

Affordability is the main deterrent to internet adoption in New Mexico and in many locations nationwide. So, our BarelasGig solution is focused on reducing cost, while also improving performance. Modern mmwave technology can provide multi-gigabit backhaul transport plus connect the last mile to a home or business. In some communities fiber has been laid to hospitals, libraries or community centers, but is too expensive to be connected the last mile of fiber to the homes (FTTH). Modern mmwave costs about one-tenth the cost of FTTH and is less disruptive, thus is the ideal cost-effective solution to connect that last mile without reducing bandwidth.

Modern MetroLinq dual-band and tri-band radios have superior robust performance and competitive costs. Where very low cost home installations are required, the MetroLinq equipment can be combined with other very low cost customer premise equipment (CPE), such as Cambium 5GHz antenna/radios. This network flexibility provides high performance internet service to both high-end businesses and low-end homes.

Once the City of Albuquerque activates their new public access fiber backbone, the fiber feed costs for the BarelasGig can be determined. Our target cost for the home subscriber could be no more than \$25/month for 25Mbps.