

Mount Beauty BPL System Description

The broadband signal originates at the Mount Beauty SP-Ausnet High Voltage (HV) switching facility. From here the signal travels a short distance via optical fiber cable where it is then placed onto a 22kV medium voltage (MV) line for area distribution. The MV line travels around the BPL enabled area.

Below is a photo of the Mt beauty high voltage (HV) switching yard.



MV-LV repeaters take the signal off the MV line (above line) and insert it onto the 240V LV line (below) for street distribution.



Capacitive coupling from the MV line to the BPL repeater.
The insulators shown contain the coupling device which take the BPL signal off the MV line and feed it to the repeater.



A repeater such as this one is placed on every third or fourth pole along each BPL enabled street. (We hope this pole can stand the extra weight!)



