

Lumen® Infrastructure Services for state & local governments and education

Transforming government and education networks for secure, scalable, and citizen and student-centric services

Slow, fragmented legacy systems and limited resources drive state and local agencies to modernize their digital infrastructure for secure, reliable citizen services. Education departments also face outdated networks and siloed platforms, making it difficult to deliver seamless digital learning and protect student data.

Lumen Infrastructure Services address these challenges, providing agencies with scalable solutions that support connecting communities across the country to help deliver secure, reliable citizen and student services with confidence.

By leveraging Lumen's portfolio, including Private Connectivity Fabric, Dark Fiber, Colocation, and Conduit, government organizations can transform their networks to meet today's demands and prepare for tomorrow's opportunities.

Rapid Response, Real Results

Enable low latency and reliable connectivity, enabling agencies to coordinate emergency responses, update public dashboards, and deliver citizen services in near real time. This fast data flow helps ensure critical information reaches the right people when it matters most, to help improve outcomes and build public trust.

Near real time connectivity, immediate impact

Reduce delays in communication and data sharing, enabling Near real time decision-making across departments. This responsiveness is crucial for public safety, health, and transportation services, where every second counts for citizen well-being.

Fast Networks, Safer Communities

Experience rapid, dependable connectivity that supports mission-critical operations and public services. Agencies benefit from seamless data flow and quick access to essential applications, enhancing their ability to protect and serve their communities effectively.

Common use cases

- Cities use fast, smart traffic management by streaming sensor data over Private Connectivity Fabric to metro-edge PoPs for real-time signal optimization and congestion alerts.
- Emergency operations leverage fast, smart interagency data sharing on Dark Fiber and Wavelengths for low-latency situational awareness during disaster response.
- School districts enable fast, smart digital learning by colocating core systems with direct cloud on-ramps to help deliver secure, digital learning platforms at scale.



"PCF in the public sector focuses on understanding customer priorities and outcome goals and influencing conversations from a thought leadership standpoint."

– **Campbell Palmer**

VP Solutions Architect Public Sector Engineering

Infrastructure Services

Spanning Lumen® Private Connectivity FabricSM architectures, wavelengths deployment, and edge experiences, Lumen delivers high-performance network capacity for an AI-ready world and beyond.

Lumen® Private Connectivity FabricSM.

- Provides programmable, private connectivity across edge, data centers, and clouds, enabling low-latency, high-capacity, policy-controlled data movement.

Dark Fiber

- Dedicated, high-capacity fiber infrastructure that gives agencies the benefits of network ownership without building it themselves. It delivers low-loss optical routes and diverse paths for resilient, scalable bandwidth and disaster recovery.

Colocation

- Carrier-neutral data center space and power with direct interconnection to Lumen network and cloud on-ramps. It Hosts agency systems in secure facilities, simplifies interconnection to clouds, and scales performance, reliability, and availability.

Conduit

- Physical pathways that house and protect fiber optic cables for secure, reliable connectivity. It offers protected routes to expand fiber capacity and extend private connectivity as demand grows



Lumen is the backbone of the AI economy. PCF solutions allow you to **design a custom, AI-ready network architecture** enabling the **flexibility, scalability, and security** needed to meet today and tomorrow's demands.

Why Lumen?

For more than 60 years, Lumen has helped more than 300 public sector organizations stay connected, secure, and mission ready. We provide the network backbone and public sector expertise agencies need to strengthen their digital foundation with our cybersecurity, connectivity, communications, and AI-ready solutions—allowing them to modernize with confidence while advancing their total mission to serve citizens, support communities, and keep our nation safe.

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