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| O.O. | ***17-00224***  ***17-01735***  ***17-04860*** | | | MISO No | ***1-13503240***  ***1-13868547***  ***1-13983296*** | File No. | 240801 |
| **Abnormal Operating Condition:** | | 230 kV Line M32R (Riel – Ridgeway – Transcona East)  230 kV Line R23R (Rosser – Ridgeway)  115 kV Line GS21 (Great Falls – Brokenhead) | | | | | |
| **Effective Dates:** | | | 2017-06-21 from 0600 to 2017-06-22 at 2200 CST  (2017-06-21 from 0600 to 2017-06-22 at 2200 EST) | | | | |
| **Standing Guide Reference:** | | | Study as per L. Ruchkall and K. Prystay - Generation Pattern 1 and 3 (Summer 301- 553 MW's) | | | | |

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| **Description of Work:** | M32R – Riel Protection and Commissioning work on 230 kV Breakers R15, R16 and M.O.Disconnect T51.  R23R – 230 kV R23R Ground Disc at Rosser needs to be replaced, the R23R MOD has a Corona ring that needs to be replaced and a hotspot to be adressed.  GS21 – Six year maintenance and trip testing on 115 kV Line GS21. |





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| ***Special Instructions to MHEB Operator:*** | **Export**:  If RTCA indicates that the loss of SR3 or GS22 will cause an overload on SG12, or the loss of K21W, will cause an overload on Bank 8, loss of K22W, will cause an overload on Bank 7, transfer from IESO may need to be curtailed.    **Import**: If RTCA indicates that the loss of ST5 or ST6 will cause overloads on WT34, or the loss of K21W, will cause an overload on Bank 8, loss of K22W, will cause an overload on Bank 7, transfer from IESO may need to be curtailed. |

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| **MISO North RC Notes:** | MH\_ONT\_E (Export) SOL = 216 MW  MH\_ONT\_W (Import) SOL = 225 MW  MH\_ONT\_E (Export)\_Transfer Limits\_SOL\_During\_Offloads = 140 MW  MH\_ONT\_W (Import)\_Transfer Limits\_SOL\_During\_Offloads = 130 MW |
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| **Special Instructions:** | **TOI Extensions** - This TOI may be extended until 23:59, by performing the following steps.  a) Verify system conditions to confirm there are no additional tie line facilities outages, or new internal MH outages.  b) Review RTCA to confirm there are no new contingencies.  c) Contact MISO to confirm there are no new outages, if there are no new outages provide notice to MISO that MH is extending the TOI.  d) Extend the outage in COLA  e) Update TLAP outage table  f) Provide notice to affected balancing authorities |

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| **Prepared By:** | J. Thompson | **Date:** | 2017 06 13 |

Copies to:

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Operating Order Ontario IESO

MISO – St. Paul MHEB OASIS

File 240801