

**SPP TLR 5 Investigation Report  
Flowgate 15815  
(Temp 6 Woodring 345/138 kV Transformer for the loss of Woodring – Cimarron 345 kV line)  
(Temp 6)  
TLR Level 5: May 30, 2009  
Report Issued: June 2, 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 15815 on May 30, 2009. Flowgate 15815 is an SPP flowgate. The Level 5 TLR was in effect from 12:00 until 21:00 CST on May 30, 2009. Projected post-contingent flows on Woodring 345/138 kV transformer exceeded the SOL. The flowgate was created due to the temporary outage of the Spring Creek – Northwestern 345 kV line.

**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 356 MVA. Flow on the Limiting Element was 156 MVA. Flow on the Contingent Element was 483 MVA. The LODF was approximately 33%. Post-contingent flow on the Limiting Element was approximately 314 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 pages 9. Times in the RC Log are CDT.

**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 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 10.

**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 during the temporary outage of the Spring Creek – Northwestern 345 kV line. Due to this situation, no further actions were 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

### 15815 - Temporary 06 Woodring 345/138 kV XFR ftlo Woodring - Cimarron 345 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	05/30/2009 07:45	05/30/2009 07:35	05/30/2009 07:34:38	20.0	13.1	6.9	2	120
<a href="#">SUPERSEDED</a>	3A	05/30/2009 09:00	05/30/2009 08:26	05/30/2009 08:26:00	16.0	9.1	6.9	2	120
<a href="#">SUPERSEDED</a>	3A	05/30/2009 10:00	05/30/2009 09:27	05/30/2009 09:26:58	8.0	1.1	6.9	2	120
<a href="#">SUPERSEDED</a>	3A	05/30/2009 11:00	05/30/2009 10:27	05/30/2009 10:27:05	33.0	26.1	6.9	2	120
<a href="#">SUPERSEDED</a>	5A	05/30/2009 12:00	05/30/2009 11:29	05/30/2009 11:28:56	18.0	0.0	18.2	7	135
<a href="#">SUPERSEDED</a>	5A	05/30/2009 13:00	05/30/2009 12:28	05/30/2009 12:27:29	52.0	0.0	52.2	10	268
<a href="#">SUPERSEDED</a>	5A	05/30/2009 14:00	05/30/2009 13:29	05/30/2009 13:29:13	38.0	0.0	38.1	9	254
<a href="#">SUPERSEDED</a>	5A	05/30/2009 15:00	05/30/2009 14:29	05/30/2009 14:28:50	51.0	0.0	51.3	9	278
<a href="#">SUPERSEDED</a>	5A	05/30/2009 16:00	05/30/2009 15:29	05/30/2009 15:28:59	20.0	0.0	20.2	8	226
<a href="#">SUPERSEDED</a>	5A	05/30/2009 17:00	05/30/2009 16:28	05/30/2009 16:27:49	0.0	0.0	8.6	4	146
<a href="#">SUPERSEDED</a>	5A	05/30/2009 18:00	05/30/2009 17:27	05/30/2009 17:27:16	0.0	0.0	7.3	3	121
<a href="#">SUPERSEDED</a>	5A	05/30/2009 19:00	05/30/2009 18:28	05/30/2009 18:28:00	0.0	0.0	9.1	5	156
<a href="#">SUPERSEDED</a>	5A	05/30/2009 20:00	05/30/2009 19:27	05/30/2009 19:27:09	0.0	0.0	7.1	3	121
<a href="#">SUPERSEDED</a>	3A	05/30/2009 21:00	05/30/2009 20:30	05/30/2009 20:29:53	11.0	8.3	2.7	1	25
<a href="#">SUPERSEDED</a>	3A	05/30/2009 22:00	05/30/2009 21:31	05/30/2009 21:31:02	5.0	2.3	2.7	1	25
<a href="#">SUPERSEDED</a>	3A	05/30/2009 23:00	05/30/2009 22:28	05/30/2009 22:28:24	29.0	26.3	2.7	1	25
<a href="#">SUPERSEDED</a>	3A	05/31/2009 00:00	05/30/2009 23:29	05/30/2009 23:29:01	24.0	21.3	2.7	1	25
<a href="#">SUPERSEDED</a>	3A	05/31/2009 01:00	05/31/2009 00:27	05/31/2009 00:26:41	26.0	23.3	2.7	1	25
<a href="#">SUPERSEDED</a>	3A	05/31/2009 02:00	05/31/2009 01:27	05/31/2009 01:26:44	0.0	0.0	0.0	0	0
<a href="#">SUPERSEDED</a>	3A	05/31/2009 03:00	05/31/2009 02:27	05/31/2009 02:26:48	0.0	0.0	0.0	0	0
<a href="#">SUPERSEDED</a>	3A	05/31/2009 04:00	05/31/2009 03:27	05/31/2009 03:27:26	0.0	0.0	0.0	0	0
<a href="#">SUPERSEDED</a>	3A	05/31/2009 05:00	05/31/2009 04:26	05/31/2009 04:26:35	0.0	0.0	0.0	0	0
<a href="#">SUPERSEDED</a>	3A	05/31/2009 06:00	05/31/2009 05:27	05/31/2009 05:26:59	0.0	0.0	0.0	0	0
<a href="#">SUPERSEDED</a>	3A	05/31/2009 07:00	05/31/2009 06:27	05/31/2009 06:26:56	70.0	55.1	14.9	1	20
<a href="#">SUPERSEDED</a>	3A	05/31/2009 08:00	05/31/2009 07:27	05/31/2009 07:26:48	19.0	17.1	1.9	1	20
<a href="#">SUPERSEDED</a>	3A	05/31/2009 09:00	05/31/2009 08:27	05/31/2009 08:27:22	36.0	34.1	1.9	1	20
<a href="#">SUPERSEDED</a>	3A	05/31/2009 10:00	05/31/2009 09:26	05/31/2009 09:25:56	19.0	17.1	1.9	1	20
<a href="#">SUPERSEDED</a>	3A	05/31/2009 11:00	05/31/2009 10:26	05/31/2009 10:25:53	18.0	16.1	1.9	1	20
<a href="#">SUPERSEDED</a>	3A	05/31/2009 12:00	05/31/2009 11:26	05/31/2009 11:26:15	22.0	20.1	1.9	1	20
<a href="#">SUPERSEDED</a>	3A	05/31/2009 13:00	05/31/2009 12:27	05/31/2009 12:26:48	58.0	56.1	1.9	1	20
<a href="#">SUPERSEDED</a>	3A	05/31/2009 14:00	05/31/2009 13:27	05/31/2009 13:27:03	49.0	47.1	1.9	1	20
<a href="#">SUPERSEDED</a>	3A	05/31/2009 15:00	05/31/2009 14:28	05/31/2009 14:28:05	20.0	18.1	1.9	1	20
<a href="#">SUPERSEDED</a>	3A	05/31/2009 16:00	05/31/2009 15:30	05/31/2009 15:30:07	33.0	28.1	4.9	1	20
<a href="#">SUPERSEDED</a>	3A	05/31/2009 17:00	05/31/2009 16:26	05/31/2009 16:25:50	80.0	78.1	1.9	1	20
<a href="#">SUPERSEDED</a>	3A	05/31/2009 18:00	05/31/2009 17:31	05/31/2009 17:30:58	15.0	13.1	1.9	1	20
<a href="#">SUPERSEDED</a>	3A	05/31/2009 19:00	05/31/2009 18:28	05/31/2009 18:28:07	0.0	0.0	0.0	0	0
<a href="#">SUPERSEDED</a>	3A	05/31/2009 20:00	05/31/2009 19:29	05/31/2009 19:29:14	14.0	12.1	1.9	1	20
<a href="#">SUPERSEDED</a>	3A	05/31/2009 21:00	05/31/2009 20:30	05/31/2009 20:30:31	0.0	0.0	0.0	0	0
<a href="#">SUPERSEDED</a>	3A	05/31/2009 22:00	05/31/2009 21:27	05/31/2009 21:27:08	0.0	0.0	0.0	0	0
<a href="#">SUPERSEDED</a>	3A	05/31/2009 23:00	05/31/2009 22:27	05/31/2009 22:27:26	0.0	0.0	0.0	0	0
<a href="#">TERMINATED</a>	0	05/31/2009 23:45	05/31/2009 23:33	05/31/2009 23:33:01	0.0	0.0	0.0	0	0

06/09/2009 12:22:08 (CST)

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## Event Summary

FILE SAVED AS: SWPP\_15815\_20090530\_0745.htm

Incident: SWPP_15815_20090530_0745	Date: 05/30/2009	Reliability Coordinator: SWPP
Initial Conditions: load increasing		
Flowgate: 15815 - Temporary 06 Woodring 345/138...	Rating: 356	LODF: 32.75%
TLR Direction: Normal		
Effective StartTime: 05/30/2009 07:45	Effective EndTime: 05/31/2009 23:45	TLR Duration: 40 Hours and 0 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											
May 30 07:35	TLR 3B	CURRENT	6-NN	2 / 0	120	6.9	120	6.9	0	0.0	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>	143	308	505	N/A		
		<b>Total</b>	<b>2 / 0</b>	<b>240</b>	<b>6.9</b>	<b>120</b>	<b>6.9</b>	<b>0</b>	<b>0.0</b>												
		NEXT	6-NN	2 / 0	120	6.9	120	6.9	0	0.0	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 0.0 1.0 <b>1.0</b>	0.0 0.0 1.0 <b>1.0</b>						
		<b>Total</b>	<b>2 / 0</b>	<b>240</b>	<b>6.9</b>	<b>120</b>	<b>6.9</b>	<b>0</b>	<b>0.0</b>												
May 30 08:26	TLR 3A	NEXT	6-NN	2 / 0	120	6.9	120	6.9	0	0.0	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>	148	315	512	N/A		
May 30 09:27	TLR 3A	NEXT	6-NN	2 / 0	120	6.9	120	6.9	0	0.0	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>	150	316	508	N/A		
May 30 10:27	TLR 3A	NEXT	6-NN	1 / 0	100	5.3	100	5.3	0	0.0	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>	152	316	502	N/A		
May 30 11:29	TLR 5A	NEXT	6-NN	1 / 0	100	5.3	100	5.3	0	0.0	NONE	ED-2 ED-6 FIRM-7 FIRM-CREDIT <b>Total</b>	SWPP SWPP SWPP SWPP	0.0 0.0 9.9 0.0 <b>9.9</b>	0.0 0.0 9.9 0.0 <b>9.9</b>	156	314	483	N/A		
		<b>Total</b>	<b>6 / 0</b>	<b>115</b>	<b>6.7</b>	<b>115</b>	<b>6.7</b>	<b>0</b>	<b>0.0</b>												
May 30 12:28	TLR 5A	NEXT	2-NH	1 / 0	100	11.7	100	11.7	0	0.0	NONE	ED-2 ED-6 FIRM-7 FIRM-CREDIT <b>Total</b>	SWPP SWPP SWPP SWPP	0.0 0.0 29.1 0.0 <b>29.1</b>	0.0 0.0 29.1 0.0 <b>29.1</b>	176	324	452	N/A		
		<b>Total</b>	<b>10 / 0</b>	<b>268</b>	<b>23.1</b>	<b>268</b>	<b>23.1</b>	<b>0</b>	<b>0.0</b>												
May 30 13:29	TLR 5A	NEXT	2-NH	1 / 0	100	11.7	100	11.7	0	0.0	NONE	ED-2 ED-6 FIRM-7 FIRM-CREDIT <b>Total</b>	SWPP SWPP SWPP SWPP	0.0 0.0 16.3 0.0 <b>16.3</b>	0.0 0.0 16.3 0.0 <b>16.3</b>	180	330	458	N/A		
		<b>Total</b>	<b>8 / 0</b>	<b>234</b>	<b>20.2</b>	<b>234</b>	<b>20.2</b>	<b>0</b>	<b>0.0</b>												

May 30 14:29	TLR 5A	NEXT	2-NH 6-NN 7-F <b>Total</b>	1 / 0 1 / 0 8 / 0 <b>8 / 0</b>	100 100 58 <b>258</b>	11.7 5.3 5.5 <b>22.5</b>	100 100 58 <b>258</b>	11.7 5.3 5.5 <b>22.5</b>	0 0 0 <b>0</b>	0.0 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 27.2 0.0 <b>27.2</b>	0.0 0.0 27.2 0.0 <b>27.2</b>	180	326	448	N/A
May 30 15:29	TLR 5A	NEXT	2-NH 6-NN 7-F <b>Total</b>	1 / 0 1 / 0 4 / 0 <b>6 / 0</b>	100 100 5 <b>205</b>	11.7 5.1 0.5 <b>17.3</b>	100 100 5 <b>205</b>	11.7 5.1 0.5 <b>17.3</b>	0 0 0 <b>0</b>	0.0 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 1.2 0.0 <b>1.2</b>	0.0 0.0 1.2 0.0 <b>1.2</b>	177	322	444	N/A
May 30 16:28	TLR 5A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	100 <b>100</b>	5.3 <b>5.3</b>	100 <b>100</b>	5.3 <b>5.3</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>	179	334	474	N/A
May 30 17:27	TLR 5A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	100 <b>100</b>	5.3 <b>5.3</b>	100 <b>100</b>	5.3 <b>5.3</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>	171	325	472	N/A
May 30 18:28	TLR 5A	NEXT	6-NN <b>Total</b>	2 / 0 <b>2 / 0</b>	110 <b>110</b>	5.7 <b>5.7</b>	110 <b>110</b>	5.7 <b>5.7</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>	158	321	498	N/A
May 30 19:27	TLR 5A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	100 <b>100</b>	5.1 <b>5.1</b>	100 <b>100</b>	5.1 <b>5.1</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>	159	334	537	N/A
May 30 20:30	TLR 3A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	25 <b>25</b>	2.7 <b>2.7</b>	25 <b>25</b>	2.7 <b>2.7</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>	137	311	532	N/A
May 30 21:31	TLR 3A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	25 <b>25</b>	2.7 <b>2.7</b>	25 <b>25</b>	2.7 <b>2.7</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>	140	328	578	N/A
May 30 22:28	TLR 3A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	25 <b>25</b>	2.7 <b>2.7</b>	25 <b>25</b>	2.7 <b>2.7</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>	165	326	494	N/A
May 30 23:29	TLR 3A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	25 <b>25</b>	2.7 <b>2.7</b>	25 <b>25</b>	2.7 <b>2.7</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>	164	328	502	N/A
May 31 00:27	TLR 3A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	25 <b>25</b>	2.7 <b>2.7</b>	25 <b>25</b>	2.7 <b>2.7</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>	161	319	483	N/A
May 31 01:27	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>	152	315	498	N/A

May 31 02:27	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>	132	315	561	N/A	
May 31 03:27	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>	111	289	545	N/A	
May 31 04:28	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>	104	274	520	N/A	
May 31 05:27	TLR 3A	NEXT	NONE							NONE	NONE				96	257	494	N/A	
May 31 06:27	TLR 3A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	20 <b>20</b>	1.9 <b>1.9</b>	20 <b>20</b>	1.9 <b>1.9</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 13.0 <b>13.0</b>	0.0 0.0 13.0 <b>13.0</b>	103	277	532	N/A
May 31 07:27	TLR 3A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	20 <b>20</b>	1.9 <b>1.9</b>	20 <b>20</b>	1.9 <b>1.9</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>	144	322	544	N/A
May 31 08:27	TLR 3A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	20 <b>20</b>	1.9 <b>1.9</b>	20 <b>20</b>	1.9 <b>1.9</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>	157	289	343	N/A
May 31 09:28	TLR 3A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	20 <b>20</b>	1.9 <b>1.9</b>	20 <b>20</b>	1.9 <b>1.9</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>	155	328	530	N/A
May 31 10:28	TLR 3A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	20 <b>20</b>	1.9 <b>1.9</b>	20 <b>20</b>	1.9 <b>1.9</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>	153	327	533	N/A
May 31 11:28	TLR 3A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	20 <b>20</b>	1.9 <b>1.9</b>	20 <b>20</b>	1.9 <b>1.9</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>	163	329	509	N/A
May 31 12:27	TLR 3A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	20 <b>20</b>	1.9 <b>1.9</b>	20 <b>20</b>	1.9 <b>1.9</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>	163	321	484	N/A
May 31 13:27	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>	170	326	479	N/A	
May 31 14:28	TLR 3A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	20 <b>20</b>	1.9 <b>1.9</b>	20 <b>20</b>	1.9 <b>1.9</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>	175	329	473	N/A
May 31 15:30	TLR 3A	NEXT	NONE							NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 0.0 3.0 <b>3.0</b>	0.0 0.0 3.0 <b>3.0</b>	165	324	487	N/A	

May 31 16:26	TLR 3A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	20 <b>20</b>	1.9 <b>1.9</b>	20 <b>20</b>	1.9 <b>1.9</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>	147	303	478	N/A
May 31 17:31	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>	155	317	496	N/A
May 31 18:28	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>	154	318	502	N/A
May 31 19:29	TLR 3A	NEXT	6-NN <b>Total</b>	1 / 0 <b>1 / 0</b>	20 <b>20</b>	1.9 <b>1.9</b>	20 <b>20</b>	1.9 <b>1.9</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>	157	331	533	N/A
May 31 20:30	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>	143	317	533	N/A
May 31 21:27	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>	142	328	570	N/A
May 31 22:27	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>	135	319	562	N/A
May 31 23:33	TLR 0	CURRENT	NONE								NONE	NONE				109	286	542	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	4	400	400	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	35	1835	1835	0
7	28	160	160	0
<b>Total</b>	<b>67</b>	<b>2395</b>	<b>2395</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	0.0	0.0
	FIRM-7	99.8	99.7
Total for SWPP		99.8	99.7
<b>Total</b>		<b>99.8</b>	<b>99.7</b>

06/09/2009 12:22:01 (CST)

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A	B	C	D
Reliability Log for May, 30			2009
Time	Initials	Comments	
0026	RST	Re-issued TLR Level 3A on Temp 6 Woodring 345/138 kV XMFR fto Sooner-Woodring 345kV, Flgt. 15815.	
0126	RST	Re-issued TLR Level 3A on Temp 6 Woodring 345/138 kV XMFR fto Sooner-Woodring 345kV, Flgt. 15815.	
0227	RST	Re-issued TLR Level 3A on Temp 6 Woodring 345/138 kV XMFR fto Sooner-Woodring 345kV, Flgt. 15815.	
0326	RST	Re-issued TLR Level 3A on Temp 6 Woodring 345/138 kV XMFR fto Sooner-Woodring 345kV, Flgt. 15815.	
0423	RST	Re-issued TLR Level 0 on Temp 6 Woodring 345/138 kV XMFR fto Sooner-Woodring 345kV, Flgt. 15815.	
0834	WRG	Issued TLR Level 3B on Temp 6-Woodring 345/138Kv Trans. Flo Woodring-Cimarron 345Kv flgt # 15815	
0926	WRG	Re-Issued TLR Level 3A on Temp 6-Woodring 345/138Kv Trans. Flo Woodring-Cimarron 345Kv flgt # 15815	
1026	WRG	Re-Issued TLR Level 3A on Temp 6-Woodring 345/138Kv Trans. Flo Woodring-Cimarron 345Kv flgt # 15815	
1127	WRG	Re-Issued TLR Level 3A on Temp 6-Woodring 345/138Kv Trans. Flo Woodring-Cimarron 345Kv flgt # 15815	
1228	WRG	Issued TLR Level 5A on Temp 6-Woodring 345/138Kv Trans. Flo Woodring-Cimarron 345Kv flgt # 15815 <i>Went to 5A for feasibility.</i>	
1327	WRG	Issued TLR Level 5A on Temp 6-Woodring 345/138Kv Trans. Flo Woodring-Cimarron 345Kv flgt # 15815 <i>Went to 5A for feasibility.</i>	
1429	WRG	Issued TLR Level 5A on Temp 6-Woodring 345/138Kv Trans. Flo Woodring-Cimarron 345Kv flgt # 15815 <i>Went to 5A for feasibility.</i>	
1528	WRG	Issued TLR Level 5A on Temp 6-Woodring 345/138Kv Trans. Flo Woodring-Cimarron 345Kv flgt # 15815 <i>Went to 5A for feasibility.</i>	
1628	WRG	Issued TLR Level 5A on Temp 6-Woodring 345/138Kv Trans. Flo Woodring-Cimarron 345Kv flgt # 15815 <i>Went to 5A for feasibility.</i>	
1727	WRG	Issued TLR Level 5A on Temp 6-Woodring 345/138Kv Trans. Flo Woodring-Cimarron 345Kv flgt # 15815 <i>Went to 5A for feasibility.</i>	
1827	RST	Re-issued TLR Level 5A on Temp 6-Woodring 345/138Kv Trans. Flo Woodring-Cimarron 345Kv flgt # 15815 <i>for feasibility and loading</i>	
1928	RST	Re-issued TLR Level 5A on Temp 6-Woodring 345/138Kv Trans. Flo Woodring-Cimarron 345Kv flgt # 15815 <i>for feasibility and loading</i>	
2027	RST	Re-issued TLR Level 5A on Temp 6-Woodring 345/138Kv Trans. Flo Woodring-Cimarron 345Kv flgt # 15815 <i>for feasibility and loading</i>	
2129	RST	Re-issued TLR Level 3A on Temp 6-Woodring 345/138Kv Trans. Flo Woodring-Cimarron 345Kv flgt # 15815	
2231	RST	Re-issued TLR Level 3A on Temp 6-Woodring 345/138Kv Trans. Flo Woodring-Cimarron 345Kv flgt # 15815	
2328	RST	Re-issued TLR Level 3A on Temp 6-Woodring 345/138Kv Trans. Flo Woodring-Cimarron 345Kv flgt # 15815	

15815 5/30/09

