

**SPP TLR 5 Investigation Report
Flowgate 5203
(Hugo Power Plant – Valliant 138kV for loss of Pittsburg – Valliant 345kV)
(HPPVALPITVAL)
TLR Level 5: November 9, 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 5203 on November 9, 2008. Flowgate 5203 is an SPP flowgate. The Level 5 TLR was in effect from 12:00 until 19:00 CST on November 9, 2008. Projected post-contingent flows on the Hugo Power Plant – Valliant 138kV line exceeded the SOL. The monitored element on this flowgate has a dynamic temperature dependent rating. TLR is issued dependent on this dynamic rating.

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 315 MVA. Flow on the Limiting Element was 191 MVA. Flow on the Contingent Element was 443 MVA. The LODF was approximately 26%. Post-contingent flow on the Limiting Element was approximately 309 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 3-10.

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.

There were no non-firm transactions impacting the flowgate by more than 5% during the Level 5 TLR. Non-firm market flow curtailments had been made. Next hour flows for the 12:00 hour predicted that not enough non-firm could be curtailed to alleviate loading on the flowgate. 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 11. 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 12.

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. The interface between southeastern Oklahoma and northeastern Texas/southwestern Arkansas has been a trouble spot for several years. Transmission additions planned for 2010 should improve loading conditions on this interface.

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 3-10.

TLR Event History 5203 - HppValPitVal

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	11/07/2008 06:30	11/07/2008 06:19	11/07/2008 06:19:12	0.0	0.0	0.0	0	0
SUPERSEDED	3A	11/07/2008 08:00	11/07/2008 07:28	11/07/2008 07:27:57	39.0	24.1	14.9	1	103
SUPERSEDED	3A	11/07/2008 09:00	11/07/2008 08:29	11/07/2008 08:29:00	9.0	0.0	9.0	1	85
SUPERSEDED	3A	11/07/2008 10:00	11/07/2008 09:34	11/07/2008 09:33:43	0.0	0.0	0.0	0	0
SUPERSEDED	3A	11/07/2008 11:00	11/07/2008 10:28	11/07/2008 10:28:20	4.0	0.0	4.0	1	37
SUPERSEDED	3A	11/07/2008 12:00	11/07/2008 11:31	11/07/2008 11:31:02	55.0	27.1	27.9	1	184
SUPERSEDED	3A	11/07/2008 13:00	11/07/2008 12:26	11/07/2008 12:26:23	63.0	26.2	36.8	1	184
SUPERSEDED	3A	11/07/2008 14:00	11/07/2008 13:26	11/07/2008 13:26:21	51.0	8.2	42.8	1	184
SUPERSEDED	3A	11/07/2008 15:00	11/07/2008 14:26	11/07/2008 14:25:58	83.0	45.1	37.9	1	184
SUPERSEDED	3A	11/07/2008 16:00	11/07/2008 15:27	11/07/2008 15:27:07	36.0	16.0	20.0	0	0
SUPERSEDED	3A	11/07/2008 17:00	11/07/2008 16:26	11/07/2008 16:26:25	12.0	0.0	12.0	0	0
SUPERSEDED	3A	11/07/2008 18:00	11/07/2008 17:27	11/07/2008 17:26:46	38.0	25.0	13.0	0	0
SUPERSEDED	3A	11/07/2008 19:00	11/07/2008 18:26	11/07/2008 18:26:08	42.0	13.0	29.0	0	0
SUPERSEDED	3A	11/07/2008 20:00	11/07/2008 19:26	11/07/2008 19:26:13	42.0	4.9	37.1	1	200
SUPERSEDED	3A	11/07/2008 21:00	11/07/2008 20:29	11/07/2008 20:29:06	53.0	0.0	53.0	1	200
SUPERSEDED	3A	11/07/2008 22:00	11/07/2008 21:27	11/07/2008 21:27:02	55.0	0.0	55.0	2	300
SUPERSEDED	3A	11/07/2008 23:00	11/07/2008 22:26	11/07/2008 22:26:08	37.0	6.4	30.6	1	100
SUPERSEDED	3A	11/08/2008 00:00	11/07/2008 23:26	11/07/2008 23:25:41	25.0	0.0	25.0	2	150
SUPERSEDED	3A	11/08/2008 01:00	11/08/2008 00:32	11/08/2008 00:32:04	17.0	0.0	17.0	2	150
SUPERSEDED	3A	11/08/2008 02:00	11/08/2008 01:32	11/08/2008 01:31:44	32.0	0.7	31.3	2	150
SUPERSEDED	3A	11/08/2008 03:00	11/08/2008 02:28	11/08/2008 02:28:11	44.0	21.7	22.3	2	150
SUPERSEDED	3A	11/08/2008 04:00	11/08/2008 03:32	11/08/2008 03:32:12	50.0	25.7	24.3	2	150
SUPERSEDED	3A	11/08/2008 05:00	11/08/2008 04:31	11/08/2008 04:30:34	69.0	30.7	38.3	2	150
SUPERSEDED	3A	11/08/2008 06:00	11/08/2008 05:31	11/08/2008 05:29:29	74.0	54.0	20.0	0	0
SUPERSEDED	3A	11/08/2008 07:00	11/08/2008 06:33	11/08/2008 06:32:57	0.0	0.0	0.0	0	0
SUPERSEDED	3A	11/08/2008 08:00	11/08/2008 07:30	11/08/2008 07:29:55	25.0	0.0	25.0	0	0
SUPERSEDED	3A	11/08/2008 09:00	11/08/2008 08:30	11/08/2008 08:30:06	60.0	43.0	17.0	0	0
SUPERSEDED	3A	11/08/2008 10:00	11/08/2008 09:31	11/08/2008 09:30:35	16.0	0.0	16.0	0	0
SUPERSEDED	3A	11/08/2008 11:00	11/08/2008 10:27	11/08/2008 10:26:58	54.0	24.0	30.0	0	0
SUPERSEDED	3A	11/08/2008 12:00	11/08/2008 11:28	11/08/2008 11:28:11	66.0	34.0	32.0	0	0
SUPERSEDED	3A	11/08/2008 13:00	11/08/2008 12:27	11/08/2008 12:27:29	48.0	4.0	44.0	0	0
SUPERSEDED	3A	11/08/2008 14:00	11/08/2008 13:30	11/08/2008 13:30:19	74.0	27.0	47.0	0	0
SUPERSEDED	3A	11/08/2008 15:00	11/08/2008 14:28	11/08/2008 14:27:38	86.0	40.0	46.0	0	0
SUPERSEDED	3A	11/08/2008 16:00	11/08/2008 15:28	11/08/2008 15:28:10	78.0	39.0	39.0	0	0
SUPERSEDED	3A	11/08/2008 17:00	11/08/2008 16:27	11/08/2008 16:27:00	68.0	43.0	25.0	0	0
SUPERSEDED	3A	11/08/2008 18:00	11/08/2008 17:29	11/08/2008 17:28:39	52.0	27.0	25.0	0	0
SUPERSEDED	3A	11/08/2008 19:00	11/08/2008 18:28	11/08/2008 18:27:41	38.0	15.0	23.0	0	0
SUPERSEDED	3A	11/08/2008 20:00	11/08/2008 19:28	11/08/2008 19:28:01	49.0	24.0	25.0	0	0

SUPERSEDED	3A	11/08/2008 21:00	11/08/2008 20:29	11/08/2008 20:28:57	78.0	33.0	45.0	0	0
SUPERSEDED	3A	11/08/2008 22:00	11/08/2008 21:26	11/08/2008 21:26:00	34.0	0.0	34.0	2	150
SUPERSEDED	3A	11/08/2008 23:00	11/08/2008 22:26	11/08/2008 22:25:46	33.0	0.0	33.0	2	150
SUPERSEDED	3A	11/09/2008 00:00	11/08/2008 23:26	11/08/2008 23:25:39	37.0	0.0	37.0	2	150
SUPERSEDED	3A	11/09/2008 01:00	11/09/2008 00:26	11/09/2008 00:25:41	64.0	0.0	64.0	2	150
SUPERSEDED	3A	11/09/2008 02:00	11/09/2008 01:26	11/09/2008 01:26:01	74.0	16.8	57.2	2	150
SUPERSEDED	3A	11/09/2008 03:00	11/09/2008 02:30	11/09/2008 02:29:39	79.0	26.8	52.2	2	150
SUPERSEDED	3A	11/09/2008 04:00	11/09/2008 03:26	11/09/2008 03:25:42	42.0	0.0	42.0	2	150
SUPERSEDED	3A	11/09/2008 05:00	11/09/2008 04:27	11/09/2008 04:27:03	51.0	15.8	35.2	2	150
SUPERSEDED	3A	11/09/2008 06:00	11/09/2008 05:27	11/09/2008 05:26:43	69.0	50.0	19.0	0	0
SUPERSEDED	3A	11/09/2008 07:00	11/09/2008 06:27	11/09/2008 06:26:50	50.0	35.0	15.0	0	0
SUPERSEDED	3A	11/09/2008 08:00	11/09/2008 07:35	11/09/2008 07:34:26	68.0	52.0	16.0	0	0
SUPERSEDED	3A	11/09/2008 09:00	11/09/2008 08:28	11/09/2008 08:28:19	78.0	63.0	15.0	0	0
SUPERSEDED	3A	11/09/2008 10:00	11/09/2008 09:30	11/09/2008 09:30:10	96.0	79.0	17.0	0	0
SUPERSEDED	3A	11/09/2008 11:00	11/09/2008 10:27	11/09/2008 10:26:55	53.0	33.0	20.0	0	0
SUPERSEDED	5A	11/09/2008 12:00	11/09/2008 11:32	11/09/2008 11:31:26	75.0	0.0	75.0	14	74
SUPERSEDED	5A	11/09/2008 13:00	11/09/2008 12:28	11/09/2008 12:27:33	60.0	0.0	60.0	15	59
SUPERSEDED	5A	11/09/2008 14:00	11/09/2008 13:26	11/09/2008 13:25:49	54.0	0.0	54.0	13	45
SUPERSEDED	5A	11/09/2008 15:00	11/09/2008 14:26	11/09/2008 14:25:41	51.0	0.0	51.0	11	37
SUPERSEDED	5A	11/09/2008 16:00	11/09/2008 15:26	11/09/2008 15:25:37	48.0	0.0	48.0	12	41
SUPERSEDED	5A	11/09/2008 17:00	11/09/2008 16:26	11/09/2008 16:26:07	39.0	0.0	39.0	12	38
SUPERSEDED	5A	11/09/2008 18:00	11/09/2008 17:26	11/09/2008 17:25:37	14.0	0.0	14.0	2	2
SUPERSEDED	3A	11/09/2008 19:00	11/09/2008 18:28	11/09/2008 18:28:30	14.0	0.0	14.0	0	0
SUPERSEDED	3A	11/09/2008 20:00	11/09/2008 19:26	11/09/2008 19:26:03	0.0	0.0	0.0	0	0
SUPERSEDED	3A	11/09/2008 21:00	11/09/2008 20:25	11/09/2008 20:25:35	0.0	0.0	0.0	0	0
TERMINATED	0	11/09/2008 21:20	11/09/2008 21:08	11/09/2008 21:08:04	0.0	0.0	0.0	0	0

12/05/2008 10:30:15 (CST)

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Event Summary

FILE SAVED AS: SWPP_5203_20081107_0630.htm

Incident:	SWPP_5203_20081107_0630	Date: 11/07/2008	Reliability Coordinator: SWPP
Initial Conditions:	increasing flow		
Flowgate:	5203 - HppValPitVal	Rating: 315	LODF: 26.78%
TLR Direction:	Normal		
Effective StartTime:	11/07/2008 06:30	Effective EndTime: 11/09/2008 21:20	TLR Duration: 62 Hours and 50 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 MV	RC Ackn MV	Type	Mkt	IDC MV	RC Ackn MV	Current	Post Cont.	Cont. Flow		
					MW	Relief	MW	Relief	MW	Relief												
Nov 07 06:19	TLR 3B	CURRENT		NONE							NONE			ED-2	SWPP	0.0	0.0	201	307	396	N/A	
		NEXT	1-NS 2-NH Total	1 / 0 1 / 1 2 / 1	50 85 0	3.1 8.9 12.0	50 85 135	3.1 8.9 12.0	0 103 103	0.0 10.8 10.8	NONE			ED-2	SWPP	0.0	0.0					
Nov 07 07:28	TLR 3A	NEXT	2-NH Total	1 / 0 1 / 0	103 103	10.9 10.9	103 103	10.9 10.9	0 0	0.0 0.0	NONE			ED-2	SWPP	0.0	0.0	196	314	441	N/A	
Nov 07 08:29	TLR 3A	NEXT	2-NH Total	1 / 0 1 / 0	85 85	9.0 9.0	85 85	9.0 9.0	0 0	0.0 0.0	NONE			ED-2	SWPP	0.0	0.0	183	305	456	N/A	
Nov 07 09:34	TLR 3A	NEXT			NONE							NONE			ED-2	SWPP	0.0	0.0	164	299	506	N/A
Nov 07 10:28	TLR 3A	NEXT	2-NH Total	1 / 0 1 / 0	37 37	4.0 4.0	37 37	4.0 4.0	0 0	0.0 0.0	NONE			ED-2	SWPP	0.0	0.0	164	288	464	N/A	
Nov 07 11:31	TLR 3A	NEXT	2-NH Total	1 / 0 1 / 0	184 184	19.9 19.9	184 184	19.9 19.9	0 0	0.0 0.0	NONE			ED-2	SWPP	0.0	0.0	173	302	483	N/A	
Nov 07 12:26	TLR 3A	NEXT	2-NH Total	1 / 0 1 / 0	184 184	19.8 19.8	184 184	19.8 19.8	0 0	0.0 0.0	NONE			ED-2	SWPP	0.0	0.0	190	311	455	N/A	
Nov 07 13:26	TLR 3A	NEXT	2-NH Total	1 / 0 1 / 0	184 184	19.8 19.8	184 184	19.8 19.8	0 0	0.0 0.0	NONE			ED-2	SWPP	0.0	0.0	185	291	398	N/A	

Nov 07 14:26	TLR 3A	NEXT	2-NH Total	1 / 0 1 / 0	184 184	19.9 19.9	184 184	19.9 19.9	0 0	0.0 0.0	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 18.0 0.0 18.0	0.0 18.0 0.0 18.0	166	289	483	N/A
Nov 07 15:27	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 20.0 0.0 20.0	0.0 20.0 0.0 20.0	171	283	420	N/A
Nov 07 16:26	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 12.0 0.0 12.0	0.0 12.0 0.0 12.0	193	292	372	N/A
Nov 07 17:27	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 13.0 0.0 13.0	0.0 13.0 0.0 13.0	204	283	298	N/A
Nov 07 18:26	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 29.0 0.0 29.0	0.0 29.0 0.0 29.0	167	283	436	N/A
Nov 07 19:26	TLR 3A	NEXT	2-NH Total	1 / 0 1 / 0	200 200	22.1 22.1	200 200	22.1 22.1	0 0	0.0 0.0	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 15.0 0.0 15.0	0.0 15.0 0.0 15.0	176	299	463	N/A
Nov 07 20:29	TLR 3A	NEXT	2-NH Total	1 / 0 1 / 0	200 200	22.4 22.4	200 200	22.4 22.4	0 0	0.0 0.0	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 30.6 0.0 30.6	0.0 30.6 0.0 30.6	183	267	316	N/A
Nov 07 21:27	TLR 3A	NEXT	2-NH Total	2 / 0 2 / 0	300 300	28.4 28.4	300 300	28.4 28.4	0 0	0.0 0.0	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 26.6 0.0 26.6	0.0 26.6 0.0 26.6	189	298	408	N/A
Nov 07 22:26	TLR 3A	NEXT	2-NH Total	1 / 0 1 / 0	100 100	5.6 5.6	100 100	5.6 5.6	0 0	0.0 0.0	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 25.0 0.0 25.0	0.0 25.0 0.0 25.0	199	285	324	N/A
Nov 07 23:26	TLR 3A	NEXT	2-NH Total	2 / 0 2 / 0	150 150	8.4 8.4	150 150	8.4 8.4	0 0	0.0 0.0	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 16.6 0.0 16.6	0.0 16.6 0.0 16.6	188	286	366	N/A
Nov 08 00:32	TLR 3A	NEXT	2-NH Total	2 / 0 2 / 0	150 150	8.4 8.4	150 150	8.4 8.4	0 0	0.0 0.0	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 8.6 0.0 8.6	0.0 8.6 0.0 8.6	200	259	224	N/A
Nov 08 01:32	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 23.0 0.0 23.0	0.0 23.0 0.0 23.0	213	300	328	N/A
Nov 08 02:28	TLR 3A	NEXT	2-NH Total	2 / 0 2 / 0	150 150	8.3 8.3	150 150	8.3 8.3	0 0	0.0 0.0	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 14.0 0.0 14.0	0.0 14.0 0.0 14.0	195	297	383	N/A
Nov 08 03:32	TLR 3A	NEXT	2-NH Total	2 / 0 2 / 0	150 150	8.3 8.3	150 150	8.3 8.3	0 0	0.0 0.0	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 16.0 0.0 16.0	0.0 16.0 0.0 16.0	207	283	284	N/A

Nov 08 04:31	TLR 3A	NEXT	2-NH Total	2 / 0 2 / 0	150 150	8.3 8.3	150 150	8.3 8.3	0 0	0.0 0.0	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 30.0 0.0 30.0	0.0 30.0 0.0 30.0	204	288	240	N/A
Nov 08 05:31	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 20.0 0.0 20.0	0.0 20.0 0.0 20.0	205	285	301	N/A
Nov 08 06:33	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	171	283	421	N/A
Nov 08 07:30	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 25.0 0.0 25.0	0.0 25.0 0.0 25.0	174	277	388	N/A
Nov 08 08:30	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 17.0 0.0 17.0	0.0 17.0 0.0 17.0	191	297	398	N/A
Nov 08 09:31	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 16.0 0.0 16.0	0.0 16.0 0.0 16.0	182	310	481	N/A
Nov 08 10:27	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 30.0 0.0 30.0	0.0 30.0 0.0 30.0	164	294	489	N/A
Nov 08 11:28	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 32.0 0.0 32.0	0.0 32.0 0.0 32.0	181	297	435	N/A
Nov 08 12:27	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 44.0 0.0 44.0	0.0 44.0 0.0 44.0	175	295	450	N/A
Nov 08 13:30	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 47.0 0.0 47.0	0.0 47.0 0.0 47.0	169	308	512	N/A
Nov 08 14:28	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 46.0 0.0 46.0	0.0 46.0 0.0 46.0	165	309	539	N/A
Nov 08 15:28	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 39.0 0.0 39.0	0.0 39.0 0.0 39.0	165	297	498	N/A
Nov 08 16:27	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 25.0 0.0 25.0	0.0 25.0 0.0 25.0	187	300	425	N/A
Nov 08 17:29	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 25.0 0.0 25.0	0.0 25.0 0.0 25.0	189	288	385	N/A

Nov 08 18:28	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 23.0 0.0 23.0	0.0 23.0 0.0 23.0	51	191	526	N/A
Nov 08 19:28	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 25.0 0.0 25.0	0.0 25.0 0.0 25.0	171	309	518	N/A
Nov 08 20:29	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 45.0 0.0 45.0	0.0 45.0 0.0 45.0	164	298	504	N/A
Nov 08 21:26	TLR 3A	NEXT	2-NH Total	2 / 0 2 / 0	150 150	9.2 9.2	150 150	9.2 9.2	0 0	0.0 0.0	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 24.8 0.0 24.8	0.0 24.8 0.0 24.8	194	317	460	N/A
Nov 08 22:26	TLR 3A	NEXT	2-NH Total	2 / 0 2 / 0	150 150	9.1 9.1	150 150	9.1 9.1	0 0	0.0 0.0	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 23.9 0.0 23.9	0.0 23.9 0.0 23.9	214	314	376	N/A
Nov 08 23:26	TLR 3A	NEXT	2-NH Total	2 / 0 2 / 0	150 150	9.2 9.2	150 150	9.2 9.2	0 0	0.0 0.0	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 27.8 0.0 27.8	0.0 27.8 0.0 27.8	207	319	420	N/A
Nov 09 00:26	TLR 3A	NEXT	2-NH Total	2 / 0 2 / 0	150 150	9.2 9.2	150 150	9.2 9.2	0 0	0.0 0.0	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 54.8 0.0 54.8	0.0 54.8 0.0 54.8	191	314	480	N/A
Nov 09 01:26	TLR 3A	NEXT	2-NH Total	2 / 0 2 / 0	150 150	9.2 9.2	150 150	9.2 9.2	0 0	0.0 0.0	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 48.0 0.0 48.0	0.0 48.0 0.0 48.0	193	308	432	N/A
Nov 09 02:30	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 43.0 0.0 43.0	0.0 43.0 0.0 43.0	185	302	440	N/A
Nov 09 03:26	TLR 3A	NEXT	2-NH Total	2 / 0 2 / 0	150 150	9.2 9.2	150 150	9.2 9.2	0 0	0.0 0.0	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 32.8 0.0 32.8	0.0 32.8 0.0 32.8	173	292	448	N/A
Nov 09 04:27	TLR 3A	NEXT	2-NH Total	2 / 0 2 / 0	150 150	9.2 9.2	150 150	9.2 9.2	0 0	0.0 0.0	NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 26.0 0.0 26.0	0.0 26.0 0.0 26.0	189	316	478	N/A
Nov 09 05:27	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 19.0 0.0 19.0	0.0 19.0 0.0 19.0	183	304	454	N/A
Nov 09 06:27	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 15.0 0.0 15.0	0.0 15.0 0.0 15.0	182	312	488	N/A
Nov 09 07:35	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 16.0 0.0 16.0	0.0 16.0 0.0 16.0	196	352	584	N/A

Nov 09 08:28	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 15.0 0.0 15.0	0.0 15.0 0.0 15.0	170	298	480	N/A
Nov 09 09:30	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 17.0 0.0 17.0	0.0 17.0 0.0 17.0	181	312	491	N/A
Nov 09 10:27	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 20.0 0.0 20.0	0.0 20.0 0.0 20.0	196	325	484	N/A
Nov 09 11:32	TLR 5A	NEXT	7-F Total	14 / 0 14 / 0	74 74	7.1 7.1	74 74	7.1 7.1	0 0	0.0 0.0	NONE	ED-2 ED-8 FIRM-7 FIRM-CREDIT Total	SWPP SWPP SWPP SWPP	0.0 22.0 46.0 0.0 68.0	0.0 22.0 46.0 0.0 68.0	191	309	443	N/A
Nov 09 12:28	TLR 5A	NEXT	7-F Total	15 / 0 15 / 0	59 59	5.7 5.7	59 59	5.7 5.7	0 0	0.0 0.0	NONE	ED-2 ED-8 FIRM-7 FIRM-CREDIT Total	SWPP SWPP SWPP SWPP	0.0 20.0 34.7 0.0 54.7	0.0 20.0 34.7 0.0 54.7	205	319	428	N/A
Nov 09 13:26	TLR 5A	NEXT	7-F Total	13 / 0 13 / 0	45 45	4.4 4.4	45 45	4.4 4.4	0 0	0.0 0.0	NONE	ED-2 ED-8 FIRM-7 FIRM-CREDIT Total	SWPP SWPP SWPP SWPP	0.0 15.0 34.8 0.0 49.8	0.0 15.0 34.8 0.0 49.8	198	313	432	N/A
Nov 09 14:26	TLR 5A	NEXT	7-F Total	11 / 0 11 / 0	37 37	3.7 3.7	37 37	3.7 3.7	0 0	0.0 0.0	NONE	ED-2 ED-8 FIRM-7 FIRM-CREDIT Total	SWPP SWPP SWPP SWPP	0.0 16.0 31.3 0.0 47.3	0.0 16.0 31.3 0.0 47.3	196	315	446	N/A
Nov 09 15:26	TLR 5A	NEXT	7-F Total	12 / 0 12 / 0	41 41	4.1 4.1	41 41	4.1 4.1	0 0	0.0 0.0	NONE	ED-2 ED-8 FIRM-7 FIRM-CREDIT Total	SWPP SWPP SWPP SWPP	0.0 11.0 33.0 0.0 44.0	0.0 11.0 33.0 0.0 44.0	193	319	471	N/A
Nov 09 16:26	TLR 5A	NEXT	7-F Total	12 / 0 12 / 0	38 38	3.8 3.8	38 38	3.8 3.8	0 0	0.0 0.0	NONE	ED-2 ED-8 FIRM-7 FIRM-CREDIT Total	SWPP SWPP SWPP SWPP	0.0 4.0 31.2 0.0 35.2	0.0 4.0 31.2 0.0 35.2	192	302	412	N/A
Nov 09 17:26	TLR 5A	NEXT	7-F Total	2 / 0 2 / 0	2 2	0.2 0.2	2 2	0.2 0.2	0 0	0.0 0.0	NONE	ED-2 ED-8 FIRM-7 FIRM-CREDIT Total	SWPP SWPP SWPP SWPP	0.0 13.0 0.9 0.0 13.9	0.0 13.0 0.9 0.0 13.9	204	303	372	N/A
Nov 09 18:26	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7 Total	SWPP SWPP SWPP	0.0 14.0 0.0 14.0	0.0 14.0 0.0 14.0	190	303	424	N/A
Nov 09 19:26	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	185	306	452	N/A
Nov 09 20:25	TLR 3A	NEXT	NONE								NONE	ED-2 ED-8 FIRM-7	SWPP SWPP SWPP	0.0 0.0 0.0	0.0 0.0 0.0	194	310	434	N/A

					Total		0.0	0.0				
Nov 09 21:08	TLR 0	CURRENT	NONE	NONE	NONE				194	277	311	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	1	50	50	0
2	37	3848	3848	103
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
7	79	298	298	0
Total	117	3992	3992	103

TLR Market Flow Totals

Market	Type	Market Relief	
		IDC MW	RC Ackn MW
SWPP	ED-2	0.0	0.0
	ED-6	1308.4	1308.5
	FIRM-7	212.1	211.9
Total for SWPP		1518.4	1518.4
Total		1518.4	1518.4

	A	B	C	D
1	Reliability Log for November, 9			2008
2	Time	Initials	Comments	
4	0025	RGH	Re-issued TLR Level 3A on HppValPitVal Flgt. 5203.	
5	0126	RGH	Re-issued TLR Level 3A on HppValPitVal Flgt. 5203.	
7	0229	RGH	Re-issued TLR Level 3A on HppValPitVal Flgt. 5203.	
9	0325	RGH	Re-issued TLR Level 3A on HppValPitVal Flgt. 5203.	
11	0427	RGH	Re-issued TLR Level 3A on HppValPitVal Flgt. 5203.	
13	0526	RGH	Re-issued TLR Level 3A on HppValPitVal Flgt. 5203.	
17	0626	RST	Re-issued TLR Level 3A on HppValPitVal Flgt. 5203.	
20	0735	RST	Re-issued TLR Level 3A on HppValPitVal Flgt. 5203.	
25	0828	RST	Re-issued TLR Level 3A on HppValPitVal Flgt. 5203.	
30	0930	RST	Re-issued TLR Level 3A on HppValPitVal Flgt. 5203.	
34	1026	RST	Re-issued TLR Level 3A on HppValPitVal Flgt. 5203.	
38	1131	RST	Re-issued TLR Level 5A on HppValPitVal Flgt. 5203. To control loading using market & tags.	
41	1227	RST	Re-issued TLR Level 5A on HppValPitVal Flgt. 5203.	
44	1325	RST	Re-issued TLR Level 5A on HppValPitVal Flgt. 5203.	
47	1425	RST	Re-issued TLR Level 5A on HppValPitVal Flgt. 5203.	
50	1525	RST	Re-issued TLR Level 5A on HppValPitVal Flgt. 5203.	
53	1626	RST	Re-issued TLR Level 5A on HppValPitVal Flgt. 5203.	
56	1725	RST	Re-issued TLR Level 5A on HppValPitVal Flgt. 5203.	
60	1828	RGH	Re-issued TLR Level 3A on HppValPitVal Flgt. 5203.	
63	1926	RGH	Re-issued TLR Level 3A on HppValPitVal Flgt. 5203.	
67	2025	RGH	Re-issued TLR Level 3A on HppValPitVal Flgt. 5203.	
68	2108	RGH	Re-issued TLR Level 0 on HppValPitVal Flgt. 5203.	
69	2140	RGH	Issued TLR Level 3A on HppValPitVal Flgt. 5203.	
70	2228	RGH	Issued TLR Level 3A on HppValPitVal Flgt. 5203.	
71	2325	RGH	Issued TLR Level 3A on HppValPitVal Flgt. 5203.	

5203 11-9-2008

