

DISTRIBUTED ENERGY RESOURCES SYSTEM PROTECTION CHECKLIST

System protection philosophy and scheme Checklist.

- Relay Protection Scheme**
 - Breaker Fail Scheme and Timing
 - Phase and Ground Fault Protection
 - Open Phase Protection (3ph)
 - Over Frequency/Under Frequency Protection
 - Overvoltage/Undervoltage Protection
 - Generator Reverse Power
 - No back feed is allowed to Bluewater Power's system
 - Remote Trip (>500 kW, If applicable)
 - Protection Scheme Failures
 - Distributed Generator End Open (DGEO)
 - Low Set Block Signal (LSBS)
 - Anti-Islanding Protection
 - Disconnecting and Interrupting Device Details
 - Synchronization
 - Five (5) minutes time delay for connecting
 - Control and Monitoring Requirements

- Tripping Matrix**

- Distribution System Protection Coordination**