**Technical Capability Statement: Applicants/Service Providers must include a statement including: (a) A description of the applicant's experience providing broadband and whether they currently provide broadband at the minimum 100Mbps/100Mbps speeds. (b) The useful life of the facilities to be built and how the service area will be maintained throughout the useful life of the facilities. (c) How the project will resilient and sustainable in the long-term. This statement should also include the number and skill level of technical staff that will be dedicated to serving the project area once the project is complete. (d) The expected useful life of the facilities to be built including a statement as to the technological components used, and, if applicable, which components may require more frequent repair or replacement. (e) A detailed description of the proposed network architecture including homes passed, fiber miles, and the specific technology to be used to provide service to end users. (f) Describe their technical capability to meet the requirement to provide a minimum 100/100 Mbps in all locations that receive grant funding, and their plans to meet the minimum statutory technical and speed requirements in place for the NBBP throughout the 15-year period.**

ALLO Communications is a telecommunications company offering internet, broadband, telephone, and television to residents and businesses through fiber-based networks.

We provide broadband service through an all Fiber-to-the-Premise (FTTP) network. ALLO has designed, constructed, maintained, and provided services for ubiquitous FTTP networks since 2004 and continues to operate in markets totaling over 1 million in population. Cities with populations of 1,400 to 290,000 are included in this total, representing the depth of ALLO's model.

ALLO has more than 140,000 lines in service all through FTTP. ALLO's offerings provide service to residents, businesses, schools, and government entities, creating gigabit societies. ALLO has over 100,000 customers and generates more than $100 million in annual revenue.

The proposed ALLO fiber network for South Sidney will consist of 3.1 Total Project Area Fiber Miles and pass 37 addresses.

Our growth and success are reinforced by a stellar reputation for customer service, technical capabilities, experienced personnel, and superior products. We provide customers with the most modern network while employing a team of engineers, operators, and technical experts who are constantly working with customers to develop creative ways to utilize the immense capacity on ALLO's fiber network and better serve our customers.

ALLO provides (or is in the process of providing) ubiquitous gigabit services in the following communities:

| City/State | Date | Population[1] |
|---|---|---|
| Lincoln, NE | 2015 | 292,657 |
| Yuma County, AZ | 2022 | 206,990 |
| Greeley, CO | 2021 | 109,323 |

[1] Population totals via 2021 U.S. Census Bureau

| City/State | Date | Population[1] |
|---|---|---|
| Bellevue, NE | 2022 | 63,737 |
| Lake Havasu City, AZ | 2021 | 58,284 |
| Grand Island, NE | 2021 | 52,335 |
| Kingman / New Kingman-Butler, AZ | 2022 | 46,729 |
| Brighton, CO | 2022 | 40,693 |
| San Luis, AZ | 2022 | 37,333 |
| Kearney, NE | 2021 | 33,959 |
| Erie, CO | 2022 | 31,686 |
| Fremont, NE | 2021 | 27,373 |
| Hastings, NE | 2018 | 25,037 |
| Norfolk, NE | 2020 | 24,967 |
| Columbus, NE | 2021 | 24,123 |
| Papillion, NE | 2022 | 24,105 |
| North Platte, NE | 2011 | 22,978 |
| La Vista, NE | 2022 | 16,648 |
| Scottsbluff, NE | 2005 | 14,282 |
| Fort Morgan, CO | 2018 | 11,439 |
| York, NE | 2022 | 8,133 |
| Seward, NE | 2022 | 7,693 |
| Gering, NE | 2006 | 8,435 |
| Alliance, NE | 2007 | 7,971 |
| Sidney, NE | 2022 | 6,439 |
| Wayne, NE | 2021 | 5,990 |
| Eaton, CO | 2022 | 5,868 |
| Breckenridge, CO | 2019 | 5,024 |
| Gretna, NE | 2022 | 5,088 |
| Ogallala, NE | 2010 | 4,878 |
| Waverly, NE | 2022 | 4,279 |
| Ashland, NE | 2022 | 3,086 |
| Hudson, CO | 2021 | 1,651 |
| Valentine, NE | 2021 | 2,633 |
| Milford, NE | 2022 | 2,155 |
| Imperial, NE | 2019 | 2,068 |
| Bridgeport, NE | 2010 | 1,454 |

In each community and region, ALLO designs and builds a competitive network becoming the preferred solution for residents, businesses, and governments, while typically maintaining ownership and always operating the network.

## Residential and Commercial Gigabit Service

ALLO provides ubiquitous 1+ Gbps service with symmetrical speeds (delivering the same download and upload speeds) to entities including residences, businesses, and government entities. The standard residential offerings are symmetrical speeds at 500 Mbps, 1 Gbps, and 2.3 Gbps.

Independently, in June 2022, PCMag listed ALLO as the 5th fastest ISP in the United States and 2nd fastest in the North Central Region with a 289 upload and 309 download average (Nebraska communities). Speeds were derived from customers visiting speedtest.net.

We do not utilize data caps. Unfettered access is a key component of ALLO's FTTP networks. The ability to provide broadband and internet without data caps or other limits is essential to quality service.

ALLO's network is designed to provide 10 Gbps symmetrical service to all households with currently offered speeds up to 2.3 Gbps. ALLO offers and supports broadband services to commercial entities up to 100 Gbps. The network is scalable for enterprise users.

## Technology

ALLO's all-fiber network capable of GPON, NGPON2, and active internet solutions will create a 30+ year solution. Content caching, redundancy, and evolving communications and entertainment solutions will create a competitive advantage for the community.

The network model is GPON-based with active availability. ALLO's XGS GPON network is designed to be upgradeable for faster broadband speeds as demanded by the community and technological advances.

By utilizing world-class technology (Calix, OFS, Metaswitch, and Ericsson) and ALLO's processes, the network will be dependable and reliable, while providing technologically advanced solutions.

Connections from the easement to the home or building will be powered using a common GPON solution. A homogenous network ensures a cost-efficient design with network dependability and security. ALLO utilizes a Calix GPON solution from the central office to the Wi-Fi6 router.

Connectivity for large businesses and large governmental entities will be provided with individualized solutions (such as Calix, Adtran, and Cisco), including active Ethernet connections and fully redundant paths and entrances, when required. The standard network design will accommodate both GPON and active solutions.

ALLO chooses equipment with the ability to handle the newest devices and increased speeds. Our solutions include the Gigacenter Wi-Fi router. The Gigacenter provides for a home or SMB-based network interface device for a consistent wireless experience and is included in our installations.

The newest powerhouse router provides wireless connections, increased network capacity, and is Wi-Fi 6 certified. The Blast gives homes and small businesses an upgraded signal, stronger connections on all devices, and increased speeds for faster online activity.

Low latency and jitter are important, possibly more so than the above stated speeds. Additionally, local caching and direct connections to high-volume internet sites improve the internet experience.

ALLO fiber networks are designed to be a perpetual business with appropriate upgrades for the future. Existing networks have been operational for almost 20 years and are expected to be utilized for 30+ additional years.

## Facilities/Reliability/Redundancy

ALLO provides broadband service through an all FTTP network. ALLO's pure fiber-optic service connects directly to homes or businesses. Fiber-optic cables, rather than copper or coaxial cables, provide faster and more reliable services, even during peak usage times.

We utilize proven methods to ensure long-term success including burying passings in conduit, protected aerial fiber, and techniques designed to support a 30+ year project.

ALLO's design includes a central office with electronics in a secure facility with redundant power solutions, connectivity, and telco-grade dependability. The central office powers the fiber, and the only other electronics exist at customer or carrier sites.

We design the fiber paths to provide fiber redundancy for the backbone and distribution network. ALLO's central offices are designed with complete redundancy between offices with two different carrier interconnection points ensuring a cable cut or carrier outage does not isolate the community or region in the community.

ALLO utilizes carrier and route redundant paths to internet providers and other carriers.

ALLO's current network solutions include numerous network-to-network interfaces, as well as connections to internet exchanges, local caching, direct connections to content providers, and utilization of three independent internet drains. This approach increases reliability and performance of the network.

## Network Operations (NOC)/Customer Service

ALLO operates all of our networks with the same professionalism by utilizing consistent technology, equipment, processes, and systems. ALLO will provide incremental personnel, systems, etc. to ensure a successfully operated network.

ALLO's customer service and support are the cornerstones of the customer experience. Proven processes and service expectations have resulted in ALLO's high customer acquisition and retention record.

ALLO will utilize our proven products and service model to support customers. With an experienced team of 1,350+ customer support personnel, ALLO's solution provides customer service excellence and is extremely scalable. Technicians, customer support representatives, sales engineers, and sales personnel hired and located in the area will be supported by ALLO's 24/7/365 Network Operations Center (NOC) and existing customer service representatives to ensure the network is performing for all customers.

Customers can contact customer service via phone, email, text, social media, or our app and communicate with live representatives located in Nebraska. We pride ourselves on our consistent customer service process which includes very short wait times, minimal transfers, and a goal of issue resolution on the first call.

ALLO has 20 years of experience operating and expanding networks as our communities grow and have ever changing bandwidth demands.

## Network Management

ALLO has proven processes for managing the local network, including evaluating data to verify bandwidth sufficiency, evaluating alarms, monitoring overall performance, and escalating issues.

ALLO maintains sparing protocols, disaster plans and recovery testing, appropriate employee staffing, and other business processes to ensure uninterrupted service. ALLO's network management provides 24/7/365 service and support.

The network will be managed and operated using traditional service and support methods, which has been standard at ALLO for more than a decade. ALLO will control upgrades, releases, and other impacts to the overall network.

ALLO maintains the appropriate systems for network deployment and maintenance to operate a 24/7/365 network and support including 99.999% service up-time. The programs utilized are substantial and appropriate for ALLO's network.

## Leadership Team

ALLO's corporate leadership team follows. These individuals provide focus across all functions and lead more than 1,350 ALLO associates.

**Brad Moline** serves as President and Chief Executive Officer. Under his management, ALLO has successfully provided (or is in the process of providing) FTTP services to 38 communities throughout Nebraska, Colorado, and Arizona.

**Allison O'Neil** serves as Chief Experience Officer for ALLO and has been with the company for more than 17 years. Allison manages every aspect of the customer experience, ensuring we are meeting the expectations of both residential and business customers.

**Nate Buhrman** serves as Chief Financial Officer. Nate oversees finance and accounting functions for the company including internal controls and financial planning and analysis.

**Don Schoening** serves as Chief Field Services Officer for ALLO and has more than 30 years of experience. Don manages the outside and inside installation technicians and leads ALLO's safety and COVID-19 response teams.

**Todd Heyne** serves as Chief Construction Officer and is responsible for evaluating and optimizing fiber optic outside plant construction. Todd's experience managing ALLO's 120+ person construction team and 600+ person contractor crew provides valuable insight for the evaluation of designs for constructability and cost efficiency.

**Al Schroeder** serves as the Director of Outside Plant Engineering. Al has decades of experience working in and leading teams performing outside plant design and construction. Al is a registered professional civil engineer and is an expert in aerial, buried, and underground Fiber-to-the-Home designs.

Al oversees the design, permitting, and as-built records for our projects. His team completed and delivered the designs for our Lincoln community, allowing the project to complete two years ahead of schedule while staying on budget.

The ALLO organizational structure is organized by function. As an example, residential technicians, drop technicians, residential customer experience, digital marketing, inbound sales, front office, and door-to-door representatives roll up to the residential function.

A general breakdown follows:

| Department | Employees |
|---|---|
| Construction/OSP | 345 |
| Technicians | 264 |
| Customer Service Representatives | 223 |
| Sales/Marketing | 127 |
| Drop Crew | 93 |
| Administration | 58 |
| Inventory | 52 |
| Design | 57 |
| Network Team | 48 |
| Avid | 48 |
| Human Resources and IT | 31 |
| Other | 10 |
| **TOTAL** | **1356** |

With close to 1,000 ALLO employees in the region, including more than 50% of the senior management team, ALLO is uniquely qualified to support the project.