



Patrick Halley

President and CEO

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The Big Picture

- When empowered with the right tools, there is no stopping the US wireless industry
- Intentional national policy decisions governing spectrum access and permitting have created an environment for the wireless industry to succeed
- Our global wireless leadership depends on continued intentional policy decisions that promote growth and innovation

Rapid National Deployment

- Over 99% of Americans have access to three or more 4G providers
- 325 million Americans connected to 5G
- On average, consumers experience 130 Mbps over a mobile connection (sometimes up to 1-2 Gbps!)
- Consistent growth in mobile data network usage (14GB/month on average today; expected to grow to 58 GB/month by 2028)

WIRELESS INFRASTRUCTURE BY THE NUMBERS

401,100

Wireless Infrastructure Jobs

142,100

Cell Towers

209,470

Macrocell Sites

678,700

Macrocell Sectors

747,400

Indoor Small Cell & DAS Nodes

452,200

Outdoor Small Cell Nodes

\$46B

Spent on Cellular Network Operation in 2022

\$11.9B

Spent on Cellular Network Construction in 2022



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Policy Focus

- Spectrum - short-term and long-term spectrum pipeline
- Permitting - predictable, proportionate and transparent permitting policies
- Technology Neutrality - embrace the need for multiple technologies
- Workforce – develop the workforce for today & tomorrow



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WIA Workforce Solutions

WIA is a trusted resource for expanding Registered Apprenticeship, developing training solutions, and leading sector-based partnerships for broadband

The logo for TIRAP features the word "TIRAP" in a bold, white, sans-serif font. A small red star is positioned above the letter "A".

TELECOMMUNICATIONS INDUSTRY
REGISTERED APPRENTICESHIP PROGRAM

POWERED BY WIA



TELECOMMUNICATIONS
EDUCATION CENTER

POWERED BY WIA

Workforce
Services

Federal and State Partnerships in
Sector Based Partnerships (BEAD)

OHIO'S BROADBAND AND 5G SECTOR PARTNERSHIP



Governor's Office of
Workforce Transformation

Mike DeWine, Governor

Jon Husted, Lt. Governor and Director

BroadbandOhio



THE OHIO STATE UNIVERSITY



Wireless
Infrastructure
Association

Programs started as a result of Ohio's Broadband & 5G Workforce Strategy



5G Readiness Program



Fiber Optic Technician

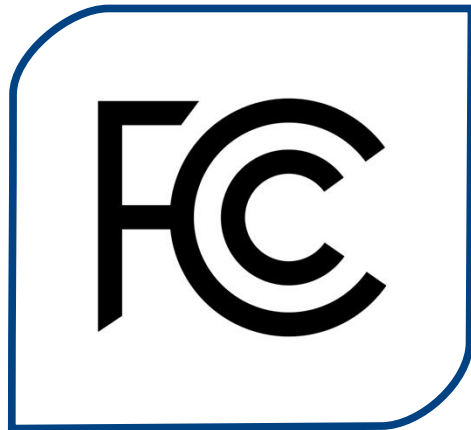


**Telecommunications Tower
Technician Program**



**Broadband Infrastructure
Training Program**

Working For You In Washington



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Federal Issues to Know

- NTIA
 - National Spectrum Strategy
 - BEAD Implementation
- FCC
 - ASR Database
 - 5G Fund
 - Floodplains NPRM
 - Pole Attachment Potential
- Focus on NEPA and Permitting



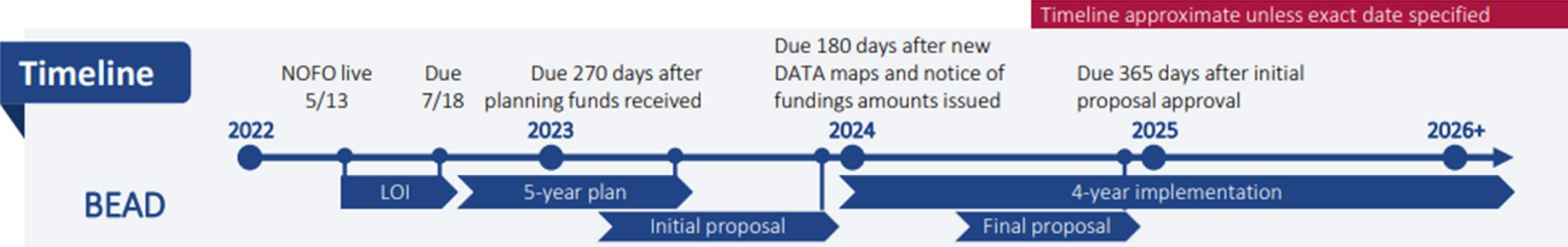
Advocating at NTIA

“First, let’s recognize that choosing a non-fiber alternative does not mean providing a second-class service. Quite the contrary. Fixed wireless to the home is a reliable, high-speed, affordable alternative to fiber, and it is much faster to deploy.”

- Patrick Halley, *BroadbandBreakfast Op-ed*



BEAD Timeline



Capitol Hill

- BEAD Oversight
- Permitting Reform
- FCC Spectrum Authority Reauthorization
- Taxation of Federal Broadband Projects
- Rip and Replacement Reimbursements
- Affordable Connectivity Program

“If Congress wanted to limit ‘priority broadband projects’ to one type of technology, it could have done so. It did not. Instead, the statute was technology neutral provided that the chosen technology could meet the broadband speeds set by Congress.” - *WIA letter to Senator Thune*



Fighting for your 6409 Rights

- 2014 FCC Order "reducing the costs and delays associated with facility siting and construction"
 - Shot clocks and deemed granted
- 2020 FCC Compound Expansion Order
 - Making it easier to perform modifications just outside the compound
- 2020 FCC 5G Upgrade Order
 - Pushing back on localities gaming 6409 definitions
- Today: 9th Circuit Appeal
 - Defending the FCC's 5G Upgrade Order in court



Engaging the FAA

Members experienced delays for approval from FAA for construction & modifications

- Some reported review times of 9-12 months or more
- Backlog reduced from 8,000 to ~100
- WIA working to address staffing in FAA siting application office





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State of the States

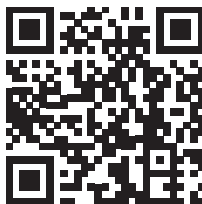
- Tech flexibility a focus in **Ohio** and **Wisconsin**
- Successful permit batching in **California**; tech flexibility vetoed
- **Nebraska** bill revising Right of Way access defeated after WIA and wireless industry opposition
- Positive activity in **New York**
 - Siting in Adirondacks; coalition-building for collocation by right
- Prohibitions on Deployments
 - **Kentucky** S238 (500m setback from inhabitable building or outdoor congregating space)
 - **Tennessee** SB 1365 (500m setback from schools)

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Join Us To
ELEVATE THE
INDUSTRY

May 14-16, Georgia World Congress Center, Atlanta, GA



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Thank You



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