



Technical Capability Statement

Inventive Wireless of Nebraska, LLC dba Vistabeam has been in business deploying consumer broadband networks since 2004. Vistabeam started out in Nebraska and Wyoming in 2004 and expanded into Colorado in 2011. Fixed wireless has been used as the primary last mile technology but is adding fiber for last mile in higher density areas. Interconnections (middle-mile) are divided between lit fiber, dark fiber and microwave backhauled with higher capacity connections in the core and lower capacity at the edges of the network.

Currently, 8400 subscribers are being served by Vistabeam's broadband network.

Voice services are offered to broadband customers across the entirety of the network.

Vistabeam has successfully completed several state and local grant projects in Nebraska and Colorado and is currently a CAF2 reverse auction support winner and is building out to supported locations in Colorado, Nebraska and Wyoming. All of the grant projects were completed on-time or early.

Vistabeam is currently providing 100/100 broadband connections using fiber and dedicated fixed wireless connections in the Nebraska towns of Alliance, Bridgeport, Gering, Imperial, Mitchell, Ogallala, Scottsbluff and Sidney.

Vistabeam is currently providing 1000/1000 broadband connections using fiber in Chappell, Mitchell and Morrill.

This project will be resilient in the long term due to the extensive planning, experience and capabilities of the Vistabeam Infrastructure team and the hybrid network design that combines the best features of fiber, fixed wireless and redundant middle-mile connections that will feed this project. The project will be sustainable in the long term due to the long life of the fiber plant and ability to upgrade to nearly any speed requirement in the future.

Vistabeam is already serving broadband in Bayard with fixed wireless broadband and will continue to use the same staff to serve the area when the fiber project is complete. Vistabeam currently has an infrastructure staff of 35 people working out of locations in Mitchell, Scottsbluff, Gering in Nebraska, Laramie in Wyoming and Yuma in Colorado.

The service area will be maintained through regular visits to add, remove and upgrade equipment as needed, scheduled inspections of the plant and maintenance of electronics and battery backup. Vistabeam has a large customer base in the area and will add more staff in the future as the number of customers increases.