

SPP TLR 5 Investigation Report
Flowgate 15369
(Plant X – Sundown 230kV for loss of Tolk – Yoakum 230kV)
(TEMPORARY11)
TLR Level 5: November 25, 2008
Report Issued: December 5, 2008

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 15369 on November 25, 2008. Flowgate 15369 is an SPP flowgate. The Level 5 TLR was in effect from 5:00 until 12:00 CST and then from 14:15 on November 25, 2008 until 00:30 CST on November 26, 2008. Projected post-contingent flows on the Plant X – Sundown 230kV line exceeded the SOL. This flowgate was created in response to the request from the balancing authority due to thermal loading. The rating is based on the limit within the substation and was lowered from 452 to 351 MVA.

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 351 MVA. Flow on the Limiting Element was 280 MVA. Flow on the Contingent Element was 210 MVA. The LODF was approximately 40%. Post-contingent flow on the Limiting Element was approximately 364 MVA.

At the time the Level 5B TLR was issued, the Limiting Element was rated at 351 MVA. Flow on the Limiting Element was 281 MVA. Flow on the Contingent Element was 216 MVA. The LODF was approximately 40%. Post-contingent flow on the Limiting Element was approximately 368 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 3-7.

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 8. 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 9.

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 coupled with a facility derating. The facility has been in TLR frequently since the derate in mid-October. Loading sometimes requires escalating to a Level 5 TLR in order to obtain sufficient relief to reduce overloads. No plans currently exist for uprating the facility.

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 Market Flow was reduced on the flowgate as reported in the TLR Event History and NERC TLR Log on pages 3-7.

TLR Event History

15369 - Temporary 11 Plant X - Sundown 230 kV ftlo Tolk - Yoakum 230 kV

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	11/24/2008 22:45	11/24/2008 22:30	11/24/2008 22:29:36	35.0	32.8	2.2	1	15
SUPERSEDED	3A	11/25/2008 00:00	11/24/2008 23:26	11/24/2008 23:25:52	8.0	2.1	5.9	2	40
SUPERSEDED	3A	11/25/2008 01:00	11/25/2008 00:28	11/25/2008 00:27:53	41.0	35.1	5.9	2	40
SUPERSEDED	3A	11/25/2008 02:00	11/25/2008 01:26	11/25/2008 01:26:09	7.0	4.8	2.2	1	15
SUPERSEDED	3A	11/25/2008 03:00	11/25/2008 02:27	11/25/2008 02:26:49	6.0	3.8	2.2	1	15
SUPERSEDED	3A	11/25/2008 04:00	11/25/2008 03:26	11/25/2008 03:26:20	13.0	10.8	2.2	1	15
SUPERSEDED	3A	11/25/2008 05:00	11/25/2008 04:26	11/25/2008 04:26:30	10.0	7.8	2.2	1	15
SUPERSEDED	5A	11/25/2008 05:00	11/25/2008 04:36	11/25/2008 04:35:29	10.0	0.0	10.0	1	15
SUPERSEDED	5A	11/25/2008 06:00	11/25/2008 05:29	11/25/2008 05:29:20	29.0	0.0	29.0	4	37
SUPERSEDED	5A	11/25/2008 07:00	11/25/2008 06:41	11/25/2008 06:40:53	22.0	0.0	22.0	3	22
SUPERSEDED	5A	11/25/2008 08:00	11/25/2008 07:30	11/25/2008 07:30:10	9.0	0.0	9.0	2	17
SUPERSEDED	5A	11/25/2008 09:00	11/25/2008 08:27	11/25/2008 08:26:49	52.0	0.0	52.0	3	32
SUPERSEDED	5A	11/25/2008 10:00	11/25/2008 09:33	11/25/2008 09:29:46	14.0	0.0	14.0	3	19
SUPERSEDED	5A	11/25/2008 11:00	11/25/2008 10:31	11/25/2008 10:30:17	0.0	0.0	2.2	1	15
SUPERSEDED	3A	11/25/2008 12:00	11/25/2008 11:30	11/25/2008 11:29:49	8.0	5.8	2.2	1	15
SUPERSEDED	3A	11/25/2008 13:00	11/25/2008 12:30	11/25/2008 12:29:56	0.0	0.0	0.0	0	0
SUPERSEDED	3A	11/25/2008 14:00	11/25/2008 13:34	11/25/2008 13:33:44	14.0	11.8	2.2	1	15
SUPERSEDED	5B	11/25/2008 14:15	11/25/2008 14:06	11/25/2008 14:05:27	10.0	0.0	10.0	2	4
SUPERSEDED	5A	11/25/2008 16:00	11/25/2008 15:29	11/25/2008 15:28:42	30.0	0.0	30.0	3	24
SUPERSEDED	5A	11/25/2008 17:00	11/25/2008 16:26	11/25/2008 16:25:56	11.0	0.0	11.0	3	18
SUPERSEDED	5A	11/25/2008 18:00	11/25/2008 17:26	11/25/2008 17:25:50	0.0	0.0	2.2	1	15
SUPERSEDED	5A	11/25/2008 19:00	11/25/2008 18:26	11/25/2008 18:25:53	7.0	0.0	7.0	3	17
SUPERSEDED	5A	11/25/2008 20:00	11/25/2008 19:28	11/25/2008 19:27:39	15.0	0.0	15.0	3	19
SUPERSEDED	5A	11/25/2008 21:00	11/25/2008 20:25	11/25/2008 20:25:29	18.0	0.0	18.0	4	28
SUPERSEDED	5A	11/25/2008 22:00	11/25/2008 21:26	11/25/2008 21:26:25	19.0	0.0	19.0	3	20
SUPERSEDED	5A	11/25/2008 23:00	11/25/2008 22:26	11/25/2008 22:26:09	10.0	0.0	10.0	2	17
SUPERSEDED	5A	11/26/2008 00:00	11/25/2008 23:27	11/25/2008 23:27:14	14.0	0.0	14.0	2	18
TERMINATED	0	11/26/2008 00:30	11/26/2008 00:09	11/26/2008 00:09:01	0.0	0.0	0.0	0	0

12/05/2008 14:12:20 (CST)

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Event Summary

FILE SAVED AS: SWPP_15369_20081124_2245.htm

Incident:	SWPP_15369_20081124_2245	Date: 11/24/2008	Reliability Coordinator: SWPP
Initial Conditions:	increasing flow		
Flowgate:	15369 - Temporary 11 Plant X - Sundown...	Rating: 351	LODF: 40.42%
TLR Direction:	Normal		
Effective StartTime:	11/24/2008 22:45	Effective EndTime: 11/26/2008 00:30	TLR Duration: 25 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.	
Nov 24 22:30	TLR 3B	CURRENT	6-NN	1 / 0	15	2.2	15	2.2	0	0.0	NONE	ED-2	SWPP	0.0	0.0	307	400	232	N/A	
		Total	1 / 0	30	2.2	15	2.2	0	0.0	FIRM-7			0.0	0.0	0.0					0.0
		NEXT	6-NN	1 / 0	15	2.2	15	2.2	0	0.0	NONE	ED-2	SWPP	0.0	0.0					
		Total	1 / 0	30	2.2	15	2.2	0	0.0	FIRM-7			0.0	0.0	0.0					0.0
Nov 24 23:26	TLR 3A	NEXT	6-NN	2 / 0	40	5.9	40	5.9	0	0.0	NONE	ED-2	SWPP	0.0	0.0	271	351	199	N/A	
			Total	2 / 0	40	5.9	40	5.9	0	0.0		FIRM-7	SWPP	0.0	0.0					
			Total	2 / 0	40	5.9	40	5.9	0	0.0		0.0	0.0							
Nov 25 00:28	TLR 3A	NEXT	6-NN	2 / 0	40	5.9	40	5.9	0	0.0	NONE	ED-2	SWPP	0.0	0.0	292	382	225	N/A	
			Total	2 / 0	40	5.9	40	5.9	0	0.0		FIRM-7	SWPP	0.0	0.0					
			Total	2 / 0	40	5.9	40	5.9	0	0.0		0.0	0.0							
Nov 25 01:26	TLR 3A	NEXT	6-NN	1 / 0	15	2.2	15	2.2	0	0.0	NONE	ED-2	SWPP	0.0	0.0	278	365	216	N/A	
			Total	1 / 0	15	2.2	15	2.2	0	0.0		FIRM-7	SWPP	0.0	0.0					
			Total	1 / 0	15	2.2	15	2.2	0	0.0		0.0	0.0							
Nov 25 02:27	TLR 3A	NEXT	6-NN	1 / 0	15	2.2	15	2.2	0	0.0	NONE	ED-2	SWPP	0.0	0.0	285	376	227	N/A	
			Total	1 / 0	15	2.2	15	2.2	0	0.0		FIRM-7	SWPP	0.0	0.0					
			Total	1 / 0	15	2.2	15	2.2	0	0.0		0.0	0.0							
Nov 25 03:26	TLR 3A	NEXT	6-NN	1 / 0	15	2.2	15	2.2	0	0.0	NONE	ED-2	SWPP	0.0	0.0	280	369	221	N/A	
			Total	1 / 0	15	2.2	15	2.2	0	0.0		FIRM-7	SWPP	0.0	0.0					
			Total	1 / 0	15	2.2	15	2.2	0	0.0		0.0	0.0							
Nov 25 04:26	TLR 3A	NEXT	6-NN	1 / 0	15	2.2	15	2.2	0	0.0	NONE	ED-2	SWPP	0.0	0.0	277	361	208	N/A	
			Total	1 / 0	15	2.2	15	2.2	0	0.0		FIRM-7	SWPP	0.0	0.0					
			Total	1 / 0	15	2.2	15	2.2	0	0.0		0.0	0.0							
Nov 25 04:36	TLR 5A	NEXT	6-NN	1 / 0	15	2.2	15	2.2	0	0.0	NONE	ED-2	SWPP	0.0	0.0	280	364	210	For feasibility, no firm tags	
			Total	1 / 0	15	2.2	15	2.2	0	0.0		FIRM-7	SWPP	0.0	0.0					
			Total	1 / 0	15	2.2	15	2.2	0	0.0		FIRM-CREDIT	SWPP	7.8	7.8					
			Total	1 / 0	15	2.2	15	2.2	0	0.0		7.8	7.8							

Nov 25 06:29	TLR 5A	NEXT	6-NN 7-F Total	1 / 0 3 / 0 4 / 0	15 22 37	2.2 1.8 4.0	15 22 37	2.2 1.8 4.0	0 0 0	0.0 0.0 0.0	NONE	ED-2 ED-6 FIRM-7 FIRM-CREDIT Total	SWPP SWPP SWPP SWPP	0.0 0.0 25.1 0.0 25.1	0.0 0.0 25.1 0.0 25.1	280	361	201	Firm tags and Firm market being curtailed.
Nov 25 06:41	TLR 5A	NEXT	6-NN 7-F Total	1 / 0 2 / 0 3 / 0	15 7 22	2.2 0.7 2.9	15 7 22	2.2 0.7 2.9	0 0 0	0.0 0.0 0.0	NONE	ED-2 ED-6 FIRM-7 FIRM-CREDIT Total	SWPP SWPP SWPP SWPP	0.0 0.0 19.2 0.0 19.2	0.0 0.0 19.2 0.0 19.2	284	370	213	N/A
Nov 25 07:30	TLR 5A	NEXT	6-NN 7-F Total	1 / 0 1 / 0 2 / 0	15 2 17	2.2 0.2 2.4	15 2 17	2.2 0.2 2.4	0 0 0	0.0 0.0 0.0	NONE	ED-2 ED-6 FIRM-7 FIRM-CREDIT Total	SWPP SWPP SWPP SWPP	0.0 0.0 6.6 0.0 6.6	0.0 0.0 6.6 0.0 6.6	278	363	212	N/A
Nov 25 08:27	TLR 5A	NEXT	6-NN 7-F Total	1 / 0 2 / 0 3 / 0	15 17 32	2.2 1.6 3.8	15 17 32	2.2 1.6 3.8	0 0 0	0.0 0.0 0.0	NONE	ED-2 ED-6 FIRM-7 FIRM-CREDIT Total	SWPP SWPP SWPP SWPP	0.0 0.0 48.2 0.0 48.2	0.0 0.0 48.2 0.0 48.2	276	360	209	N/A
Nov 25 09:33	TLR 5A	NEXT	6-NN 7-F Total	1 / 0 2 / 0 3 / 0	15 4 19	2.2 0.4 2.6	15 4 19	2.2 0.4 2.6	0 0 0	0.0 0.0 0.0	NONE	ED-2 ED-6 FIRM-7 FIRM-CREDIT Total	SWPP SWPP SWPP SWPP	0.0 0.0 11.4 0.0 11.4	0.0 0.0 11.4 0.0 11.4	271	354	206	N/A
Nov 25 10:31	TLR 5A	NEXT	6-NN Total	1 / 0 1 / 0	15 15	2.2 2.2	15 15	2.2 2.2	0 0	0.0 0.0	NONE	ED-2 ED-6 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	273	358	212	N/A
Nov 25 11:30	TLR 3A	NEXT	6-NN Total	1 / 0 1 / 0	15 15	2.2 2.2	15 15	2.2 2.2	0 0	0.0 0.0	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	277	361	209	N/A
Nov 25 12:30	TLR 3A	NEXT	NONE								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	280	365	212	N/A
Nov 25 13:34	TLR 3A	NEXT	6-NN Total	1 / 0 1 / 0	15 15	2.2 2.2	15 15	2.2 2.2	0 0	0.0 0.0	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	282	369	217	N/A
Nov 25 14:06	TLR 5B	CURRENT	7-F Total	2 / 0 2 / 0	4 4	0.4 0.4	4 4	0.4 0.4	0 0	0.0 0.0	NONE	ED-2 ED-6 FIRM-7 Total	SWPP SWPP SWPP	0.0 0.0 22.7 22.7	0.0 0.0 22.7 22.7	281	368	216	N/A
		NEXT	6-NN 7-F Total	1 / 0 2 / 0 3 / 0	15 4 4	2.2 0.4 2.6	15 4 19	2.2 0.4 2.6	0 0 0	0.0 0.0 0.0	NONE	NONE							
Nov 25 15:29	TLR 5A	NEXT	6-NN 7-F Total	1 / 0 2 / 0 3 / 0	15 9 24	2.2 0.9 3.1	15 9 24	2.2 0.9 3.1	0 0 0	0.0 0.0 0.0	NONE	ED-2 ED-6 FIRM-7 FIRM-CREDIT Total	SWPP SWPP SWPP SWPP	0.0 0.0 26.9 0.0 26.9	0.0 0.0 26.9 0.0 26.9	278	365	217	N/A

Nov 25 16:26	TLR 5A	NEXT	6-NN 7-F Total	1 / 0 2 / 0 3 / 0	15 3 18	2.2 0.3 2.5	15 3 18	2.2 0.3 2.5	0 0 0	0.0 0.0 0.0	NONE	ED-2 ED-6 FIRM-7 FIRM-CREDIT Total	SWPP SWPP SWPP SWPP	0.0 0.0 8.5 0.0 8.5	0.0 0.0 8.5 0.0 8.5	274	360	215	N/A
Nov 25 17:26	TLR 5A	NEXT	6-NN Total	1 / 0 1 / 0	15 15	2.2 2.2	15 15	2.2 2.2	0 0	0.0 0.0	NONE	ED-2 ED-6 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	267	351	210	N/A
Nov 25 18:26	TLR 5A	NEXT	6-NN 7-F Total	1 / 0 2 / 0 3 / 0	15 2 17	2.2 0.2 2.4	15 2 17	2.2 0.2 2.4	0 0 0	0.0 0.0 0.0	NONE	ED-2 ED-6 FIRM-7 FIRM-CREDIT Total	SWPP SWPP SWPP SWPP	0.0 0.0 4.6 0.0 4.6	0.0 0.0 4.6 0.0 4.6	268	353	211	N/A
Nov 25 19:28	TLR 5A	NEXT	6-NN 7-F Total	1 / 0 2 / 0 3 / 0	15 4 19	2.2 0.4 2.6	15 4 19	2.2 0.4 2.6	0 0 0	0.0 0.0 0.0	NONE	ED-2 ED-6 FIRM-7 FIRM-CREDIT Total	SWPP SWPP SWPP SWPP	0.0 0.0 12.4 0.0 12.4	0.0 0.0 12.4 0.0 12.4	273	359	215	N/A
Nov 25 20:25	TLR 5A	NEXT	6-NN 7-F Total	1 / 0 3 / 0 4 / 0	15 13 28	2.2 1.1 3.3	15 13 28	2.2 1.1 3.3	0 0 0	0.0 0.0 0.0	NONE	ED-2 ED-6 FIRM-7 FIRM-CREDIT Total	SWPP SWPP SWPP SWPP	0.0 0.0 14.8 0.0 14.8	0.0 0.0 14.8 0.0 14.8	270	355	211	N/A
Nov 25 21:26	TLR 5A	NEXT	6-NN 7-F Total	1 / 0 2 / 0 3 / 0	15 5 20	2.2 0.5 2.7	15 5 20	2.2 0.5 2.7	0 0 0	0.0 0.0 0.0	NONE	ED-2 ED-6 FIRM-7 FIRM-CREDIT Total	SWPP SWPP SWPP SWPP	0.0 0.0 16.2 0.0 16.2	0.0 0.0 16.2 0.0 16.2	276	362	213	N/A
Nov 25 22:26	TLR 5A	NEXT	6-NN 7-F Total	1 / 0 1 / 0 2 / 0	15 2 17	2.2 0.2 2.4	15 2 17	2.2 0.2 2.4	0 0 0	0.0 0.0 0.0	NONE	ED-2 ED-6 FIRM-7 FIRM-CREDIT Total	SWPP SWPP SWPP SWPP	0.0 0.0 7.6 0.0 7.6	0.0 0.0 7.6 0.0 7.6	276	360	209	N/A
Nov 25 23:27	TLR 5A	NEXT	6-NN 7-F Total	1 / 0 1 / 0 2 / 0	15 3 18	2.2 0.3 2.5	15 3 18	2.2 0.3 2.5	0 0 0	0.0 0.0 0.0	NONE	ED-2 ED-6 FIRM-7 FIRM-CREDIT Total	SWPP SWPP SWPP SWPP	0.0 0.0 11.5 0.0 11.5	0.0 0.0 11.5 0.0 11.5	275	357	205	N/A
Nov 26 00:09	TLR 0	CURRENT									NONE					257	330	182	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	29	455	455	0
7	29	101	101	0
Total	58	556	556	0

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	243.4	243.5
Total for SWPP		243.4	243.5
Total		243.4	243.5

12/05/2008 14:16:24 (CST)

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	A	B	C	D
1	Reliability Log for November, 25			200
2	Time	Initials	Comments	
7	0027	RST	Re-issued TLR Level 3A on Temp 11- Plant X-Sundown 230kv flo Tolk-Yoakum 230 kv Flgt. 15369.	
10	0126	RST	Re-issued TLR Level 3A on Temp 11- Plant X-Sundown 230kv flo Tolk-Yoakum 230 kv Flgt. 15369.	
13	0228	RST	Re-issued TLR Level 3A on Temp 11- Plant X-Sundown 230kv flo Tolk-Yoakum 230 kv Flgt. 15369.	
17	0326	RST	Re-issued TLR Level 3A on Temp 11- Plant X-Sundown 230kv flo Tolk-Yoakum 230 kv Flgt. 15369.	
20	0426	RST	Re-issued TLR Level 3A on Temp 11- Plant X-Sundown 230kv flo Tolk-Yoakum 230 kv Flgt. 15369.	
22	0435	RST	Re-issued TLR Level 5A on Temp 11- Plant X-Sundown 230kv flo Tolk-Yoakum 230 kv Flgt. 15369. No firm tags	
25	0529	RST	Re-issued TLR Level 5A on Temp 11- Plant X-Sundown 230kv flo Tolk-Yoakum 230 kv Flgt. 15369. Firm tags starting up across the hour. 22 MWs of firm tags and 25 MWs of firm market schedules being cut.	
28	0640	AH	Re-issued TLR Level 5A on Temp 11- Plant X-Sundown 230kv flo Tolk-Yoakum 230 kv Flgt. 15369.	
30	0730	AH	Re-issued TLR Level 5A on Temp 11- Plant X-Sundown 230kv flo Tolk-Yoakum 230 kv Flgt. 15369.	
31	0826	AH	Re-issued TLR Level 5A on Temp 11- Plant X-Sundown 230kv flo Tolk-Yoakum 230 kv Flgt. 15369.	
32	0929	AH	Re-issued TLR Level 5A on Temp 11- Plant X-Sundown 230kv flo Tolk-Yoakum 230 kv Flgt. 15369.	
35	1030	AH	Re-issued TLR Level 5A on Temp 11- Plant X-Sundown 230kv flo Tolk-Yoakum 230 kv Flgt. 15369.	
37	1129	AH	Issued TLR Level 3A on Temp 11- Plant X-Sundown 230kv flo Tolk-Yoakum 230 kv Flgt. 15369.	
39	1229	AH	Issued TLR Level 3A on Temp 11- Plant X-Sundown 230kv flo Tolk-Yoakum 230 kv Flgt. 15369.	
43	1333	AH	Issued TLR Level 3A on Temp 11- Plant X-Sundown 230kv flo Tolk-Yoakum 230 kv Flgt. 15369.	
44	1405	AH	Issued TLR Level 5B on Temp 11- Plant X-Sundown 230kv flo Tolk-Yoakum 230 kv Flgt. 15369.	
48	1528	AH	Issued TLR Level 5A on Temp 11- Plant X-Sundown 230kv flo Tolk-Yoakum 230 kv Flgt. 15369.	
53	1625	AH	Issued TLR Level 5A on Temp 11- Plant X-Sundown 230kv flo Tolk-Yoakum 230 kv Flgt. 15369.	
56	1725	AH	Issued TLR Level 5A on Temp 11- Plant X-Sundown 230kv flo Tolk-Yoakum 230 kv Flgt. 15369.	
61	1825	RST	Re-issued TLR Level 5A on Temp 11- Plant X-Sundown 230kv flo Tolk-Yoakum 230 kv Flgt. 15369.	
64	1927	RST	Re-issued TLR Level 5A on Temp 11- Plant X-Sundown 230kv flo Tolk-Yoakum 230 kv Flgt. 15369.	
67	2025	RST	Re-issued TLR Level 5A on Temp 11- Plant X-Sundown 230kv flo Tolk-Yoakum 230 kv Flgt. 15369.	
70	2126	RST	Re-issued TLR Level 5A on Temp 11- Plant X-Sundown 230kv flo Tolk-Yoakum 230 kv Flgt. 15369.	
73	2226	RST	Re-issued TLR Level 5A on Temp 11- Plant X-Sundown 230kv flo Tolk-Yoakum 230 kv Flgt. 15369.	
77	2327	RST	Re-issued TLR Level 5A on Temp 11- Plant X-Sundown 230kv flo Tolk-Yoakum 230 kv Flgt. 15369.	
80				
81	, 26			0
82	Time	Initials	Comments	
84	0009	RST	Re-issued TLR Level 0 on Temp 11- Plant X-Sundown 230kv flo Tolk-Yoakum 230 kv Flgt. 15369.	
88	0529	RST	Issued TLR Level 3A on Temp 11- Plant X-Sundown 230kv flo Tolk-Yoakum 230 kv Flgt. 15369.	
90	0630	AH	Issued TLR Level 3A on Temp 11- Plant X-Sundown 230kv flo Tolk-Yoakum 230 kv Flgt. 15369.	
91	0726	AH	Issued TLR Level 3A on Temp 11- Plant X-Sundown 230kv flo Tolk-Yoakum 230 kv Flgt. 15369.	
92	0828	AH	Issued TLR Level 0 on Temp 11- Plant X-Sundown 230kv flo Tolk-Yoakum 230 kv Flgt. 15369.	
105				

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