

**SPP TLR 5 Investigation Report**  
**Flowgate 15369**  
**(Plant X – Sundown 230kV for loss of Tolk – Yoakum 230kV)**  
**(TEMPORARY11)**  
**TLR Level 5: December 13-14, 2008**  
**Report Issued: January 12, 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 December 13-14, 2008. Flowgate 15369 is an SPP flowgate. The Level 5 TLR was in effect from 3:00 until 9:00 CST on December 13 and then from 22:00 on December 13 until 7:00 CST on December 14, 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 first Level 5A TLR was issued, the Limiting Element was rated at 361 MVA. Flow on the Limiting Element was 299 MVA. Flow on the Contingent Element was 209 MVA. The LODF was approximately 40%. Post-contingent flow on the Limiting Element was approximately 383 MVA.

At the time the second Level 5A TLR was issued, the Limiting Element was rated at 361 MVA. Flow on the Limiting Element was 290 MVA. Flow on the Contingent Element was 196 MVA. The LODF was approximately 40%. Post-contingent flow on the Limiting Element was approximately 369 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 upgrading 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 and non-firm Market Flow were 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
<a href="#">SUPERSEDED</a>	3B	12/13/2008 00:20	12/13/2008 00:08	12/13/2008 00:08:11	0.0	0.0	0.0	0	0
<a href="#">SUPERSEDED</a>	3A	12/13/2008 02:00	12/13/2008 01:30	12/13/2008 01:30:13	0.0	0.0	0.0	0	0
<a href="#">SUPERSEDED</a>	5A	12/13/2008 03:00	12/13/2008 02:29	12/13/2008 02:28:28	11.0	0.0	11.0	1	15
<a href="#">SUPERSEDED</a>	5A	12/13/2008 04:00	12/13/2008 03:26	12/13/2008 03:26:22	0.0	0.0	2.2	1	15
<a href="#">SUPERSEDED</a>	5A	12/13/2008 05:00	12/13/2008 04:26	12/13/2008 04:26:22	0.0	0.0	2.2	1	15
<a href="#">SUPERSEDED</a>	5A	12/13/2008 06:00	12/13/2008 05:26	12/13/2008 05:26:28	14.0	0.0	14.0	2	20
<a href="#">SUPERSEDED</a>	5A	12/13/2008 07:00	12/13/2008 06:29	12/13/2008 06:28:55	38.0	0.0	38.0	1	15
<a href="#">SUPERSEDED</a>	5A	12/13/2008 08:00	12/13/2008 07:29	12/13/2008 07:28:20	29.0	0.0	29.0	1	15
<a href="#">SUPERSEDED</a>	3A	12/13/2008 09:00	12/13/2008 08:32	12/13/2008 08:32:01	52.0	49.8	2.2	1	15
<a href="#">SUPERSEDED</a>	3A	12/13/2008 10:00	12/13/2008 09:28	12/13/2008 09:28:21	10.0	7.8	2.2	1	15
<a href="#">SUPERSEDED</a>	3A	12/13/2008 10:00	12/13/2008 09:30	12/13/2008 09:29:53	40.0	37.8	2.2	1	15
<a href="#">SUPERSEDED</a>	3A	12/13/2008 11:00	12/13/2008 10:28	12/13/2008 10:27:57	44.0	41.8	2.2	1	15
<a href="#">SUPERSEDED</a>	3A	12/13/2008 12:00	12/13/2008 11:32	12/13/2008 11:32:36	40.0	37.8	2.2	1	15
<a href="#">SUPERSEDED</a>	3A	12/13/2008 13:00	12/13/2008 12:30	12/13/2008 12:30:07	30.0	27.8	2.2	1	15
<a href="#">SUPERSEDED</a>	3A	12/13/2008 14:00	12/13/2008 13:34	12/13/2008 13:33:43	35.0	32.8	2.2	1	15
<a href="#">SUPERSEDED</a>	3A	12/13/2008 15:00	12/13/2008 14:30	12/13/2008 14:29:54	28.0	25.8	2.2	1	15
<a href="#">SUPERSEDED</a>	3A	12/13/2008 16:00	12/13/2008 15:29	12/13/2008 15:29:11	31.0	28.8	2.2	1	15
<a href="#">SUPERSEDED</a>	3A	12/13/2008 17:00	12/13/2008 16:29	12/13/2008 16:29:20	13.0	10.8	2.2	1	15
<a href="#">SUPERSEDED</a>	3A	12/13/2008 18:00	12/13/2008 17:31	12/13/2008 17:31:10	34.0	31.8	2.2	1	15
<a href="#">SUPERSEDED</a>	3A	12/13/2008 19:00	12/13/2008 18:27	12/13/2008 18:26:41	0.0	0.0	0.0	0	0
<a href="#">SUPERSEDED</a>	3A	12/13/2008 20:00	12/13/2008 19:27	12/13/2008 19:26:43	9.0	6.8	2.2	1	15
<a href="#">SUPERSEDED</a>	3A	12/13/2008 21:00	12/13/2008 20:27	12/13/2008 20:27:22	7.0	4.8	2.2	1	15
<a href="#">SUPERSEDED</a>	5A	12/13/2008 22:00	12/13/2008 21:29	12/13/2008 21:28:50	0.0	0.0	2.2	1	15
<a href="#">SUPERSEDED</a>	5A	12/13/2008 23:00	12/13/2008 22:36	12/13/2008 22:35:40	7.0	0.0	7.0	2	16
<a href="#">SUPERSEDED</a>	5A	12/14/2008 00:00	12/13/2008 23:26	12/13/2008 23:26:19	6.0	0.0	6.0	3	17
<a href="#">SUPERSEDED</a>	5A	12/14/2008 01:00	12/14/2008 00:27	12/14/2008 00:26:45	0.0	0.0	2.2	1	15
<a href="#">SUPERSEDED</a>	5A	12/14/2008 02:00	12/14/2008 01:26	12/14/2008 01:26:33	0.0	0.0	2.2	1	15
<a href="#">SUPERSEDED</a>	5A	12/14/2008 03:00	12/14/2008 02:27	12/14/2008 02:26:40	3.0	0.0	3.0	1	15
<a href="#">SUPERSEDED</a>	5A	12/14/2008 04:00	12/14/2008 03:27	12/14/2008 03:27:09	11.0	0.0	11.0	1	15
<a href="#">SUPERSEDED</a>	5A	12/14/2008 05:00	12/14/2008 04:26	12/14/2008 04:26:37	2.0	0.0	2.2	1	15
<a href="#">SUPERSEDED</a>	5A	12/14/2008 06:00	12/14/2008 05:26	12/14/2008 05:26:14	18.0	0.0	18.0	2	21
<a href="#">SUPERSEDED</a>	3A	12/14/2008 07:00	12/14/2008 06:29	12/14/2008 06:28:54	57.0	54.8	2.2	1	15
<a href="#">SUPERSEDED</a>	3A	12/14/2008 08:00	12/14/2008 07:27	12/14/2008 07:27:26	66.0	63.8	2.2	1	15
<a href="#">SUPERSEDED</a>	3A	12/14/2008 09:00	12/14/2008 08:27	12/14/2008 08:27:34	51.0	48.8	2.2	1	15
<a href="#">SUPERSEDED</a>	3A	12/14/2008 10:00	12/14/2008 09:28	12/14/2008 09:28:28	43.0	39.8	3.2	1	15
<a href="#">SUPERSEDED</a>	3A	12/14/2008 11:00	12/14/2008 10:27	12/14/2008 10:27:11	31.0	0.8	30.2	1	15
<a href="#">TERMINATED</a>	0	12/14/2008 11:40	12/14/2008 11:28	12/14/2008 11:28:29	0.0	0.0	0.0	0	0

01/12/2009 09:36:07 (CST)

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## Event Summary

FILE SAVED AS: SWPP\_15369\_20081213\_0020.htm

Incident:	SWPP_15369_20081213_0020	Date: 12/13/2008	Reliability Coordinator: SWPP
Initial Conditions:	increasing flow		
Flowgate:	15369 - Temporary 11 Plant X - Sundown...	Rating: 361	LODF: 40.41%
TLR Direction:	Normal		
Effective StartTime:	12/13/2008 00:20	Effective EndTime: 12/14/2008 11:40	TLR Duration: 35 Hours and 20 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 13 00:08	TLR 3B	CURRENT	NONE							NONE			ED-2	SWPP	0.0	0.0	302	387	211	N/A		
		NEXT	NONE							NONE			ED-6	SWPP	0.0	0.0						
Dec 13 01:30	TLR 3A	NEXT	NONE							NONE			ED-2	SWPP	0.0	0.0	298	377	201	N/A		
			NONE							NONE			ED-6	SWPP	0.0	0.0						
Dec 13 02:29	TLR 5A	NEXT	6-NN	1 / 0	15	2.2	15	2.2	0	0.0	NONE			ED-2	SWPP	0.0	0.0	299	383	209	N/A	
			<b>Total</b>	<b>1 / 0</b>	<b>15</b>	<b>2.2</b>	<b>15</b>	<b>2.2</b>	<b>0</b>	<b>0.0</b>	ED-6	SWPP	0.0	0.0	FIRM-7	SWPP	8.8					8.8
Dec 13 03:28	TLR 5A	NEXT	6-NN	1 / 0	15	2.2	15	2.2	0	0.0	NONE			ED-2	SWPP	0.0	0.0	288	389	201	N/A	
			<b>Total</b>	<b>1 / 0</b>	<b>15</b>	<b>2.2</b>	<b>15</b>	<b>2.2</b>	<b>0</b>	<b>0.0</b>	ED-6	SWPP	0.0	0.0	FIRM-7	SWPP	0.0					0.0
Dec 13 04:28	TLR 5A	NEXT	6-NN	1 / 0	15	2.2	15	2.2	0	0.0	NONE			ED-2	SWPP	0.0	0.0	288	386	198	N/A	
			<b>Total</b>	<b>1 / 0</b>	<b>15</b>	<b>2.2</b>	<b>15</b>	<b>2.2</b>	<b>0</b>	<b>0.0</b>	ED-6	SWPP	0.0	0.0	FIRM-7	SWPP	0.0					0.0
Dec 13 05:28	TLR 5A	NEXT	6-NN	1 / 0	15	2.2	15	2.2	0	0.0	NONE			ED-2	SWPP	0.0	0.0	287	385	195	N/A	
			7-F	1 / 0	5	0.3	5	0.3	0	0.0	ED-6	SWPP	0.0	0.0	FIRM-7	SWPP	11.5					11.5
Dec 13 08:29	TLR 5A	NEXT	6-NN	1 / 0	15	2.2	15	2.2	0	0.0	NONE			ED-2	SWPP	0.0	0.0	290	389	198	N/A	
			<b>Total</b>	<b>1 / 0</b>	<b>15</b>	<b>2.2</b>	<b>15</b>	<b>2.2</b>	<b>0</b>	<b>0.0</b>	ED-6	SWPP	0.0	0.0	FIRM-7	SWPP	35.8					35.8

Dec 13 07:29	TLR 5A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	15 <b>15</b>	2.2 <b>2.2</b>	15 <b>15</b>	2.2 <b>2.2</b>	0 <b>0</b>	0.0 <b>0.0</b>	NONE	ED-2 ED-6 FIRM-7 FIRM-CREDIT <b>Total</b>	SWPP SWPP SWPP SWPP	0.0 0.0 26.8 0.0 <b>26.8</b>	0.0 0.0 26.8 0.0 <b>26.8</b>	288	364	190	N/A
Dec 13 08:32	TLR 3A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	15 <b>15</b>	2.2 <b>2.2</b>	15 <b>15</b>	2.2 <b>2.2</b>	0 <b>0</b>	0.0 <b>0.0</b>	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 0.0 0.0 <b>0.0</b>	0.0 0.0 0.0 <b>0.0</b>	290	365	188	N/A
Dec 13 09:28	TLR 3A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	15 <b>15</b>	2.2 <b>2.2</b>	0 <b>0</b>	0.0 <b>0.0</b>	0 <b>0</b>	0.0 <b>0.0</b>	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 0.0 0.0 <b>0.0</b>	0.0 0.0 0.0 <b>0.0</b>	288	362	184	N/A
Dec 13 09:30	TLR 3A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	15 <b>15</b>	2.2 <b>2.2</b>	15 <b>15</b>	2.2 <b>2.2</b>	0 <b>0</b>	0.0 <b>0.0</b>	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 0.0 0.0 <b>0.0</b>	0.0 0.0 0.0 <b>0.0</b>	288	362	184	N/A
Dec 13 10:28	TLR 3A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	15 <b>15</b>	2.2 <b>2.2</b>	15 <b>15</b>	2.2 <b>2.2</b>	0 <b>0</b>	0.0 <b>0.0</b>	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 0.0 0.0 <b>0.0</b>	0.0 0.0 0.0 <b>0.0</b>	284	356	180	N/A
Dec 13 11:32	TLR 3A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	15 <b>15</b>	2.2 <b>2.2</b>	15 <b>15</b>	2.2 <b>2.2</b>	0 <b>0</b>	0.0 <b>0.0</b>	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 0.0 0.0 <b>0.0</b>	0.0 0.0 0.0 <b>0.0</b>	286	359	182	N/A
Dec 13 12:30	TLR 3A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	15 <b>15</b>	2.2 <b>2.2</b>	15 <b>15</b>	2.2 <b>2.2</b>	0 <b>0</b>	0.0 <b>0.0</b>	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 0.0 0.0 <b>0.0</b>	0.0 0.0 0.0 <b>0.0</b>	285	363	194	N/A
Dec 13 13:34	TLR 3A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	15 <b>15</b>	2.2 <b>2.2</b>	15 <b>15</b>	2.2 <b>2.2</b>	0 <b>0</b>	0.0 <b>0.0</b>	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 0.0 0.0 <b>0.0</b>	0.0 0.0 0.0 <b>0.0</b>	287	366	197	N/A
Dec 13 14:30	TLR 3A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	15 <b>15</b>	2.2 <b>2.2</b>	15 <b>15</b>	2.2 <b>2.2</b>	0 <b>0</b>	0.0 <b>0.0</b>	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 0.0 0.0 <b>0.0</b>	0.0 0.0 0.0 <b>0.0</b>	290	369	197	N/A
Dec 13 15:29	TLR 3A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	15 <b>15</b>	2.2 <b>2.2</b>	15 <b>15</b>	2.2 <b>2.2</b>	0 <b>0</b>	0.0 <b>0.0</b>	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 0.0 0.0 <b>0.0</b>	0.0 0.0 0.0 <b>0.0</b>	286	363	192	N/A
Dec 13 16:29	TLR 3A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	15 <b>15</b>	2.2 <b>2.2</b>	15 <b>15</b>	2.2 <b>2.2</b>	0 <b>0</b>	0.0 <b>0.0</b>	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 0.0 0.0 <b>0.0</b>	0.0 0.0 0.0 <b>0.0</b>	287	364	192	N/A
Dec 13 17:31	TLR 3A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	15 <b>15</b>	2.2 <b>2.2</b>	15 <b>15</b>	2.2 <b>2.2</b>	0 <b>0</b>	0.0 <b>0.0</b>	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 0.0 0.0 <b>0.0</b>	0.0 0.0 0.0 <b>0.0</b>	286	360	184	N/A
Dec 13 18:27	TLR 3A	NEXT				NONE					NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 0.0 0.0 <b>0.0</b>	0.0 0.0 0.0 <b>0.0</b>	298	375	193	N/A

Dec 13 19:27	TLR 3A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	15 <b>15</b>	2.2 <b>2.2</b>	15 <b>15</b>	2.2 <b>2.2</b>	0 <b>0</b>	0.0 <b>0.0</b>	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 0.0 0.0 <b>0.0</b>	0.0 0.0 0.0 <b>0.0</b>	289	366	192	N/A
Dec 13 20:27	TLR 3A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	15 <b>15</b>	2.2 <b>2.2</b>	15 <b>15</b>	2.2 <b>2.2</b>	0 <b>0</b>	0.0 <b>0.0</b>	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 0.0 0.0 <b>0.0</b>	0.0 0.0 0.0 <b>0.0</b>	292	370	195	N/A
Dec 13 21:29	TLR 5A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	15 <b>15</b>	2.2 <b>2.2</b>	15 <b>15</b>	2.2 <b>2.2</b>	0 <b>0</b>	0.0 <b>0.0</b>	NONE	ED-2 ED-6 FIRM-7 FIRM-CREDIT <b>Total</b>	SWPP SWPP SWPP SWPP	0.0 0.0 0.0 0.0 <b>0.0</b>	0.0 0.0 0.0 0.0 <b>0.0</b>	290	369	196	N/A
Dec 13 22:36	TLR 5A	NEXT	6-NN 7-F <b>Total</b>	1 / 0 1 / 0 <b>2 / 0</b>	15 1 <b>16</b>	2.2 0.1 <b>2.3</b>	15 1 <b>16</b>	2.2 0.1 <b>2.3</b>	0 0 <b>0</b>	0.0 0.0 <b>0.0</b>	NONE	ED-2 ED-6 FIRM-7 FIRM-CREDIT <b>Total</b>	SWPP SWPP SWPP SWPP	0.0 0.0 4.7 0.0 <b>4.7</b>	0.0 0.0 4.7 0.0 <b>4.7</b>	289	368	197	N/A
Dec 13 23:26	TLR 5A	NEXT	6-NN 7-F <b>Total</b>	1 / 0 2 / 0 <b>3 / 0</b>	15 2 <b>17</b>	2.2 0.2 <b>2.4</b>	15 2 <b>17</b>	2.2 0.2 <b>2.4</b>	0 0 <b>0</b>	0.0 0.0 <b>0.0</b>	NONE	ED-2 ED-6 FIRM-7 FIRM-CREDIT <b>Total</b>	SWPP SWPP SWPP SWPP	0.0 0.0 3.7 0.0 <b>3.7</b>	0.0 0.0 3.7 0.0 <b>3.7</b>	296	378	203	N/A
Dec 14 00:27	TLR 5A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	15 <b>15</b>	2.2 <b>2.2</b>	15 <b>15</b>	2.2 <b>2.2</b>	0 <b>0</b>	0.0 <b>0.0</b>	NONE	ED-2 ED-6 FIRM-7 FIRM-CREDIT <b>Total</b>	SWPP SWPP SWPP SWPP	0.0 0.0 0.0 0.0 <b>0.0</b>	0.0 0.0 0.0 0.0 <b>0.0</b>	286	337	176	N/A
Dec 14 01:26	TLR 5A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	15 <b>15</b>	2.2 <b>2.2</b>	15 <b>15</b>	2.2 <b>2.2</b>	0 <b>0</b>	0.0 <b>0.0</b>	NONE	ED-2 ED-6 FIRM-7 FIRM-CREDIT <b>Total</b>	SWPP SWPP SWPP SWPP	0.0 0.0 0.0 0.0 <b>0.0</b>	0.0 0.0 0.0 0.0 <b>0.0</b>	291	373	205	N/A
Dec 14 02:27	TLR 5A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	15 <b>15</b>	2.2 <b>2.2</b>	15 <b>15</b>	2.2 <b>2.2</b>	0 <b>0</b>	0.0 <b>0.0</b>	NONE	ED-2 ED-6 FIRM-7 FIRM-CREDIT <b>Total</b>	SWPP SWPP SWPP SWPP	0.0 0.0 0.8 0.0 <b>0.8</b>	0.0 0.0 0.8 0.0 <b>0.8</b>	282	366	208	N/A
Dec 14 03:27	TLR 5A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	15 <b>15</b>	2.2 <b>2.2</b>	15 <b>15</b>	2.2 <b>2.2</b>	0 <b>0</b>	0.0 <b>0.0</b>	NONE	ED-2 ED-6 FIRM-7 FIRM-CREDIT <b>Total</b>	SWPP SWPP SWPP SWPP	0.0 0.0 8.8 0.0 <b>8.8</b>	0.0 0.0 8.8 0.0 <b>8.8</b>	275	357	205	N/A
Dec 14 04:26	TLR 5A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	15 <b>15</b>	2.2 <b>2.2</b>	15 <b>15</b>	2.2 <b>2.2</b>	0 <b>0</b>	0.0 <b>0.0</b>	NONE	ED-2 ED-6 FIRM-7 FIRM-CREDIT <b>Total</b>	SWPP SWPP SWPP SWPP	0.0 0.0 0.0 0.0 <b>0.0</b>	0.0 0.0 0.0 0.0 <b>0.0</b>	279	361	205	N/A
Dec 14 05:26	TLR 5A	NEXT	6-NN 7-F <b>Total</b>	1 / 0 1 / 0 <b>2 / 0</b>	15 6 <b>21</b>	2.2 0.4 <b>2.6</b>	15 6 <b>21</b>	2.2 0.4 <b>2.6</b>	0 0 <b>0</b>	0.0 0.0 <b>0.0</b>	NONE	ED-2 ED-6 FIRM-7 FIRM-CREDIT <b>Total</b>	SWPP SWPP SWPP SWPP	0.0 0.0 15.4 0.0 <b>15.4</b>	0.0 0.0 15.4 0.0 <b>15.4</b>	276	357	201	N/A
Dec 14 06:29	TLR 3A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	15 <b>15</b>	2.2 <b>2.2</b>	15 <b>15</b>	2.2 <b>2.2</b>	0 <b>0</b>	0.0 <b>0.0</b>	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 0.0 0.0 <b>0.0</b>	0.0 0.0 0.0 <b>0.0</b>	281	334	182	N/A

Dec 14 07:27	TLR 3A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	15 <b>15</b>	2.2 <b>2.2</b>	15 <b>15</b>	2.2 <b>2.2</b>	0 <b>0</b>	0.0 <b>0.0</b>	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 0.0 0.0 <b>0.0</b>	0.0 0.0 0.0 <b>0.0</b>	266	338	180	N/A
Dec 14 08:27	TLR 3A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	15 <b>15</b>	2.2 <b>2.2</b>	15 <b>15</b>	2.2 <b>2.2</b>	0 <b>0</b>	0.0 <b>0.0</b>	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 0.0 0.0 <b>0.0</b>	0.0 0.0 0.0 <b>0.0</b>	275	350	187	N/A
Dec 14 09:28	TLR 3A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	15 <b>15</b>	2.2 <b>2.2</b>	15 <b>15</b>	2.2 <b>2.2</b>	0 <b>0</b>	0.0 <b>0.0</b>	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 1.0 0.0 <b>1.0</b>	0.0 1.0 0.0 <b>1.0</b>	280	357	192	N/A
Dec 14 10:27	TLR 3A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	15 <b>15</b>	2.2 <b>2.2</b>	15 <b>15</b>	2.2 <b>2.2</b>	0 <b>0</b>	0.0 <b>0.0</b>	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 28.0 0.0 <b>28.0</b>	0.0 28.0 0.0 <b>28.0</b>	281	359	194	N/A
Dec 14 11:28	TLR 0	CURRENT	NONE								NONE	NONE				232	299	166	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	33	495	480	0
7	5	14	14	0
<b>Total</b>	<b>38</b>	<b>509</b>	<b>494</b>	<b>0</b>

### TLR Market Flow Totals

Market	Type	Market Relief	
		IDC MW	RC Ackn MW
SWPP	ED-2	0.0	0.0
	ED-6	29.0	29.0
	FIRM-7	116.5	116.4
<b>Total for SWPP</b>		<b>145.5</b>	<b>145.4</b>
<b>Total</b>		<b>145.5</b>	<b>145.4</b>

	A	B	C	D
1	<b>Reliability Log for December, 13</b>			<b>2008</b>
2	<b>Time</b>	<b>Initials</b>	<b>Comments</b>	
5	0008	RST	Issued TLR Level 3B on Temp 11-Plant X-Sundown 230kv flo Tolk-Yoakum 230kv Flgt. 15369.	
6	0016	RST	MISO issued TLR Level 3B on Cooper_S Flgt. 15369.	
8	0028	RST	MISO re-issued TLR Level 3A on Cooper_S Flgt. 15369.	
11	0126	RST	MISO re-issued TLR Level 3A on Cooper_S Flgt. 15369.	
12	0130	RST	Re-issued TLR Level 3A on Temp 11-Plant X-Sundown 230kv flo Tolk-Yoakum 230kv Flgt. 15369.	
15	0225	RST	MISO re-issued TLR Level 3A on Cooper_S Flgt. 15369.	
18	0228	RST	Re-issued TLR Level 5A on Temp 11-Plant X-Sundown 230kv flo Tolk-Yoakum 230kv Flgt. 15369.	
21	0326	RST	Re-issued TLR Level 5A on Temp 11-Plant X-Sundown 230kv flo Tolk-Yoakum 230kv Flgt. 15369.	
23	0328	RST	MISO re-issued TLR Level 3A on Cooper_S Flgt. 15369.	
25	0425	RST	MISO re-issued TLR Level 3A on Cooper_S Flgt. 15369.	
26	0426	RST	Re-issued TLR Level 5A on Temp 11-Plant X-Sundown 230kv flo Tolk-Yoakum 230kv Flgt. 15369.	
29	0526	RST	Re-issued TLR Level 5A on Temp 11-Plant X-Sundown 230kv flo Tolk-Yoakum 230kv Flgt. 15369.	
30	0527	RST	MISO re-issued TLR Level 3A on Cooper_S Flgt. 15369.	
35	0628	LWB	Re-issued TLR Level 5A on Temp 11-Plant X-Sundown 230kv flo Tolk-Yoakum 230kv Flgt. 15369.	
37	0637	LWB	MISO re-issued TLR Level 1 on Cooper_S Flgt. 15369.	
39	0728	LWB	Re-issued TLR Level 5A on Temp 11-Plant X-Sundown 230kv flo Tolk-Yoakum 230kv Flgt. 15369.	
43	0832	LWB	Issued TLR Level 3A on Temp 11-Plant X-Sundown 230kv flo Tolk-Yoakum 230kv Flgt. 15369.	
46	0929	LWB	Re-issued TLR Level 3A on Temp 11-Plant X-Sundown 230kv flo Tolk-Yoakum 230kv Flgt. 15369.	
48	1027	LWB	Re-issued TLR Level 3A on Temp 11-Plant X-Sundown 230kv flo Tolk-Yoakum 230kv Flgt. 15369.	
52	1132	LWB	Re-issued TLR Level 3A on Temp 11-Plant X-Sundown 230kv flo Tolk-Yoakum 230kv Flgt. 15369.	
55	1230	LWB	Re-issued TLR Level 3A on Temp 11-Plant X-Sundown 230kv flo Tolk-Yoakum 230kv Flgt. 15369.	
57	1333	LWB	Re-issued TLR Level 3A on Temp 11-Plant X-Sundown 230kv flo Tolk-Yoakum 230kv Flgt. 15369.	
59	1429	LWB	Re-issued TLR Level 3A on Temp 11-Plant X-Sundown 230kv flo Tolk-Yoakum 230kv Flgt. 15369.	
61	1529	LWB	Re-issued TLR Level 3A on Temp 11-Plant X-Sundown 230kv flo Tolk-Yoakum 230kv Flgt. 15369.	
63	1629	LWB	Re-issued TLR Level 3A on Temp 11-Plant X-Sundown 230kv flo Tolk-Yoakum 230kv Flgt. 15369.	
66	1731	RST	Re-issued TLR Level 3A on Temp 11-Plant X-Sundown 230kv flo Tolk-Yoakum 230kv Flgt. 15369.	
68	1826	RST	Re-issued TLR Level 3A on Temp 11-Plant X-Sundown 230kv flo Tolk-Yoakum 230kv Flgt. 15369.	
70	1926	RST	Re-issued TLR Level 3A on Temp 11-Plant X-Sundown 230kv flo Tolk-Yoakum 230kv Flgt. 15369.	
74	2027	RST	Re-issued TLR Level 3A on Temp 11-Plant X-Sundown 230kv flo Tolk-Yoakum 230kv Flgt. 15369.	
76	2128	RST	Re-issued TLR Level 5A on Temp 11-Plant X-Sundown 230kv flo Tolk-Yoakum 230kv Flgt. 15369.	
79	2235	RST	Re-issued TLR Level 5A on Temp 11-Plant X-Sundown 230kv flo Tolk-Yoakum 230kv Flgt. 15369.	
82	2326	RST	Re-issued TLR Level 5A on Temp 11-Plant X-Sundown 230kv flo Tolk-Yoakum 230kv Flgt. 15369.	
86	<b>14-Dec</b>			<b>0</b>
87	<b>Time</b>	<b>Initials</b>	<b>Comments</b>	
90	0026	RST	Re-issued TLR Level 5A on Temp 11-Plant X-Sundown 230kv flo Tolk-Yoakum 230kv Flgt. 15369.	
93	0126	RST	Re-issued TLR Level 5A on Temp 11-Plant X-Sundown 230kv flo Tolk-Yoakum 230kv Flgt. 15369.	
96	0226	RST	Re-issued TLR Level 5A on Temp 11-Plant X-Sundown 230kv flo Tolk-Yoakum 230kv Flgt. 15369.	
99	0327	RST	Re-issued TLR Level 5A on Temp 11-Plant X-Sundown 230kv flo Tolk-Yoakum 230kv Flgt. 15369.	
102	0426	RST	Re-issued TLR Level 5A on Temp 11-Plant X-Sundown 230kv flo Tolk-Yoakum 230kv Flgt. 15369.	
105	0526	RST	Re-issued TLR Level 5A on Temp 11-Plant X-Sundown 230kv flo Tolk-Yoakum 230kv Flgt. 15369.	
109	0628	LWB	Issued TLR Level 3A on Temp 11-Plant X-Sundown 230kv flo Tolk-Yoakum 230kv Flgt. 15369.	
112	0727	LWB	Re-issued TLR Level 3A on Temp 11-Plant X-Sundown 230kv flo Tolk-Yoakum 230kv Flgt. 15369.	
115	0827	LWB	Re-issued TLR Level 3A on Temp 11-Plant X-Sundown 230kv flo Tolk-Yoakum 230kv Flgt. 15369.	
118	0928	LWB	Re-issued TLR Level 3A on Temp 11-Plant X-Sundown 230kv flo Tolk-Yoakum 230kv Flgt. 15369.	
122	1027	LWB	Re-issued TLR Level 3A on Temp 11-Plant X-Sundown 230kv flo Tolk-Yoakum 230kv Flgt. 15369.	
125	1128	LWB	Issued TLR Level 0 on Temp 11-Plant X-Sundown 230kv flo Tolk-Yoakum 230kv Flgt. 15369.	
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