

**ICTE TLR 5 Investigation Report**  
**Flowgate 1966**  
**(Sheridan - Mabelvale 500 kV for the loss of White Bluff - Keo 500 kV)**  
**TLR Level 5: June 23, 2010**  
**Report Issued:**

**1. Description of purpose/cause of hold/curtailment.**

This report is submitted in accordance with the NERC Transmission Loading Relief Investigation Procedure for the TLR 5 event that occurred on Flowgate 1966 on June 23, 2010. Flowgate 1966 is an Entergy flowgate. The TLR 5 was in effect from 11:37 AM until 8:34 PM on June 23, 2010. Projected post-contingent flows on the Sheridan - Mabelvale 500 kV line for the loss of the White Bluff - Keo 500 kV line exceeded the SOL.

**2. Facility/flowgate limitations and flows at the time the TLR was initiated.**

At the time the TLR 5a was issued, the Limiting Element was rated at 1732 MVA. Flow on the Limiting Element was 920 MVA. Flow on the Contingent Element was 1346 MVA. The LODF was approximately 76%. Post-contingent flow on the Limiting Element was approximately 1943 MVA.

**3. TLR levels, timing, and relief requested amounts.**

TLRs levels, timing and relief requested amounts are shown on pages 2, 3 and 4.

**4. Transmission and generation outages or changes from prediction that may have contributed.**

There were no unplanned outages.

**5. Procedures implemented prior to hold/curtailment.**

Curtailed non-firm transactions, not enough non-firm to alleviate the flowgate.

**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 ICTE Reliability Coordinators logged information describing the actions taken at each issuance of the TLR.

**9. Flowgate limitations as identified by security analysis processes conducted by the Reliability Authority for the day prior to the TLR event.**

In the next day process, we did see an issue with this flowgate, based off of the peak study.

**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 ICTE Reliability Coordinator was monitoring their state estimator for potential issues during this time. Screen shots were taken during each issuance of the TLR level 5.

**11. ATC limitations before, during, and after the TLR event.**

ICT Tariff Administration grants transmission service using an AFC process. This process evaluates each transmission request on a case by case basis. There are no ATC values for individual corridors to or from the Entergy system. ICT Tariff Administration was not granting any transmission requests that impacted the congested flowgate by 3 % or greater at the time of the TLR 5.

**12. Description of actions taken to avoid future hold/curtailments.**

This TLR was caused by a combination of generation patterns, load, and system flows. Due to this situation, no actions were taken to avoid future hold/curtailments.

**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 kept on file. These screen shots are not being provided to reduce the size of this report

**14. Re-dispatch actions taken.**

Entergy achieved their NNL obligation by moving generation on White Bluff.

| Event History                |                  |  |                     |                  |                  |                 |            |      |
|------------------------------|------------------|--|---------------------|------------------|------------------|-----------------|------------|------|
| Issuing RC:                  |                  | ICTE   |                     |                  |                  |                 |            |      |
| Flowgate:                    |                  | 1966 - Sheridan - Mabelvale 500kv ftlo White Bluff - Keo 500kv |                     |                  |                  |                 |            |      |
| Event Begin:                 |                  | 2010-06-23 09:30   |                     |                  |                  |                 |            |      |
| Event End:                   |                  | 2010-06-23 21:35   |                     |                  |                  |                 |            |      |
| Event Duration:              |                  | 12 Hours   |                     |                  |                  |                 |            |      |
| TLR Level                    | TLR Date         | TLR Confirm Time   | Run Time            | Requested Relief | Remaining Relief | Relief Provided | Total Cuts |      |
|                              |                  |  |                     |                  |                  |                 | Tags       | MW   |
| <a href="#">TLR Level 3B</a> | 06/23/2010 09:30 | 06/23/2010 09:10   | 06/23/2010 09:09:19 | 100.0            | 0.0              | 100.5           | 8          | 542  |
| <a href="#">TLR Level 4</a>  | 06/23/2010 09:45 | 06/23/2010 09:33   | 06/23/2010 09:32:15 | 0.0              | 0.0              | 0.0             | 18         | 1249 |
| <a href="#">TLR Level 5A</a> | 06/23/2010 11:00 | 06/23/2010 10:37   | 06/23/2010 10:37:01 | 284.0            | 0.0              | 289.2           | 61         | 820  |
| <a href="#">TLR Level 5A</a> | 06/23/2010 12:00 | 06/23/2010 11:30   | 06/23/2010 11:28:01 | 152.0            | 0.0              | 280.1           | 64         | 825  |
| <a href="#">TLR Level 5A</a> | 06/23/2010 13:00 | 06/23/2010 12:35   | 06/23/2010 12:31:11 | 146.0            | 0.0              | 276.0           | 68         | 851  |
| <a href="#">TLR Level 5A</a> | 06/23/2010 14:00 | 06/23/2010 13:31   | 06/23/2010 13:27:08 | 153.0            | 0.0              | 279.0           | 67         | 841  |
| <a href="#">TLR Level 5A</a> | 06/23/2010 15:00 | 06/23/2010 14:30   | 06/23/2010 14:28:40 | 146.0            | 0.0              | 279.4           | 67         | 880  |
| <a href="#">TLR Level 5A</a> | 06/23/2010 16:00 | 06/23/2010 15:28   | 06/23/2010 15:26:41 | 166.0            | 0.0              | 290.8           | 61         | 713  |
| <a href="#">TLR Level 5A</a> | 06/23/2010 17:00 | 06/23/2010 16:27   | 06/23/2010 16:26:11 | 179.0            | 0.0              | 315.3           | 65         | 829  |
| <a href="#">TLR Level 5A</a> | 06/23/2010 18:00 | 06/23/2010 17:30   | 06/23/2010 17:28:07 | 214.0            | 0.0              | 360.5           | 61         | 709  |
| <a href="#">TLR Level 5A</a> | 06/23/2010 19:00 | 06/23/2010 18:29   | 06/23/2010 18:28:34 | 234.0            | 0.0              | 400.6           | 60         | 603  |
| <a href="#">TLR Level 5A</a> | 06/23/2010 20:00 | 06/23/2010 19:28   | 06/23/2010 19:25:45 | 77.0             | 0.0              | 239.9           | 51         | 476  |
| <a href="#">TLR Level 1</a>  | 06/23/2010 20:35 | 06/23/2010 20:26   | 06/23/2010 20:25:52 | 0.0              | 0.0              | 0.0             | 0          | 0    |
| <a href="#">TLR Level 0</a>  | 06/23/2010 21:35 | 06/23/2010 21:22   | 06/23/2010 21:21:27 | 0.0              | 0.0              | 0.0             | 0          | 0    |

### Event Summary

FILE SAVED AS: ICTE\_1966\_20100623\_0930.htm

Incident: ICTE\_1966\_20100623\_0930 Date: 06/23/2010 Reliability Coordinator: ICTE

Initial Conditions: N/A

Flowgate: 1966 - Sheridan - Mabelvale 500kv ftl... Rating: 1732 LODF: 76.29%

TLR Direction: Normal

Effective StartTime: 06/23/2010 09:30 Effective EndTime: 06/23/2010 21:35 TLR Duration: 12 Hours and 5 Minutes

### TLR Actions

| Confirm Time | Level  | Effective Hour | Priority     | Schedule              |             |              |                    |              |           | NHL Relief |              |              | Market Relief |              |      | Flow         |              |         | TLR Action Comments |            |            |
|--------------|--------|----------------|--------------|-----------------------|-------------|--------------|--------------------|--------------|-----------|------------|--------------|--------------|---------------|--------------|------|--------------|--------------|---------|---------------------|------------|------------|
|              |        |                |              | Total Tags Cut / Hold | IDC Cut     |              | RC Cut Acknowledge |              | Hold      |            | CA           | IDC MW       | RC Actn MW    | Type         | Mkt  | IDC MW       | RC Actn MW   | Current |                     | Post Cont. | Cont. Flow |
| Jun 23 09:10 | TLR 3B | CURRENT        | 1-NS         | 2 / 0                 | 52          | 3.5          | 52                 | 3.5          | 0         | 0.0        | NONE         |              |               | ED-2         | SWPP | 0.0          | 0.0          | 737     | 1805                | 1335       | N/A        |
|              |        |                | 2-NH         | 6 / 0                 | 450         | 97.0         | 490                | 97.0         | 0         | 0.0        |              |              |               | ED-5         | SWPP | 55.0         | 55.0         |         |                     |            |            |
|              |        |                | <b>Total</b> | <b>8 / 0</b>          | <b>1670</b> | <b>100.5</b> | <b>542</b>         | <b>100.5</b> | <b>0</b>  | <b>0.0</b> |              |              |               | <b>Total</b> |      | <b>55.0</b>  | <b>55.0</b>  |         |                     |            |            |
|              |        | NEXT           | 1-NS         | 1 / 0                 | 2           | 0.1          | 2                  | 0.1          | 0         | 0.0        | NONE         |              |               | ED-2         | SWPP | 0.0          | 0.0          |         |                     |            |            |
|              |        |                | 2-NH         | 0 / 0                 | 201         | 45.8         | 195                | 42.3         | 0         | 0.0        |              |              |               | ED-5         | SWPP | 25.0         | 25.0         |         |                     |            |            |
|              |        |                | <b>Total</b> | <b>21 / 1</b>         | <b>1670</b> | <b>193.2</b> | <b>1260</b>        | <b>189.6</b> | <b>70</b> | <b>3.8</b> |              |              |               | <b>Total</b> |      | <b>25.0</b>  | <b>25.0</b>  |         |                     |            |            |
| Jun 23 09:33 | TLR 4  | CURRENT        | 2-NH         | 4 / 0                 | 89          | 9.7          | 89                 | 9.7          | 0         | 0.0        | NONE         |              |               | ED-2         | SWPP | 0.0          | 0.0          | 832     | 1851                | 1338       | N/A        |
|              |        |                | 5-NN         | 14 / 0                | 1160        | 100.2        | 1160               | 100.2        | 0         | 0.0        |              |              |               | ED-5         | SWPP | 0.0          | 0.0          |         |                     |            |            |
|              |        |                | <b>Total</b> | <b>18 / 0</b>         | <b>2653</b> | <b>169.9</b> | <b>1249</b>        | <b>169.9</b> | <b>0</b>  | <b>0.0</b> |              |              |               | <b>Total</b> |      | <b>0.0</b>   | <b>0.0</b>   |         |                     |            |            |
|              |        | NEXT           | 1-NS         | 1 / 0                 | 2           | 0.1          | 2                  | 0.1          | 0         | 0.0        | NONE         |              |               | NONE         |      |              |              |         |                     |            |            |
|              |        |                | 2-NH         | 0 / 0                 | 201         | 47.0         | 201                | 47.0         | 0         | 0.0        |              |              |               |              |      |              |              |         |                     |            |            |
|              |        |                | <b>Total</b> | <b>21 / 1</b>         | <b>2653</b> | <b>206.2</b> | <b>1404</b>        | <b>206.2</b> | <b>70</b> | <b>3.8</b> |              |              |               |              |      |              |              |         |                     |            |            |
| Jun 23 10:37 | TLR 5A | NEXT           | 1-NS         | 1 / 0                 | 2           | 0.1          | 2                  | 0.1          | 0         | 0.0        | EES          | 80.0         | 80.0          | ED-2         | SWPP | 0.0          | 0.0          | 920     | 1948                | 1345       | N/A        |
|              |        |                | 2-NH         | 1 / 0                 | 85          | 4.7          | 85                 | 4.7          | 0         | 0.0        | SOCO         | 32.0         | 32.0          | ED-5         | SWPP | 14.0         | 14.0         |         |                     |            |            |
|              |        |                | <b>Total</b> | <b>61 / 1</b>         | <b>820</b>  | <b>124.3</b> | <b>820</b>         | <b>124.3</b> | <b>50</b> | <b>7.2</b> | <b>Total</b> | <b>120.0</b> | <b>120.0</b>  | <b>Total</b> |      | <b>45.3</b>  | <b>45.3</b>  |         |                     |            |            |
| Jun 23 11:00 | TLR 5A | NEXT           | 1-NS         | 1 / 0                 | 2           | 0.1          | 2                  | 0.1          | 0         | 0.0        | EES          | 82.0         | 82.0          | ED-2         | SWPP | 0.0          | 0.0          | 889     | 1754                | 1134       | N/A        |
|              |        |                | 2-NH         | 2 / 0                 | 99          | 5.1          | 99                 | 5.1          | 0         | 0.0        | SOCO         | 31.0         | 31.0          | ED-5         | SWPP | 0.0          | 0.0          |         |                     |            |            |
|              |        |                | <b>Total</b> | <b>64 / 1</b>         | <b>196</b>  | <b>61.2</b>  | <b>196</b>         | <b>61.2</b>  | <b>20</b> | <b>2.7</b> | <b>Total</b> | <b>121.0</b> | <b>121.0</b>  | <b>Total</b> |      | <b>36.2</b>  | <b>36.2</b>  |         |                     |            |            |
| Jun 23 12:35 | TLR 5A | NEXT           | 1-NS         | 2 / 0                 | 55          | 3.7          | 55                 | 3.7          | 0         | 0.0        | EES          | 82.0         | 82.0          | ED-2         | SWPP | 0.0          | 0.0          | 894     | 1715                | 1078       | N/A        |
|              |        |                | 2-NH         | 2 / 0                 | 109         | 5.5          | 109                | 5.5          | 0         | 0.0        | SOCO         | 29.0         | 29.0          | ED-5         | SWPP | 0.0          | 0.0          |         |                     |            |            |
|              |        |                | <b>Total</b> | <b>57 / 1</b>         | <b>205</b>  | <b>92.7</b>  | <b>205</b>         | <b>92.7</b>  | <b>37</b> | <b>8.9</b> | <b>Total</b> | <b>119.0</b> | <b>119.0</b>  | <b>Total</b> |      | <b>34.7</b>  | <b>34.7</b>  |         |                     |            |            |
| Jun 23 13:31 | TLR 5A | NEXT           | 1-NS         | 2 / 0                 | 55          | 3.6          | 55                 | 3.6          | 0         | 0.0        | EES          | 84.0         | 84.0          | ED-2         | SWPP | 0.0          | 0.0          | 902     | 1702                | 1128       | N/A        |
|              |        |                | 2-NH         | 1 / 0                 | 93          | 4.7          | 93                 | 4.7          | 0         | 0.0        | SOCO         | 22.0         | 22.0          | ED-5         | SWPP | 0.0          | 0.0          |         |                     |            |            |
|              |        |                | <b>Total</b> | <b>67 / 0</b>         | <b>841</b>  | <b>123.1</b> | <b>841</b>         | <b>123.1</b> | <b>0</b>  | <b>0.0</b> | <b>Total</b> | <b>121.0</b> | <b>127.0</b>  | <b>Total</b> |      | <b>34.2</b>  | <b>34.2</b>  |         |                     |            |            |
| Jun 23 14:30 | TLR 5A | NEXT           | 1-NS         | 2 / 0                 | 55          | 3.6          | 55                 | 3.6          | 0         | 0.0        | EES          | 83.0         | 83.0          | ED-2         | SWPP | 0.0          | 0.0          | 885     | 1715                | 1092       | N/A        |
|              |        |                | 2-NH         | 1 / 0                 | 132         | 6.6          | 132                | 6.6          | 0         | 0.0        | SOCO         | 29.0         | 29.0          | ED-5         | SWPP | 0.0          | 0.0          |         |                     |            |            |
|              |        |                | <b>Total</b> | <b>57 / 0</b>         | <b>880</b>  | <b>124.4</b> | <b>880</b>         | <b>124.4</b> | <b>0</b>  | <b>0.0</b> | <b>Total</b> | <b>120.0</b> | <b>120.0</b>  | <b>Total</b> |      | <b>35.2</b>  | <b>35.2</b>  |         |                     |            |            |
| Jun 23 15:28 | TLR 5A | NEXT           | 1-NS         | 2 / 0                 | 55          | 3.6          | 55                 | 3.6          | 0         | 0.0        | EES          | 91.0         | 91.0          | ED-2         | SWPP | 0.0          | 0.0          | 970     | 1878                | 1183       | N/A        |
|              |        |                | 2-NH         | 6 / 0                 | 423         | 43.7         | 423                | 43.7         | 0         | 0.0        | SOCO         | 31.0         | 32.0          | ED-5         | SWPP | 0.0          | 0.0          |         |                     |            |            |
|              |        |                | <b>Total</b> | <b>61 / 0</b>         | <b>713</b>  | <b>118.1</b> | <b>713</b>         | <b>118.1</b> | <b>0</b>  | <b>0.0</b> | <b>Total</b> | <b>131.0</b> | <b>132.0</b>  | <b>Total</b> |      | <b>41.5</b>  | <b>41.5</b>  |         |                     |            |            |
| Jun 23 16:27 | TLR 5A | NEXT           | 1-NS         | 2 / 0                 | 55          | 3.7          | 55                 | 3.7          | 0         | 0.0        | EES          | 97.0         | 97.0          | ED-2         | SWPP | 0.0          | 0.0          | 934     | 1809                | 1148       | N/A        |
|              |        |                | 2-NH         | 1 / 0                 | 94          | 4.7          | 94                 | 4.7          | 0         | 0.0        | SOCO         | 33.0         | 33.0          | ED-5         | SWPP | 0.0          | 0.0          |         |                     |            |            |
|              |        |                | <b>Total</b> | <b>65 / 0</b>         | <b>829</b>  | <b>128.4</b> | <b>829</b>         | <b>128.4</b> | <b>0</b>  | <b>0.0</b> | <b>Total</b> | <b>140.0</b> | <b>140.0</b>  | <b>Total</b> |      | <b>46.9</b>  | <b>46.9</b>  |         |                     |            |            |
| Jun 23 17:30 | TLR 5A | NEXT           | 1-NS         | 1 / 0                 | 2           | 0.1          | 2                  | 0.1          | 0         | 0.0        | EES          | 111.0        | 111.0         | ED-2         | SWPP | 0.0          | 0.0          | 893     | 1751                | 1139       | N/A        |
|              |        |                | 2-NH         | 6 / 0                 | 427         | 44.3         | 427                | 44.3         | 0         | 0.0        | SOCO         | 38.0         | 38.0          | ED-5         | SWPP | 0.0          | 0.0          |         |                     |            |            |
|              |        |                | <b>Total</b> | <b>61 / 1</b>         | <b>709</b>  | <b>131.5</b> | <b>709</b>         | <b>131.5</b> | <b>34</b> | <b>2.0</b> | <b>Total</b> | <b>160.0</b> | <b>160.0</b>  | <b>Total</b> |      | <b>69.2</b>  | <b>69.2</b>  |         |                     |            |            |
| Jun 23 18:29 | TLR 5A | NEXT           | 1-NS         | 1 / 0                 | 2           | 0.1          | 2                  | 0.1          | 0         | 0.0        | EES          | 109.0        | 109.0         | ED-2         | SWPP | 0.0          | 0.0          | 827     | 1695                | 1139       | N/A        |
|              |        |                | 2-NH         | 6 / 0                 | 312         | 37.9         | 312                | 37.9         | 0         | 0.0        | SOCO         | 36.0         | 36.0          | ED-5         | SWPP | 39.0         | 39.0         |         |                     |            |            |
|              |        |                | <b>Total</b> | <b>60 / 1</b>         | <b>603</b>  | <b>127.3</b> | <b>603</b>         | <b>127.3</b> | <b>21</b> | <b>1.1</b> | <b>Total</b> | <b>158.0</b> | <b>158.0</b>  | <b>Total</b> |      | <b>115.4</b> | <b>115.4</b> |         |                     |            |            |
| Jun 23 19:28 | TLR 5A | NEXT           | 1-NS         | 1 / 0                 | 53          | 3.6          | 53                 | 3.6          | 0         | 0.0        | EES          | 52.0         | 52.0          | ED-2         | SWPP | 0.0          | 0.0          | 813     | 1651                | 1139       | N/A        |
|              |        |                | 2-NH         | 5 / 0                 | 314         | 38.7         | 314                | 38.7         | 0         | 0.0        | SOCO         | 19.0         | 19.0          | ED-5         | SWPP | 42.0         | 42.0         |         |                     |            |            |
|              |        |                | <b>Total</b> | <b>45 / 0</b>         | <b>476</b>  | <b>74.0</b>  | <b>476</b>         | <b>74.0</b>  | <b>0</b>  | <b>0.0</b> | <b>Total</b> | <b>76.0</b>  | <b>76.0</b>   | <b>Total</b> |      | <b>90.3</b>  | <b>90.3</b>  |         |                     |            |            |
| Jun 23 20:26 | TLR 1  | CURRENT        |              |                       |             |              |                    |              |           |            |              |              |               |              |      |              |              | 802     | 1376                | 1015       | N/A        |
| Jun 23 21:22 | TLR 0  | CURRENT        |              |                       |             |              |                    |              |           |            |              |              |               |              |      |              |              | 218     | 844                 | 821        | 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                    | 392          | 392                   | 0          |
| 2            | 30                    | 1718         | 1652                  | 0          |
| 3            | 0                     | 0            | 0                     | 0          |
| 4            | 0                     | 0            | 0                     | 0          |
| 5            | 0                     | 0            | 0                     | 0          |
| 6            | 105                   | 7768         | 7768                  | 140        |
| 7            | 539                   | 2190         | 2190                  | 152        |
| <b>Total</b> | <b>693</b>            | <b>12068</b> | <b>12002</b>          | <b>302</b> |

### TLR NNL Totals

| CA           | NNL Relief    |               |
|--------------|---------------|---------------|
|              | IDC MW        | RC Ackn MW    |
| EES          | 871.0         | 871.0         |
| SOCO         | 309.0         | 310.0         |
| TVA          | 88.0          | 88.0          |
| <b>Total</b> | <b>1266.0</b> | <b>1273.0</b> |

### TLR Market Flow Totals

| Market                | Type   | Market Relief |              |
|-----------------------|--------|---------------|--------------|
|                       |        | IDC MW        | RC Ackn MW   |
| SWPP                  | ED-2   | 0.0           | 0.0          |
|                       | ED-6   | 150.0         | 150.0        |
|                       | FIRM-7 | 453.9         | 453.9        |
| <b>Total for SWPP</b> |        | <b>603.9</b>  | <b>603.9</b> |
| <b>Total</b>          |        | <b>603.9</b>  | <b>603.9</b> |

|          |      |                      |   |
|----------|------|----------------------|---|
| 06/23/10 | 1006 | Flow Gate Assessment | Assessed as ICP PC 99%  |
| 06/23/10 | 1010 | TLR - 3b             | Issued TLR 3b PC 104% REF 268103  |
| 06/23/10 | 1030 | TLR - 5b             | Request Derwood at SOC to identify any known redispatch options that are available that would mitigate the loading on FG 1966 |
| 06/23/10 | 1033 | TLR - 4              | Issued TLR 4 PC 107%  |
| 06/23/10 | 1043 | TA Notification      | AFC zeroed until HE 1600  |
| 06/23/10 | 1137 | TLR - 5a             | Issued TLR 5A REF 268103  |
| 06/23/10 | 1228 | TLR - 5a             | Reissued TLR 5A   |
| 06/23/10 | 1331 | TLR - 5a             | Reissued TLR 5A   |
| 06/23/10 | 1335 | TLR - 5a             | Reissued TLR 5A   |
| 06/23/10 | 1528 | TLR - 5a             | Reissued TLR 5A   |
| 06/23/10 | 1543 | TA Notification      | AFC zeroed out until 2200   |
| 06/23/10 | 1628 | TLR - 5a             | Reissued TLR 5A   |
| 06/23/10 | 1727 | TLR - 5a             | re-issued TLR 5A  |

|          |      |          |  |
|----------|------|----------|--|
| 06/23/10 | 1830 | TLR - 5a | reissued TLR 5a, PC 102% EES NNL, 110.7, SOCO 37.9, TVA 11.3             |
| 06/23/10 | 1930 | TLR - 5a | reissued TLR 5a, PC 98%, EES NNL 109.2, SOCO 37.9, TVA 10.8              |
| 06/23/10 | 2030 | TLR - 5a | reissued TLR 5a, PC 97%, EES NNL, 51.8, SOCO 18.7, TVA 5.2               |
| 06/23/10 | 2130 | TLR - 1  | Issued TLR 1, PC 79%, (Ed) ICT Tariff notified that AFCs can be released |
| 06/23/10 | 2225 | TLR - 0  | Issued TLR 0, PC 49%   |