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| O.O. | **18-00449**  **18-05878** | | MISO No. | **1-16781560** | File No. | 240806 |
| **Name of Outage:** | | 230kV line S60L St. Leon to Stanley  230kV line B10T Boundary to Tioga | | | | |
| **Effective Dates:** | | 2018-05-01 1500 to 2018-05-03 1200 CDT  (2018-05-01 1500 to 2018-05-03 1200 EST) | | | | |
| **Standing Guide Reference:** | | Study as per K. Long | | | | |

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| **System**  **Posturing** | N/A |
| **Description**  **of Work:** | Sectionalizing 230kV lines S94E and E93L. B10T forced out |



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| **Special Notes to MISO North RC** | A) During this prior outage condition generation curtailment of the St. Joseph and St. Leon wind farms concurrent with TLR on MHEX\_N may be required when Manitoba to USA flows are north to prevent post contingent overloads on G37C following a trip of B10T or M602F.  B) ) The SOL for MHEX\_S and MHEX\_ N are the same if the MISO RTCA and MISO Flowgate Monitoring Tool is unavailable prior to or during this outage. |

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| **Special Instructions to MHEB Operator:** | **A)** **TOI Extensions** – This TOI may be extended until 23:59 by performing the following steps:   1. Verify system conditions to confirm there are no additional tie line facilities outages, or new internal MH outages. 2. Review RTCA to confirm there are no new contingencies. 3. 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. 4. Extend the outage in COLA. 5. Update TLAP outage table. 6. Provide notice to affected balancing authorities   **B)** **When called upon by MISO for the supply of CRSG:**  If Real Time Contingency Analysis (RTCA) indicates a post contingent overload condition on Y51L for the contingent loss of D14S - redispatch MH generation to maintain CRSG delivery as per:   * Start Brandon Gas Generation and run up to 60 MW.   Brandon generation must be re-dispatched from HVDC generation at Dorsey   * After 60 MW re-dispatch is complete, should RTCA continue to indicate a post contingent overload condition on Y51L due to the contingent loss of D14S, continue to re-dispatch generation from Brandon gas in 10 MW increments until post contingent overload on Y51L has been mitigated. * The mitigation must be completed within 30 minutes. |

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| **Prepared By:** | Paul Grestoni | **Date:** | **05/01/2018** |
| **Revised By:** | Paul Grestoni | **Date:** | **05/02/2018** |

Copies to:

SPSO, System Control Centre NSSS, System Control Centre

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Operating Order Ontario IESO

MHEB OASIS MISO – St. Paul