

**TRAVERSE CITY LIGHT AND POWER
REQUEST FOR BIDS
BARLOW SWITCH STATION ELECTRICAL TESTING**

Traverse City Light and Power is requesting bids for the completion of Electrical Acceptance Testing for two (2) 69kV SF6 Circuit Breakers, and two (2) 69kV Vacuum Circuit Switchers. The anticipated testing date is September 14th, 2020. The testing date will depend on construction progress and will be scheduled six weeks in advance.

Bids must include unit cost, and extended cost. Traverse City Light and Power is exempt from Michigan state sales taxes and will provide appropriate exemption certificate upon acceptance of the quote. Following acceptance by Traverse City Light and Power a Purchase Order will be issued to the successful vendor.

Bids must be submitted to the attention of Stephanie Tvardek at **Traverse City Light & Power, 1131 Hastings Street Traverse City, MI 49686** no later than 11:00am, Thursday, May 21, 2020. Electronic copies will NOT be accepted.

Traverse City Light and Power reserves the right to accept or reject any bid, waive technicalities, and to accept the bid deemed to be in the best interest of Traverse City Light and Power. Address all questions to Mr. Nicholas Winsemius, GRP Engineering.

FINAL REPORT REQUIREMENTS

The final report shall have a section for each piece of equipment tested summarizing the results for each test and stating the criteria in which the results were evaluated against. Supporting documentation, such as reports produced from the test equipment, shall be attached to the final report.

TESTING REQUIREMENTS

1. Perform insulation-resistance tests in accordance with NETA ATS from each pole-to-ground with breaker/switcher closed and across open poles at each phase.
2. Perform a contact/pole-resistance test.
3. Perform minimum pickup voltage tests on trip and close coils in accordance with manufacturer's published data.
4. Verify correct operation of any auxiliary features such as electrical close and trip operation, trip-free, and anti-pump function. Reset all trip logs and indicators.
5. Perform power-factor or dissipation-factor tests on each pole with the breaker open and on each phase with the breaker closed. (SF6 Circuit Breakers Only)
6. Perform a dielectric withstand voltage test in accordance with the manufacturer's published data. (Vacuum Circuit Switchers Only)

SITE LOCATION

Barlow Substation, 525 Barlow Street, Traverse City, MI 49686