

**SPP TLR 5 Investigation Report  
Flowgate 6009  
(COOPER\_S)  
TLR Level 5: October 18, 2009  
Report Issued: October 29, 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 6009 on October 18, 2009. Flowgate 6009 is an SPP flowgate. This flowgate is used to monitor and control loading on several facilities in the area. The Level 5 TLR was in effect from 5:20 until 7:00 CST on October 18, 2009. Projected flows on the Cooper South interface were expected to exceed 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 1365 MVA. Flow on the Cooper South interface was 1089 MVA; however, external impacts were causing large fluctuations, 200 – 300 MW, of flow on the flowgate. This flowgate has an IROL of 1465 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 3-12.

**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 13. 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 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 14. Times on the chart are CDT.

**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. Investigation is underway to determine options for future identification and control of sudden loading on this flowgate.

**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 3-12.

## TLR Event History 6009 - COOPER\_S

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	10/17/2009 19:40	10/17/2009 19:29	10/17/2009 19:28:31	50.0	0.0	50.6	10	218
<a href="#">SUPERSEDED</a>	3A	10/17/2009 21:00	10/17/2009 20:27	10/17/2009 20:26:51	10.0	0.0	29.3	4	284
<a href="#">SUPERSEDED</a>	3B	10/17/2009 20:45	10/17/2009 20:34	10/17/2009 20:34:02	50.0	0.0	50.2	4	189
<a href="#">SUPERSEDED</a>	3A	10/17/2009 22:00	10/17/2009 21:27	10/17/2009 21:25:40	253.0	0.0	253.8	18	1326
<a href="#">SUPERSEDED</a>	3B	10/17/2009 22:25	10/17/2009 22:13	10/17/2009 22:12:27	50.0	0.0	50.9	10	95
<a href="#">SUPERSEDED</a>	3B	10/17/2009 23:25	10/17/2009 23:13	10/17/2009 23:12:37	70.0	0.0	70.5	8	124
<a href="#">SUPERSEDED</a>	3A	10/18/2009 00:00	10/17/2009 23:31	10/17/2009 23:30:20	189.0	0.0	189.0	8	780
<a href="#">SUPERSEDED</a>	3A	10/18/2009 01:00	10/18/2009 00:30	10/18/2009 00:27:34	170.0	0.0	170.6	12	705
<a href="#">SUPERSEDED</a>	3A	10/18/2009 02:00	10/18/2009 01:28	10/18/2009 01:27:20	180.0	0.0	180.4	15	762
<a href="#">SUPERSEDED</a>	3A	10/18/2009 03:00	10/18/2009 02:30	10/18/2009 02:27:27	304.0	0.0	304.7	16	1194
<a href="#">SUPERSEDED</a>	3A	10/18/2009 04:00	10/18/2009 03:31	10/18/2009 03:29:51	305.0	0.0	305.7	17	1201
<a href="#">SUPERSEDED</a>	3B	10/18/2009 04:20	10/18/2009 04:09	10/18/2009 04:09:05	75.0	0.0	75.6	8	165
<a href="#">SUPERSEDED</a>	3A	10/18/2009 05:00	10/18/2009 04:30	10/18/2009 04:29:20	402.0	0.0	402.5	18	1551
<a href="#">SUPERSEDED</a>	5B	10/18/2009 05:20	10/18/2009 05:09	10/18/2009 05:08:14	800.0	0.0	806.3	72	1090
<a href="#">SUPERSEDED</a>	5A	10/18/2009 06:00	10/18/2009 05:33	10/18/2009 05:32:39	700.0	0.0	703.7	44	2229
<a href="#">SUPERSEDED</a>	3A	10/18/2009 07:00	10/18/2009 06:15	10/18/2009 06:14:46	500.0	0.0	500.8	18	1168
<a href="#">SUPERSEDED</a>	3A	10/18/2009 07:00	10/18/2009 06:26	10/18/2009 06:26:07	650.0	0.7	649.3	17	1983
<a href="#">SUPERSEDED</a>	3A	10/18/2009 08:00	10/18/2009 07:38	10/18/2009 07:36:49	500.0	0.4	499.6	20	1402
<a href="#">SUPERSEDED</a>	3A	10/18/2009 09:00	10/18/2009 08:29	10/18/2009 08:28:50	400.0	0.0	400.8	16	703
<a href="#">SUPERSEDED</a>	3A	10/18/2009 10:00	10/18/2009 09:31	10/18/2009 09:30:59	120.0	0.0	120.0	14	842
<a href="#">SUPERSEDED</a>	3A	10/18/2009 11:00	10/18/2009 10:28	10/18/2009 10:28:26	184.0	0.0	184.1	11	609
<a href="#">SUPERSEDED</a>	3A	10/18/2009 12:00	10/18/2009 11:34	10/18/2009 11:33:44	150.0	0.0	158.2	14	1119
<a href="#">SUPERSEDED</a>	3A	10/18/2009 13:00	10/18/2009 12:30	10/18/2009 12:30:27	150.0	0.0	169.7	14	1192
<a href="#">SUPERSEDED</a>	3A	10/18/2009 14:00	10/18/2009 13:27	10/18/2009 13:27:32	150.0	0.0	150.0	10	593
<a href="#">SUPERSEDED</a>	3A	10/18/2009 15:00	10/18/2009 14:27	10/18/2009 14:27:00	130.0	0.0	130.0	7	499
<a href="#">SUPERSEDED</a>	3A	10/18/2009 16:00	10/18/2009 15:26	10/18/2009 15:26:17	200.0	0.0	200.0	10	636
<a href="#">SUPERSEDED</a>	3A	10/18/2009 17:00	10/18/2009 16:27	10/18/2009 16:26:19	200.0	0.0	200.0	10	635
<a href="#">SUPERSEDED</a>	3A	10/18/2009 18:00	10/18/2009 17:27	10/18/2009 17:26:38	20.0	0.0	44.2	5	425
<a href="#">SUPERSEDED</a>	3A	10/18/2009 19:00	10/18/2009 18:30	10/18/2009 18:29:55	43.0	0.0	197.0	12	1329
<a href="#">SUPERSEDED</a>	3A	10/18/2009 20:00	10/18/2009 19:30	10/18/2009 19:29:33	45.0	0.0	211.4	13	1420
<a href="#">SUPERSEDED</a>	3A	10/18/2009 21:00	10/18/2009 20:31	10/18/2009 20:30:48	116.0	0.0	251.7	14	1661
<a href="#">SUPERSEDED</a>	3A	10/18/2009 22:00	10/18/2009 21:29	10/18/2009 21:29:02	69.0	0.0	227.9	14	1551
<a href="#">SUPERSEDED</a>	3A	10/18/2009 23:00	10/18/2009 22:28	10/18/2009 22:28:23	100.0	0.0	227.5	11	1534
<a href="#">SUPERSEDED</a>	3A	10/19/2009 00:00	10/18/2009 23:31	10/18/2009 23:30:30	18.0	0.0	211.0	10	1435
<a href="#">SUPERSEDED</a>	3A	10/19/2009 01:00	10/19/2009 00:29	10/19/2009 00:28:43	127.0	0.0	218.1	10	1477
<a href="#">SUPERSEDED</a>	3A	10/19/2009 02:00	10/19/2009 01:30	10/19/2009 01:29:26	100.0	0.0	225.2	13	1538
<a href="#">SUPERSEDED</a>	3A	10/19/2009 03:00	10/19/2009 02:34	10/19/2009 02:33:50	77.0	0.0	231.8	13	1574
<a href="#">SUPERSEDED</a>	3A	10/19/2009 04:00	10/19/2009 03:28	10/19/2009 03:28:29	0.0	0.0	250.0	13	1677
<a href="#">SUPERSEDED</a>	3A	10/19/2009 05:00	10/19/2009 04:29	10/19/2009 04:29:28	63.0	0.0	126.2	9	939
<a href="#">TERMINATED</a>	0	10/19/2009 05:40	10/19/2009 05:29	10/19/2009 05:28:42	0.0	0.0	0.0	0	0

10/29/2009 13:29:10 (CST)

OATI IDC Support Phone: 763-201-2010 Fax: 763-553-2813

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## Event Summary

FILE SAVED AS: SWPP\_6009\_20091017\_1940.htm

Incident: SWPP_6009_20091017_1940	Date: 10/17/2009	Reliability Coordinator: SWPP
Initial Conditions: loading		
Flowgate: 6009 - COOPER_S	Rating: 1365	LODF: N/A
TLR Direction: Normal		
Effective StartTime: 10/17/2009 19:40	Effective EndTime: 10/19/2009 05:40	TLR Duration: 34 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												
Oct 17 19:29	TLR 3B	CURRENT	1-NS	4 / 0	134	9.0	134	9.0	0	0.0	NONE	ED-2	MISO	0.0	0.0	1308	N/A	N/A	N/A			
			2-NH	6 / 0	84	18.0	84	18.0	0	0.0			FJM	0.0	0.0					SWPP	23.7	23.7
			<b>Total</b>	<b>10 / 0</b>	<b>352</b>	<b>27.0</b>	<b>218</b>	<b>27.0</b>	<b>0</b>	<b>0.0</b>			MISO	0.0	0.0							
													FJM	0.0	0.0							
													SWPP	0.0	0.0							
													MISO	0.0	0.0							
													FJM	0.0	0.0							
													SWPP	0.0	0.0							
													<b>Total</b>	<b>23.7</b>	<b>23.7</b>							
Oct 17 20:27	TLR 3A	NEXT	1-NS	4 / 0	134	9.0	134	9.0	0	0.0	NONE	ED-2	MISO	0.0	0.0	1237	N/A	N/A	N/A			
			2-NH	2 / 0	74	12.4	74	12.4	0	0.0			FJM	0.0	0.0							
			<b>Total</b>	<b>6 / 0</b>	<b>352</b>	<b>21.4</b>	<b>208</b>	<b>21.4</b>	<b>0</b>	<b>0.0</b>			SWPP	50.0	50.0							
													MISO	0.0	0.0							
													FJM	0.0	0.0							
													SWPP	0.0	0.0							
													MISO	0.0	0.0							
													FJM	0.0	0.0							
													SWPP	0.0	0.0							
													<b>Total</b>	<b>50.0</b>	<b>50.0</b>							
Oct 17 20:34	TLR 3B	CURRENT	2-NH	2 / 0	155	40.2	155	40.2	0	0.0	NONE	ED-2	MISO	0.0	0.0	1390	N/A	N/A	N/A			
			5-NM	2 / 0	34	4.2	34	4.2	0	0.0			FJM	0.0	0.0							
			<b>Total</b>	<b>4 / 0</b>	<b>615</b>	<b>44.4</b>	<b>189</b>	<b>44.4</b>	<b>0</b>	<b>0.0</b>			SWPP	90.0	90.0							
													MISO	0.0	0.0							
													FJM	0.0	0.0							
													SWPP	0.0	0.0							
													MISO	0.0	0.0							
													FJM	0.0	0.0							
													SWPP	0.0	0.0							
													<b>Total</b>	<b>90.0</b>	<b>90.0</b>							

		NEXT	1-NS 2-NH 5-NM 6-NN <b>Total</b>	1 / 0 1 / 0 3 / 0 12 / 0 <b>17 / 0</b>	100 104 181 382 <b>615</b>	20.2 21.3 27.7 59.4 <b>128.7</b>	100 104 181 382 <b>767</b>	20.2 21.3 27.7 59.4 <b>128.7</b>	0 0 0 0 <b>0</b>	0.0 0.0 0.0 0.0 <b>0.0</b>	NONE	ED-2  ED-6  FIRM-7  <b>Total</b>	MISO PJM SWPP MISO PJM SWPP	0.0 0.0 83.9 0.0 0.0 0.0 <b>83.9</b>	0.0 0.0 83.9 0.0 0.0 0.0 <b>83.9</b>				
Oct 17 21:27	TLR 3A	NEXT	5-NM 6-NN <b>Total</b>	3 / 0 11 / 0 <b>14 / 0</b>	190 676 <b>866</b>	29.6 119.7 <b>149.3</b>	190 676 <b>866</b>	29.6 119.7 <b>149.3</b>	0 0 <b>0</b>	0.0 0.0 <b>0.0</b>	NONE	ED-2  ED-6  FIRM-7  <b>Total</b>	MISO PJM SWPP MISO PJM SWPP	0.0 0.0 57.0 0.0 0.0 0.0 <b>57.0</b>	0.0 0.0 57.0 0.0 0.0 0.0 <b>57.0</b>	1294	N/A	N/A	N/A
Oct 17 22:13	TLR 3B	CURRENT	6-NN <b>Total</b>	10 / 0 <b>10 / 0</b>	95 <b>95</b>	18.3 <b>18.3</b>	95 <b>95</b>	18.3 <b>18.3</b>	0 <b>0</b>	0.0 <b>0.0</b>	NONE	ED-2  ED-6  FIRM-7  <b>Total</b>	MISO PJM SWPP MISO PJM SWPP	0.0 0.0 381.0 0.0 0.0 28.6 <b>389.6</b>	0.0 0.0 381.0 0.0 0.0 28.6 <b>389.6</b>	1340	N/A	N/A	N/A
		NEXT	2-NH 5-NM <b>Total</b>	1 / 0 2 / 0 <b>3 / 0</b>	400 41 <b>95</b>	26.7 5.3 <b>32.1</b>	400 41 <b>441</b>	26.7 5.3 <b>32.1</b>	0 0 <b>0</b>	0.0 0.0 <b>0.0</b>	NONE	ED-2  ED-6  FIRM-7  <b>Total</b>	MISO PJM SWPP MISO PJM SWPP	0.0 0.0 114.7 0.0 0.0 0.0 <b>114.7</b>	0.0 0.0 114.7 0.0 0.0 0.0 <b>114.7</b>				
Oct 17 23:13	TLR 3B	CURRENT	6-NN <b>Total</b>	8 / 0 <b>8 / 0</b>	124 <b>124</b>	22.7 <b>22.7</b>	124 <b>124</b>	22.7 <b>22.7</b>	0 <b>0</b>	0.0 <b>0.0</b>	NONE	ED-2  ED-6  FIRM-7  <b>Total</b>	MISO PJM SWPP MISO PJM SWPP	0.0 0.0 285.0 0.0 0.0 17.7 <b>302.7</b>	0.0 0.0 285.0 0.0 0.0 17.7 <b>302.7</b>	1385	N/A	N/A	N/A
		NEXT	5-NM <b>Total</b>	2 / 0 <b>2 / 0</b>	175 <b>124</b>	28.1 <b>28.1</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>	MISO PJM SWPP MISO PJM SWPP	0.0 0.0 185.0 0.0 0.0 0.0 <b>185.0</b>	0.0 0.0 185.0 0.0 0.0 0.0 <b>0.0</b>				

Oct 17 23:31	TLR 3A	NEXT	5-NM <b>Total</b>	2 / 0 <b>2 / 0</b>	175 <b>175</b>	28.1 <b>28.1</b>	175 <b>175</b>	28.1 <b>28.1</b>	0 <b>0</b>	0.0 <b>0.0</b>	NONE	ED-2	MISO PJM SWPP	0.0 0.0 81.8	0.0 0.0 81.8	1351	N/A	N/A	N/A
												ED-6	MISO PJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0				
												FIRM-7	MISO PJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0				
												<b>Total</b>		<b>81.8</b>	<b>81.8</b>				
Oct 18 00:30	TLR 3A	NEXT	5-NM 6-NN <b>Total</b>	2 / 0 2 / 0 <b>4 / 0</b>	175 143 <b>318</b>	28.1 24.1 <b>52.2</b>	175 143 <b>318</b>	28.1 24.1 <b>52.2</b>	0 0 <b>0</b>	0.0 0.0 <b>0.0</b>	NONE	ED-2	MISO PJM SWPP	0.0 0.0 77.2	0.0 0.0 77.2	1300	N/A	N/A	N/A
												ED-6	MISO PJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0				
												FIRM-7	MISO PJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0				
												<b>Total</b>		<b>77.2</b>	<b>77.2</b>				
Oct 18 01:28	TLR 3A	NEXT	5-NM 6-NN <b>Total</b>	1 / 0 10 / 0 <b>11 / 0</b>	136 343 <b>479</b>	22.9 49.9 <b>72.9</b>	136 343 <b>479</b>	22.9 49.9 <b>72.9</b>	0 0 <b>0</b>	0.0 0.0 <b>0.0</b>	NONE	ED-2	MISO PJM SWPP	0.0 0.0 77.8	0.0 0.0 77.8	1289	N/A	N/A	N/A
												ED-6	MISO PJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0				
												FIRM-7	MISO PJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0				
												<b>Total</b>		<b>77.8</b>	<b>77.8</b>				
Oct 18 02:30	TLR 3A	NEXT	5-NM 6-NN <b>Total</b>	1 / 0 12 / 0 <b>13 / 0</b>	136 779 <b>915</b>	22.9 124.3 <b>147.2</b>	136 779 <b>915</b>	22.9 124.3 <b>147.2</b>	0 0 <b>0</b>	0.0 0.0 <b>0.0</b>	NONE	ED-2	MISO PJM SWPP	0.0 0.0 127.9	0.0 0.0 127.9	1248	N/A	N/A	N/A
												ED-6	MISO PJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0				
												FIRM-7	MISO PJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0				
												<b>Total</b>		<b>127.9</b>	<b>127.9</b>				
Oct 18 03:31	TLR 3A	NEXT	5-NM 6-NN <b>Total</b>	2 / 0 11 / 0 <b>13 / 0</b>	138 708 <b>846</b>	23.2 117.0 <b>140.2</b>	138 708 <b>846</b>	23.2 117.0 <b>140.2</b>	0 0 <b>0</b>	0.0 0.0 <b>0.0</b>	NONE	ED-2	MISO PJM SWPP	0.0 0.0 128.2	0.0 0.0 128.2	1259	N/A	N/A	N/A
												ED-6	MISO PJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0				
												FIRM-7	MISO PJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0				
												<b>Total</b>		<b>128.2</b>	<b>128.2</b>				
Oct 18 04:09	TLR 3B	CURRENT	6-NN <b>Total</b>	8 / 0 <b>8 / 0</b>	165 <b>165</b>	30.1 <b>30.1</b>	165 <b>165</b>	30.1 <b>30.1</b>	0 <b>0</b>	0.0 <b>0.0</b>	NONE	ED-2	MISO PJM SWPP	0.0 0.0 94.5	0.0 0.0 94.5	1387	N/A	N/A	N/A
												ED-6	MISO PJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0				
												FIRM-7	MISO PJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0				
												<b>Total</b>		<b>94.5</b>	<b>94.5</b>				

		NEXT	1-NS 2-NH 5-NM 8-NN <b>Total</b>	1 / 0 1 / 0 1 / 0 10 / 0 <b>13 / 0</b>	10 52 136 924 <b>165</b>	1.2 19.2 23.0 163.5 <b>206.9</b>	0 0 138 720 <b>856</b>	0.0 0.0 23.0 111.5 <b>134.4</b>	0 0 0 0 <b>0</b>	0.0 0.0 0.0 0.0 <b>0.0</b>	NONE	ED-2  ED-6  FIRM-7  <b>Total</b>	MISO PJM SWPP MISO PJM SWPP	9.2 0.0 131.9 0.0 0.0 0.0 <b>141.1</b>	9.2 0.0 0.0 0.0 0.0 0.0 <b>9.2</b>				
Oct 18 04:30	TLR 3A	NEXT	1-NS 2-NH 5-NM 8-NN <b>Total</b>	1 / 0 1 / 0 1 / 0 10 / 0 <b>13 / 0</b>	10 52 136 998 <b>1196</b>	1.2 19.2 23.0 175.8 <b>219.2</b>	10 52 138 998 <b>1196</b>	1.2 19.2 23.0 175.8 <b>219.2</b>	0 0 0 0 <b>0</b>	0.0 0.0 0.0 0.0 <b>0.0</b>	NONE	ED-2  ED-6  FIRM-7  <b>Total</b>	MISO PJM SWPP MISO PJM SWPP	9.2 0.0 138.4 0.0 0.0 0.0 <b>147.6</b>	9.2 0.0 138.4 0.0 0.0 0.0 <b>147.6</b>	1065	N/A	N/A	N/A
Oct 18 05:09	TLR 5B	CURRENT	6-NN 7-F <b>Total</b>	6 / 0 66 / 0 <b>72 / 0</b>	590 500 <b>1090</b>	99.7 132.6 <b>232.3</b>	590 500 <b>1090</b>	99.7 132.6 <b>232.3</b>	0 0 <b>0</b>	0.0 0.0 <b>0.0</b>	NONE	ED-2  ED-6  FIRM-7  <b>Total</b>	MISO PJM SWPP MISO PJM SWPP	0.0 0.0 192.0 76.6 0.0 123.0 118.5 0.0 83.9 <b>574.0</b>	0.0 0.0 192.0 76.6 0.0 123.0 118.4 0.0 83.9 <b>573.9</b>	1089	N/A	N/A	N/A
		NEXT	1-NS 2-NH 5-NM 8-NN 7-F <b>Total</b>	3 / 0 1 / 0 1 / 0 8 / 0 64 / 0 <b>77 / 0</b>	283 51 136 1276 558 <b>1090</b>	61.0 18.9 23.0 221.5 138.5 <b>462.8</b>	283 51 138 1276 558 <b>2304</b>	61.0 18.9 23.0 221.5 138.5 <b>462.8</b>	0 0 0 0 0 <b>0</b>	0.0 0.0 0.0 0.0 0.0 <b>0.0</b>	NONE	NONE							
Oct 18 05:33	TLR 5A	NEXT	1-NS 2-NH 5-NM 8-NN 7-F <b>Total</b>	1 / 0 1 / 0 1 / 0 10 / 0 26 / 0 <b>39 / 0</b>	10 51 136 1626 32 <b>1855</b>	1.2 18.9 23.0 290.2 8.1 <b>341.3</b>	10 51 138 1626 32 <b>1855</b>	1.2 18.9 23.0 290.2 8.1 <b>341.3</b>	0 0 0 0 0 <b>0</b>	0.0 0.0 0.0 0.0 0.0 <b>0.0</b>	NONE	ED-2  ED-6  FIRM-7  FIRM-CREDIT  <b>Total</b>	MISO PJM SWPP MISO PJM SWPP MISO PJM SWPP	47.5 0.0 171.0 0.0 0.0 104.5 0.0 0.0 0.0 0.0 0.0 <b>323.0</b>	47.5 0.0 171.0 0.0 0.0 104.5 0.0 0.0 0.0 0.0 0.0 <b>323.0</b>	1056	N/A	N/A	N/A
Oct 18 06:15	TLR 3A PRELIM	NEXT	1-NS 2-NH 5-NM 8-NN <b>Total</b>	1 / 0 2 / 0 1 / 0 10 / 0 <b>14 / 0</b>	23 55 32 743 <b>853</b>	1.2 19.5 5.4 129.2 <b>155.4</b>	0 0 0 0 <b>0</b>	0.0 0.0 0.0 0.0 <b>0.0</b>	0 0 0 0 <b>0</b>	0.0 0.0 0.0 0.0 <b>0.0</b>	NONE	ED-2  ED-6  FIRM-7  <b>Total</b>	MISO PJM SWPP MISO PJM SWPP	0.0 0.0 188.0 0.0 0.0 124.0 0.0 0.0 0.0 <b>312.0</b>	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 <b>0.0</b>	1164	N/A	N/A	N/A

Oct 18 08:26	TLR 3A	NEXT	2-NH 5-NM 6-NN <b>Total</b>	2 / 0 1 / 0 10 / 0 <b>13 / 0</b>	55 32 1581 <b>1668</b>	19.5 5.4 279.0 <b>303.9</b>	55 32 1581 <b>1668</b>	19.5 5.4 279.0 <b>303.9</b>	0 0 0 <b>0</b>	0.0 0.0 0.0 <b>0.0</b>	NONE	ED-2  ED-6  FIRM-7  <b>Total</b>	MISO PJM SWPP MISO PJM SWPP MISO PJM SWPP	0.0 0.0 188.0 0.0 0.0 124.0 0.0 0.0 0.0 <b>312.0</b>	0.0 0.0 188.0 0.0 0.0 124.0 0.0 0.0 0.0 <b>312.0</b>	1257	N/A	N/A	N/A
Oct 18 07:38	TLR 3A	NEXT	1-NS 2-NH 5-NM 6-NN 7-F <b>Total</b>	1 / 0 2 / 0 2 / 0 10 / 0 0 / 1 <b>15 / 1</b>	23 54 51 912 0 <b>1040</b>	1.2 19.2 7.2 182.2 0.0 <b>189.7</b>	23 54 51 912 0 <b>1040</b>	1.2 19.2 7.2 182.2 0.0 <b>189.7</b>	0 0 0 0 20 <b>20</b>	0.0 0.0 0.0 0.0 8.3 <b>8.3</b>	NONE	ED-2  ED-6  FIRM-7  <b>Total</b>	MISO PJM SWPP MISO PJM SWPP	3.0 0.0 138.0 0.0 0.0 133.0 0.0 0.0 0.0 <b>274.0</b>	3.0 0.0 138.0 0.0 0.0 133.0 0.0 0.0 0.0 <b>274.0</b>	1189	N/A	N/A	N/A
Oct 18 08:29	TLR 3A	NEXT	2-NH 6-NN <b>Total</b>	2 / 0 10 / 0 <b>12 / 0</b>	54 334 <b>388</b>	19.2 50.9 <b>70.1</b>	54 334 <b>388</b>	19.2 50.9 <b>70.1</b>	0 0 <b>0</b>	0.0 0.0 <b>0.0</b>	NONE	ED-2  ED-6  FIRM-7  <b>Total</b>	MISO PJM SWPP MISO PJM SWPP	0.0 0.0 165.0 0.0 0.0 132.0 0.0 0.0 0.0 <b>297.0</b>	0.0 0.0 165.0 0.0 0.0 132.0 0.0 0.0 0.0 <b>297.0</b>	1088	N/A	N/A	N/A
Oct 18 09:31	TLR 3A	NEXT	1-NS <b>Total</b>	0 / 1 <b>0 / 1</b>	0 <b>0</b>	0.0 <b>0.0</b>	0 <b>0</b>	0.0 <b>0.0</b>	34 <b>34</b>	1.7 <b>1.7</b>	NONE	ED-2  ED-6  FIRM-7  <b>Total</b>	MISO PJM SWPP MISO PJM SWPP	0.0 0.0 7.0 0.0 0.0 0.0 0.0 <b>7.0</b>	0.0 0.0 7.0 0.0 0.0 0.0 0.0 <b>7.0</b>	1139	N/A	N/A	N/A
Oct 18 10:28	TLR 3A	NEXT	1-NS 2-NH <b>Total</b>	2 / 0 2 / 0 <b>4 / 0</b>	26 14 <b>40</b>	2.1 4.9 <b>7.0</b>	26 14 <b>40</b>	2.1 4.9 <b>7.0</b>	0 0 <b>0</b>	0.0 0.0 <b>0.0</b>	NONE	ED-2  ED-6  FIRM-7  <b>Total</b>	MISO PJM SWPP MISO PJM SWPP	0.0 0.0 108.0 0.0 0.0 0.0 0.0 <b>108.0</b>	0.0 0.0 108.0 0.0 0.0 0.0 0.0 <b>108.0</b>	1166	N/A	N/A	N/A
Oct 18 11:34	TLR 3A	NEXT	NONE								NONE	ED-2  ED-6  FIRM-7  <b>Total</b>	MISO PJM SWPP MISO PJM SWPP	0.0 0.0 0.0 0.0 0.0 0.0 <b>0.0</b>	0.0 0.0 0.0 0.0 0.0 0.0 <b>0.0</b>	1210	N/A	N/A	N/A



Oct 18 18:30	TLR 3A	NEXT	NONE	NONE	ED-2	MISO FJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0	1059	N/A	N/A	N/A
					ED-6	MISO FJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0				
					FIRM-7	MISO FJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0				
					<b>Total</b>		<b>0.0</b>	<b>0.0</b>				
Oct 18 19:30	TLR 3A	NEXT	NONE	NONE	ED-2	MISO FJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0	1137	N/A	N/A	N/A
					ED-6	MISO FJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0				
					FIRM-7	MISO FJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0				
					<b>Total</b>		<b>0.0</b>	<b>0.0</b>				
Oct 18 20:31	TLR 3A	NEXT	NONE	NONE	ED-2	MISO FJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0	1185	N/A	N/A	N/A
					ED-6	MISO FJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0				
					FIRM-7	MISO FJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0				
					<b>Total</b>		<b>0.0</b>	<b>0.0</b>				
Oct 18 21:29	TLR 3A	NEXT	NONE	NONE	ED-2	MISO FJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0	1233	N/A	N/A	N/A
					ED-6	MISO FJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0				
					FIRM-7	MISO FJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0				
					<b>Total</b>		<b>0.0</b>	<b>0.0</b>				
Oct 18 22:28	TLR 3A	NEXT	NONE	NONE	ED-2	MISO FJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0	1223	N/A	N/A	N/A
					ED-6	MISO FJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0				
					FIRM-7	MISO FJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0				
					<b>Total</b>		<b>0.0</b>	<b>0.0</b>				
Oct 18 23:31	TLR 3A	NEXT	NONE	NONE	ED-2	MISO FJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0	1188	N/A	N/A	N/A
					ED-6	MISO FJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0				
					FIRM-7	MISO FJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0				
					<b>Total</b>		<b>0.0</b>	<b>0.0</b>				

Oct 19 00:29	TLR 3A	NEXT	NONE	NONE	ED-2	MISO PJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0	1228	N/A	N/A	N/A
					ED-6	MISO PJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0				
					FIRM-7	MISO PJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0				
					<b>Total</b>		<b>0.0</b>	<b>0.0</b>				
Oct 19 01:30	TLR 3A	NEXT	NONE	NONE	ED-2	MISO PJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0	990	N/A	N/A	N/A
					ED-6	MISO PJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0				
					FIRM-7	MISO PJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0				
					<b>Total</b>		<b>0.0</b>	<b>0.0</b>				
Oct 19 02:34	TLR 3A	NEXT	NONE	NONE	ED-2	MISO PJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0	1037	N/A	N/A	N/A
					ED-6	MISO PJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0				
					FIRM-7	MISO PJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0				
					<b>Total</b>		<b>0.0</b>	<b>0.0</b>				
Oct 19 03:28	TLR 3A	NEXT	NONE	NONE	ED-2	MISO PJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0	1085	N/A	N/A	N/A
					ED-6	MISO PJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0				
					FIRM-7	MISO PJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0				
					<b>Total</b>		<b>0.0</b>	<b>0.0</b>				
Oct 19 04:29	TLR 3A	NEXT	NONE	NONE	ED-2	MISO PJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0	1014	N/A	N/A	N/A
					ED-6	MISO PJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0				
					FIRM-7	MISO PJM SWPP	0.0 0.0 0.0	0.0 0.0 0.0				
					<b>Total</b>		<b>0.0</b>	<b>0.0</b>				
Oct 19 05:29	TLR 0	CURRENT	NONE	NONE	NONE				946	N/A	N/A	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	19	753	720	34
2	34	1616	1509	0
3	0	0	0	0
4	0	0	0	0
5	30	2081	1874	0
6	189	12402	11455	0
7	156	1090	1090	20
<b>Total</b>	<b>408</b>	<b>17942</b>	<b>16648</b>	<b>54</b>

### TLR Market Flow Totals

Market	Type	Market Relief	
		IDC MW	RC Ackn MW
MISO	ED-2	60.5	60.6
	ED-6	76.6	76.6
	FIRM-7	118.5	118.4
<b>Total MISO</b>		<b>255.6</b>	<b>255.6</b>
PJM	ED-2	0.0	0.0
	ED-6	0.0	0.0
	FIRM-7	0.0	0.0
<b>Total PJM</b>		<b>0.0</b>	<b>0.0</b>
SWPP	ED-2	3069.7	3069.9
	ED-6	786.8	786.8
	FIRM-7	63.9	63.9
<b>Total for SWPP</b>		<b>3920.5</b>	<b>3920.6</b>
<b>Total</b>		<b>4176.1</b>	<b>4176.2</b>

10/29/2009 13:39:55 (CST)

OATI IDC Support Phone: 763-201-2010 Fax: 763-553-2813

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	A	B	C	D	E
1	<b>Reliability Log for October, 17 2009</b>				
2	Time	Initials	Comments	Saturday	
3	2028	LRG	Issued TLR level 3B on Cooper_S #6009		
4	2126	LRG	Issued TLR level 3A on Cooper_S #6009		
5	2134	LRG	Issued TLR level 3B on Cooper_S #6009		
6	2225	LRG	Issued TLR level 3A on Cooper_S #6009		
7	2312	LRG	Issued TLR level 3B on Cooper_S #6009		
8					
9					
10	<b>Reliability Log for October, 18 2009</b>				
11	Time	Initials	Comments	Sunday	
12	0012	LRG	Issued TLR level 3B on Cooper_S #6009		
13	0030	LRG	Issued TLR level 3A on Cooper_S #6009		
14	0127	LRG	Issued TLR level 3A on Cooper_S #6009		
15	0227	LRG	Issued TLR level 3A on Cooper_S #6009		
16	0327	LRG	Issued TLR level 3A on Cooper_S #6009		
17	0429	LRG	Issued TLR level 3A on Cooper_S #6009		
18	0509	LRG	Issued TLR level 3B on Cooper_S #6009		
19	0529	LRG	Issued TLR level 3A on Cooper_S #6009		
20	0608	MRH	Re-issued TLR level 5B on Cooper_S #6009		
21	0632	MRH	Re-issued TLR level 5A on Cooper_S #6009		
22	0715	MRH	Re-issued TLR level 3A on Cooper_S #6009		
23	0726	MRH	Re-issued TLR level 3A on Cooper_S #6009		
24	0836	MRH	Re-issued TLR level 3A on Cooper_S #6009		
25	0928	MRH	Re-issued TLR level 3A on Cooper_S #6009		
26	1030	MRH	Re-issued TLR level 3A on Cooper_S #6009		
27	1128	MRH	Re-issued TLR level 3A on Cooper_S #6009		
28	1233	MRH	Re-issued TLR level 3A on Cooper_S #6009		
29	1330	MRH	Re-issued TLR level 3A on Cooper_S #6009		
30	1427	MRH	Re-issued TLR level 3A on Cooper_S #6009		
31	1527	MRH	Re-issued TLR level 3A on Cooper_S #6009		
32	1626	MRH	Re-issued TLR level 3A on Cooper_S #6009		
33	1726	MRH	Re-issued TLR level 3A on Cooper_S #6009		
34	1827	LRG	Re-issued TLR level 3A on Cooper_S #6009		
35	1929	LRG	Re-issued TLR level 3A on Cooper_S #6009		
36	2029	LRG	Re-issued TLR level 3A on Cooper_S #6009		
37	2130	LRG	Re-issued TLR level 3A on Cooper_S #6009		
38	2229	LRG	Re-issued TLR level 3A on Cooper_S #6009		
39	2328	LRG	Re-issued TLR level 3A on Cooper_S #6009		
40					
41					
42	<b>Reliability Log for October, 19 2009</b>				
43	Time	Initials	Comments	Monday	
44	0030	LRG	Re-issued TLR level 3A on Cooper_S #6009		
45	0128	LRG	Re-issued TLR level 3A on Cooper_S #6009		
46	0229	LRG	Re-issued TLR level 3A on Cooper_S #6009		
47	0333	LRG	Re-issued TLR level 3A on Cooper_S #6009		
48	0427	LRG	Re-issued TLR level 3A on Cooper_S #6009		
49	0529	LRG	Re-issued TLR level 3A on Cooper_S #6009		
50	0628	WRG	Re-issued TLR level 0 on Cooper_S #6009		
51					

6009 - 10/18/09

— Post Cont. — Limit

