

SIS Summary for Requests #779930 and 779932

Models used in this study correlated with the years 2002, 2004 and 2007. The results for the years 2003, 2005, 2006 and 2008 to 2023 were estimated from results of existing models. The results of the System Impact Study (SIS) for requests #779930 and 779932 for 350 and 250 MW from the New Rock River Generation to ALTE are as follows:

2002: Zero ATC from New Rock River Generation to ALTE is present. The limiting element is the Whitewater to Mukwonago 138 kV line for the contingent loss of the Sugar Creek to Whitewater 138 kV line. The distribution factor for this element is 0.10032.

2003: Zero ATC from New Rock River Generation to ALTE is present. The ATC was estimated from the results of the 2002 and 2004 models.

2004: Zero ATC from New Rock River Generation to ALTE is present. The limiting element is the Portage to Columbia 138 kV circuit 1 for the contingent loss of the Portage to Columbia 138 kV circuit 2. The distribution factor for this element is 0.07892.

2005: Zero ATC from New Rock River Generation to ALTE is present. The ATC was estimated from the results of the 2004 and 2007 models.

2006: Zero ATC from New Rock River Generation to ALTE is present. The ATC was estimated from the results of the 2004 and 2007 models.

2007: Zero ATC from New Rock River Generation to ALTE is present. The limiting element is the Paddock 138/69 kV transformer for the contingent loss of the Colley Road 138/69 kV transformer. The distribution factor for this element is 0.03848.

2008 to 2023: Zero ATC from New Rock River Generation to ALTE is present. The ATC was estimated from the results of the 2004 and 2007 models.

Summary for the Requests: Transmission service request #779930 and 779932 will be refused for the requested amount of 350 MW and 250 MW due to the lack of ATC.

A facilities study will be offered to determine what facilities are needed in order to grant the requested service. A contract to perform the facilities study will be sent for your approval and signature in the near future.