



# Fiber is the Best Choice for Broadband Funding

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## Here is Why!

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# Agenda

What Drives the Need for Reliable Broadband?

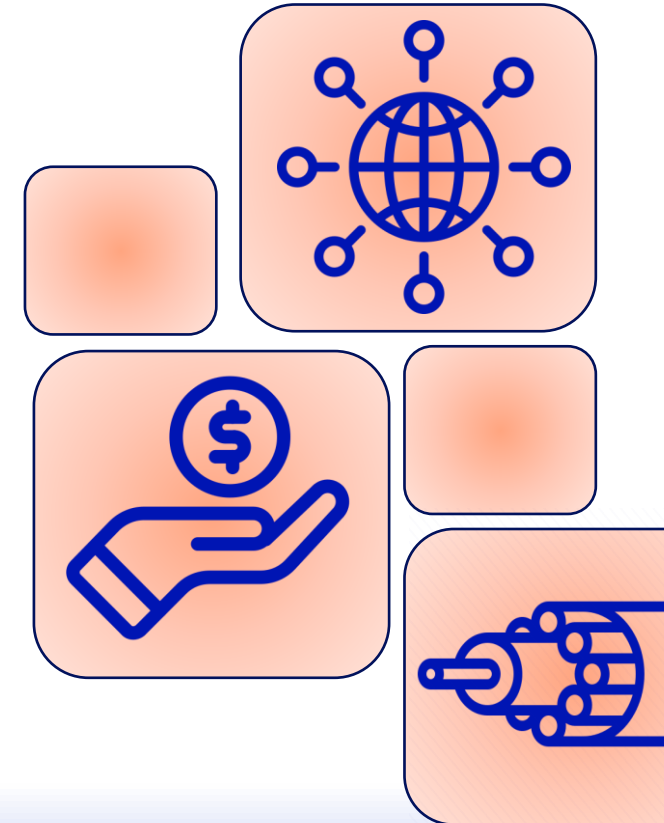
What Are The Options?

Why Fiber?

Public Funding Programs

BEAD – IA Deep Dive

Consideration of A Hybrid Model



# What Drives the Need for Reliable Broadband?



**Remote Work**



**Telehealth**



**Remote Education**



**Frequent Gaming**



**Binge Streaming**

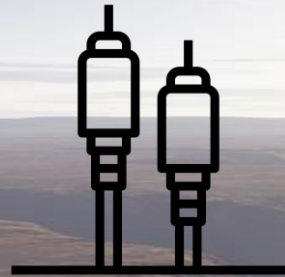


**VR / AR**

# What Are The Options?



**DSL**



**COAX**



**Wireless**



**Fiber**

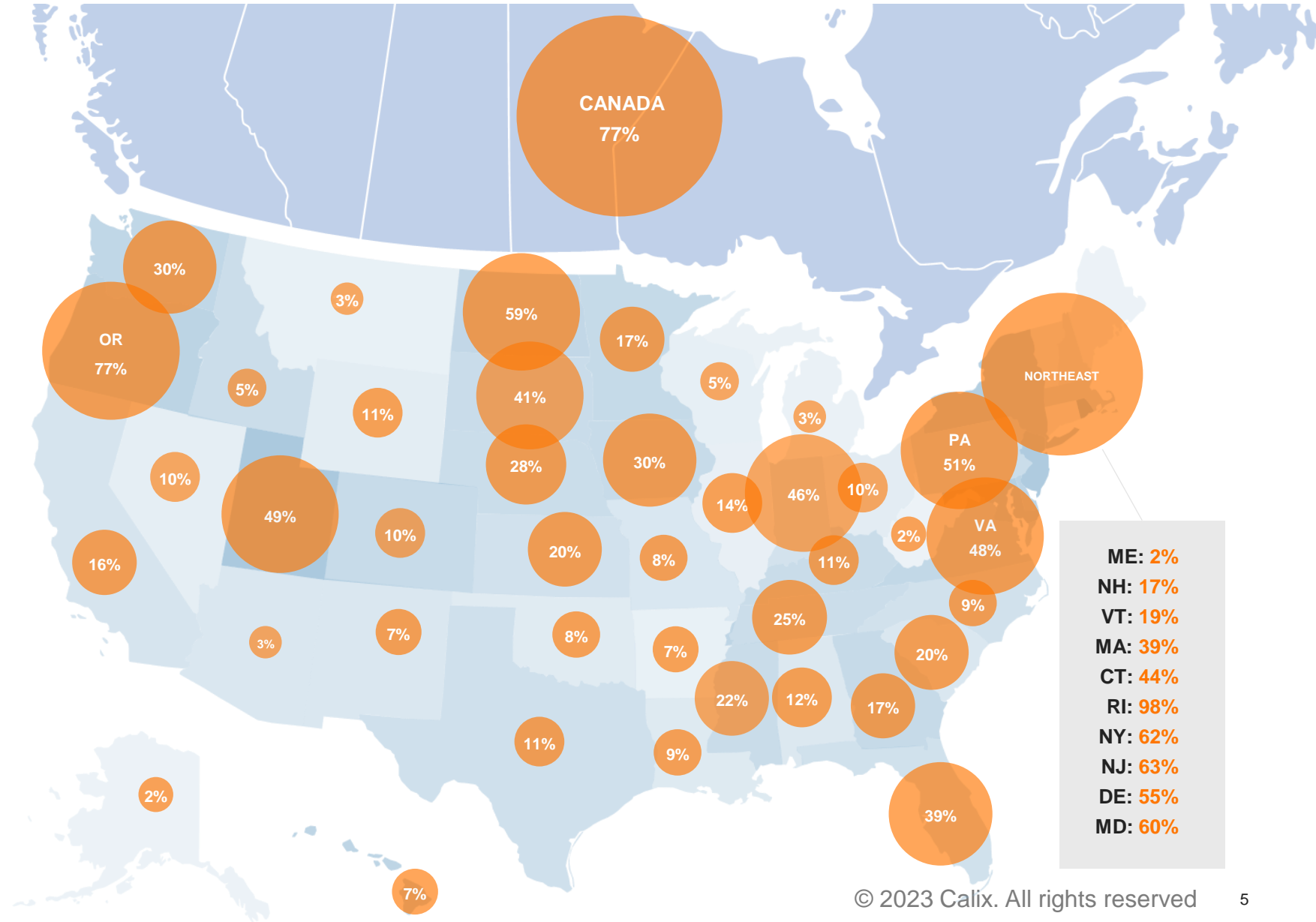


# Fiber is Lighting Up the World

**Bringing  
experience to  
the farthest  
reaches of  
North America**

**North American  
Average Today**

**46%**



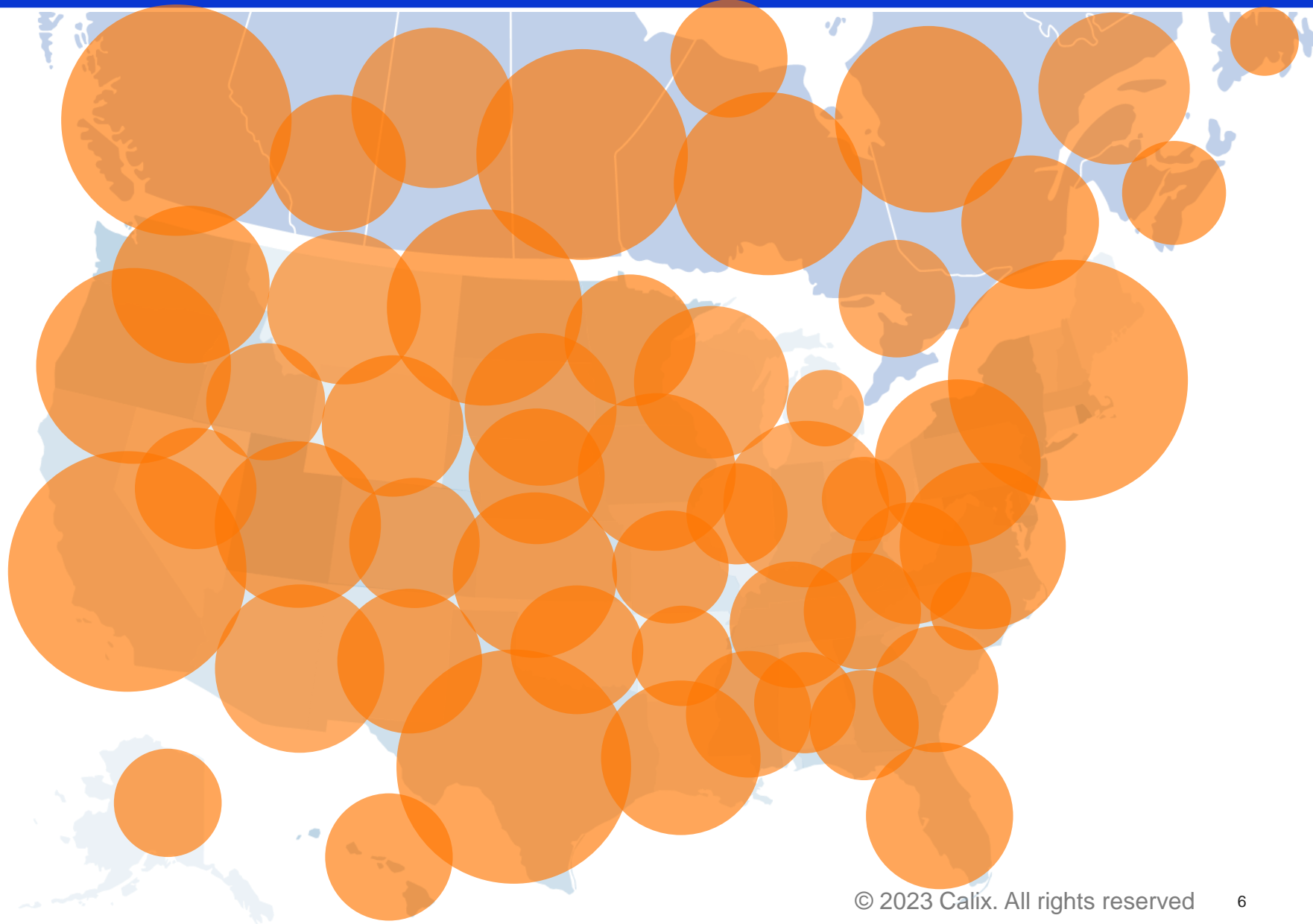
Simplify. Excite. Grow.

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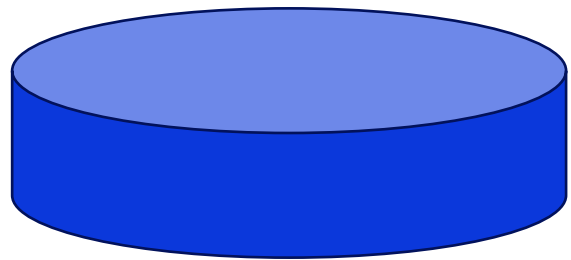
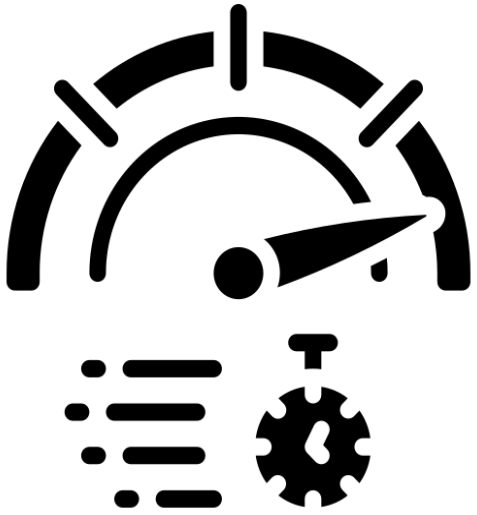
**North American  
Average by 2026**

**74%**

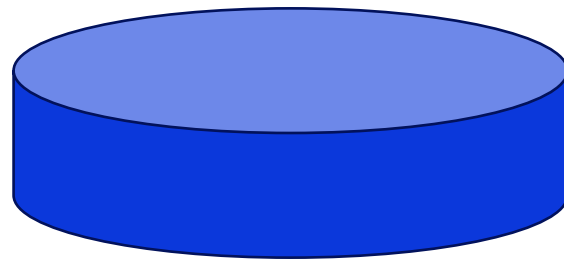


Simplify. Excite. Grow.

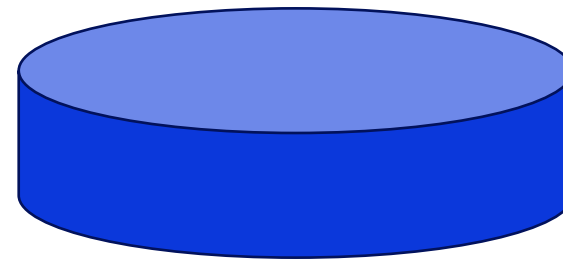
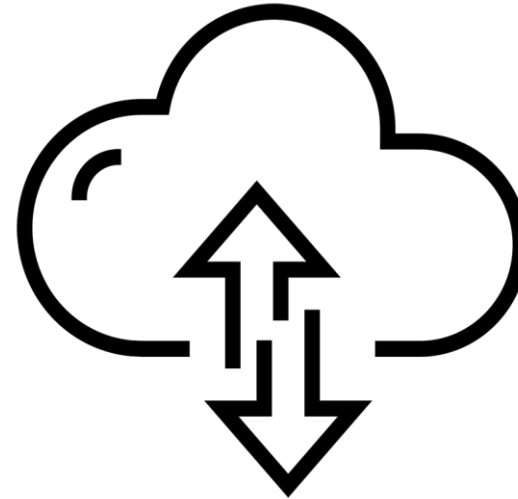
# Why Fiber?



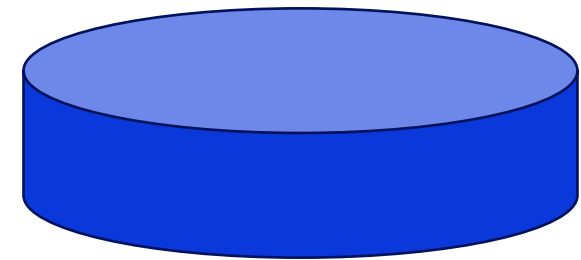
**Speed / Bandwidth**



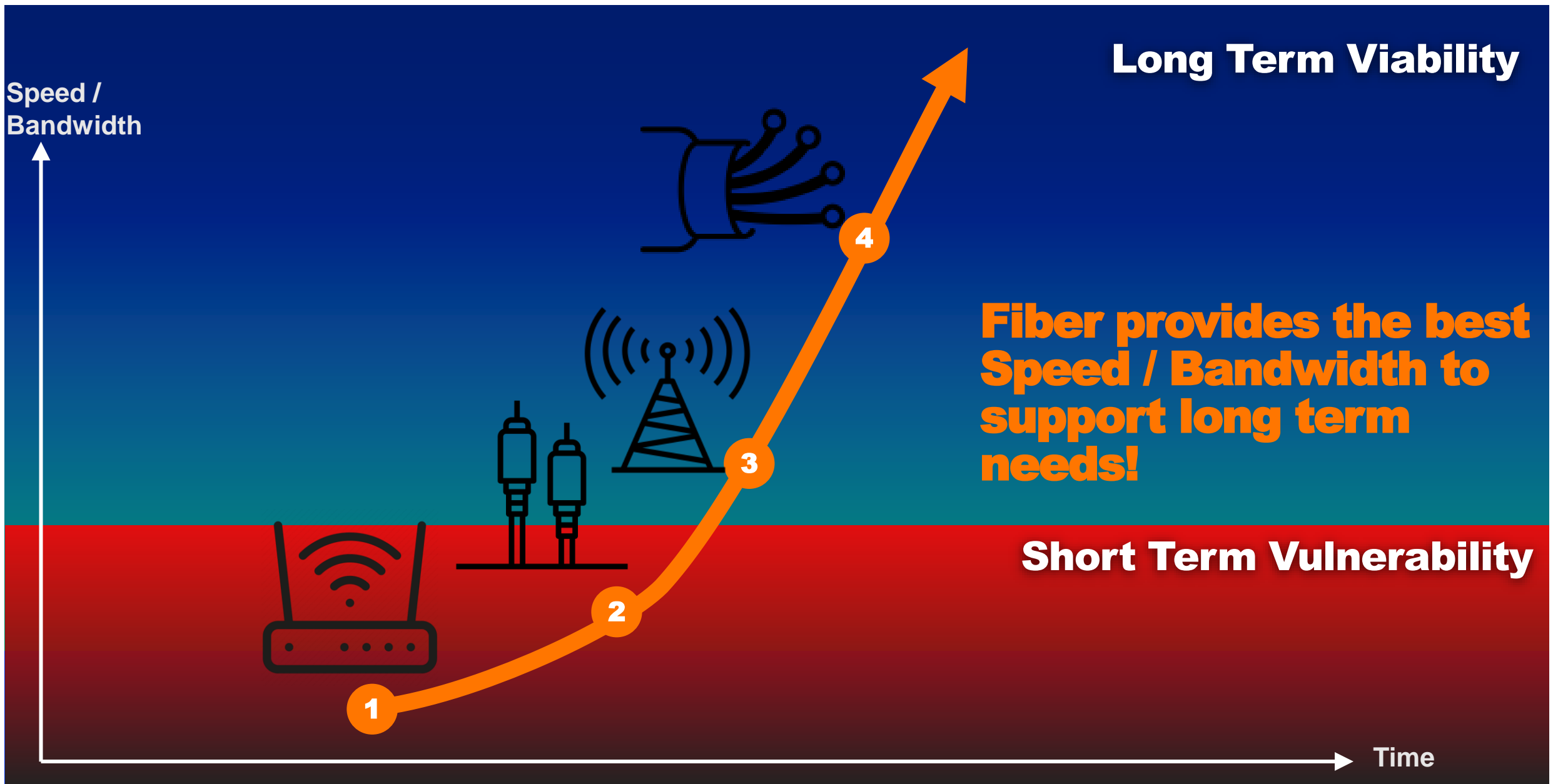
**Reliability**



**Symmetrical Speeds**



**Future Proof**



**Long Term Viability**

Speed /  
Bandwidth

**Fiber provides the best  
Speed / Bandwidth to  
support long term  
needs!**

**Short Term Vulnerability**

Time



# Reliability

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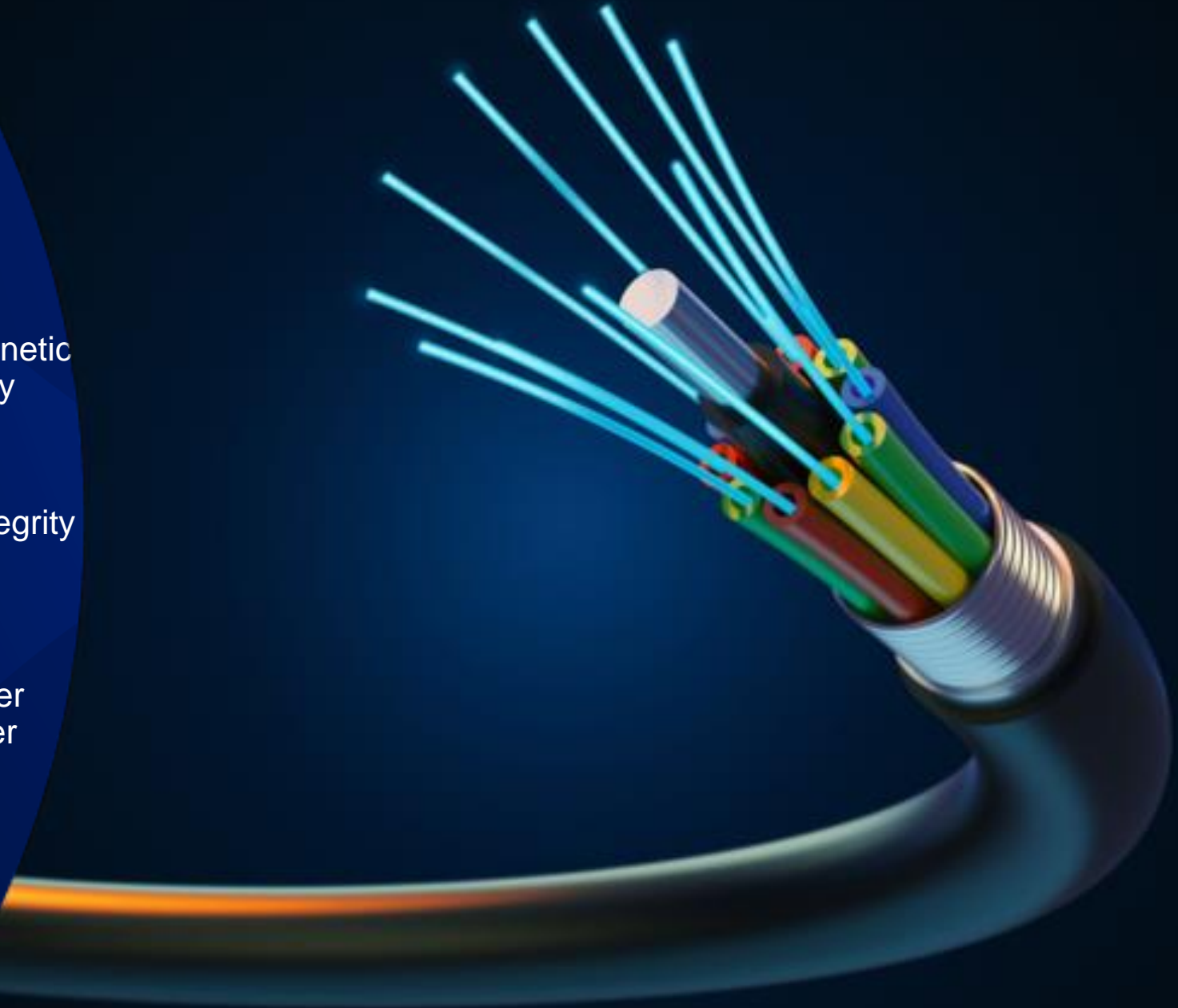
Not susceptible to electromagnetic interference or radio frequency interference.



Can maintain better signal integrity over long distances compared to copper cables



Less impacted by poor weather conditions compared to copper cables



# Symmetrical Speeds



twitch

YouTube



TikTok



Instagram



# Future Proof



# Public Funding Programs

**ARPA  
(CPF/SLFRF)  
Projects  
\$20B**

**IIJA  
Broadband,  
Equity, Access &  
Deployment  
(BEAD)  
\$42.5B**

NTIA Tribal (\$2B) started in 2022

USDA ReConnect (\$5B) started in 2020

FCC USF (\$40B) started in 2016

Future Tribal (2024) - \$1B

Future ReConnect 5 (2024) - \$2B

Future USF: CAF, ACAM, RDOF - \$30B

2016

through

2023

2024

through



# BEAD High Level Overview



The NTIA has distributed **\$42.5 billion** to all 50 States and 6 Territories. Allocations were made based on the number of **Unserved (<25/3)** and **Underserved (<100/20)** locations within the State/Territory. **(IA - \$415M)**

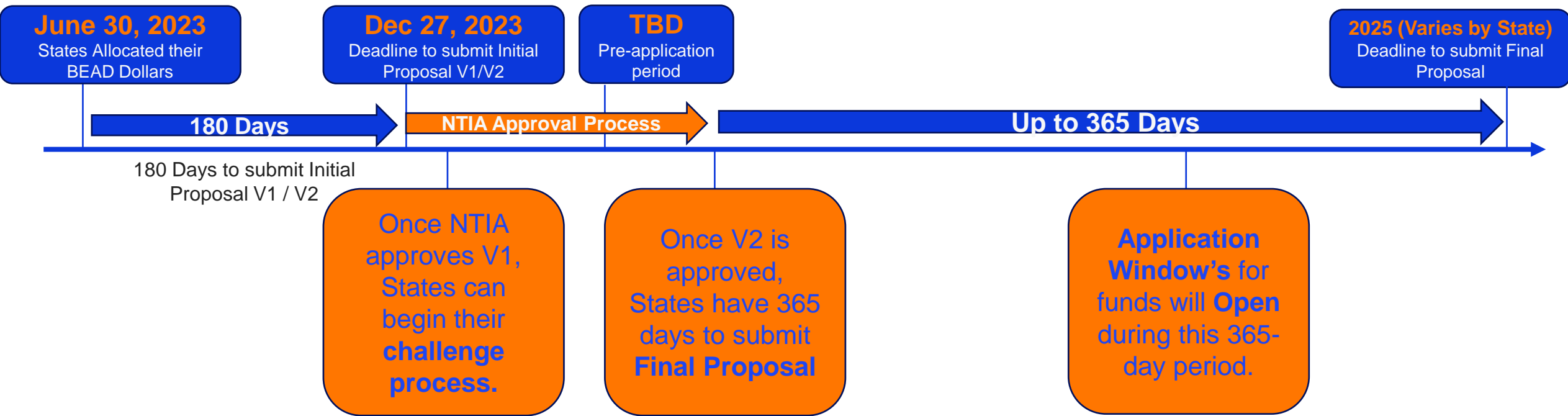
Eligible funding locations were initially determined by the [FCC National Broadband Map](#). These locations may be subject to change depending on the outcome of each State/Territories challenge process. It is important to note that BEAD will **exclude** any **previously funded** locations and considers **all Satellite & unlicensed wireless locations eligible** for funding. (Regardless of speeds provided)

All **FTTH projects** will be given **priority** in funding decisions. Additionally, **non-traditional ISPs** (Electric Co-ops, Municipalities, Tribal, etc.) will also be given **preference** over traditional ISPs.

**Highly encouraged** to review your State/Territories **Volume 1** and **Volume 2 Initial Proposal**. This will outline exactly how funds will be distributed and how you can be successful!



# BEAD Timeline



- **Initial Proposal V1:** The map and how to challenge: offensive (new buildout) and defense against competition
- **Initial Proposal V2:** Application process and scoring rubric
- **Final Proposal:** Formality when states present a list of awards to the feds: NTIA.
- **IA Challenge Phase:** Expected to open sometime in Q2 (Maybe Q3)



# Considerations of a Hybrid Model

**Cost Efficiency**

**Last-Mile Connectivity**

**Potential Waivers for BEAD**

**Rapid Deployment**



# Additional Calix Resources





# Calix Private Funding Program

## Private Equity (PE)

PE will own equity (dilutive) in established BSPs

Due Diligence ~2 months

Actively support via Board Seats

~\$10M+ but prefer more over multiple rounds

Private Funding Program

## Venture Capital (VC)

Earlier Stage in emerging new BSPs

Due Diligence ~2 months

Will own equity (dilutive)

Active support via Board

~\$1M+ initially with more over multiple rounds

Private Funding Program

## Debt / Convertible Debt

Investments in established BSPs via debt (non-dilutive)

Due Diligence ~2 months

Cash Flow requirements

Convertible debt has an (minor) equity component

~\$5M+

Private Funding Program

## Debt / Line of Credit

High Interest debt fund used for leasing equipment

Interest rates lie between 16-17%

Accompanied with expert consultants, and essential resources

Private Funding Program

+

Public Funding

## Program Process

- **Fiber/telecom experience** - Calix works with a small group of PE, VC and Private Debt partners
- **Reference Program Only** – no financial arrangement between Calix and partners
- **Introductory call with Calix Commercial Strategy Team** to “kick the tires” to explore potential next steps and “match”
- **Provide introduction** to best fit investor partners (see logos)



Simplify. Excite. Grow.



# Learn How to Connect Your Community

**Gain the foundational knowledge you need to become a Broadband Service Provider.**

The journey to becoming a Broadband Service Provider can feel overwhelming. That's why Calix created Broadband Academy, an online curriculum that guides digital leaders through the five stages of building and managing a successful broadband business.



**FUND**



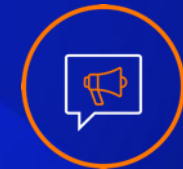
**DESIGN**



**BUILD**



**OPERATE**



**MARKET**

**Each expert-designed learning path provides:**

- Essential industry knowledge and insights
- Self-paced lessons that can be completed at any time
- Knowledge checks and quizzes for content retention
- Badges and Certificates of Completion
- Workforce development and training opportunities



**Scan the QR to sign in!**

[learn.calix.com/broadbandacademy](https://learn.calix.com/broadbandacademy)

SCAN ME



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#BroadbandAcademy 18

# Secure the funding to grow your business

## Discover new funding and gain expertise tailored for you

- ✓ **Personalized Funding Strategies:** Tailored plans designed to target and secure the most lucrative funding avenues for your specific business model and goals.
- ✓ **Regulatory Navigation:** With our guidance, learn to effortlessly traverse the intricate landscape of funding, turning complexities into straightforward paths.
- ✓ **Untapped Funding Sources:** Identification and introduction to lesser-known yet highly beneficial funding sources that can provide a competitive edge for your broadband business.
- ✓ **Commitment to Growth:** We're committed to ensuring your business receives the pivotal funds it deserves, setting the foundation for your broadband project.

*Schedule your  
personalized  
consultation today*



**Q & A**

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# Thank You!

