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NATIONAL TRIBAL TELECOMMUNICATIONS ASSOCIATION

APRIL 2024 NTTA TRIBAL BROADBAND SUMMIT

April 8-10, 2024

Wild Horse Pass Resort & Casino
Gila River Indian Community
Chandler, AZ

NTTA

ENABLE YOUR COMMUNITY TO THRIVE WITH THE BROADBAND EXPERIENCE THEY DESERVE

Tribal broadband brings benefits that last long into the future

A safe and prosperous community

A thriving local workforce

A sustainable long-term business

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Finley Engineering

COFFEE/TEA

GO Care

LUNCH

Arista
Mears Broadband, LLC

RECEPTION

Benton Technical Services, Inc
Ciena
Dell Technologies

EVENT MAP

ACACIA B
ACACIA A
ACACIA C
ACACIA D
BUSINESS CENTER
RESTROOMS
RESTROOMS W
RESTROOMS M
OCOTILLO A
OCOTILLO B
OCOTILLO C
IRONWOOD
ELEVATORS
HOTEL LOBBY / SHOWROOM
PALO VERDE A
PALO VERDE B
PALO VERDE C
EVENT LAWN
PARKING
YUCCA
WILLOW
CHOLLA
AGAVE
SOUTH PATIO
PARKING
POOL
GUEST DROP-OFF / PICK UP

AGENDA

MONDAY — April 8th

GOLF TOURNAMENT – PRE CONFERENCE – WELCOME RECEPTION

6:30 am - 2:00 pm — **NTTA Golf Scramble**
Whirlwind Golf Club
5692 W North Loop Rd
Chandler, AZ 85226

6:30 am — **Continental Breakfast/Coffee available outside Pro Shop**

7:45 am — **Shotgun Start**

8:00 am - 6:00 pm — **Conference Registration Open** (Acacia Foyer)

8:30 am - 5:00 pm — **Planning, Building & Launching a Broadband Business Workshop** (Palo Verde B & C)

8:30 am - 12:00 pm — **Section 1: Classroom "Plan It. Build It. Connect It."**
This section discusses **Partnerships** in the **Deployment Roadmap**:
1. Vision Creation – Assessing Needs & Engaging the Community
2. Business Planning – Business Modeling
3. Build Business Case
4. Secure Funding – Explore Available Options
5. Develop the Plan to Build
6. Build the Network
7. Market and Connect Your Community

We will discuss Funding, Network Overview & Operational Considerations, Deployment Construction & Supply Chain and Standing UP and Launching broadband.

Classroom Titles and Speakers:
Vision, Building the Business Case & Funding
Jennifer Hickerson – Moss Adams
Jacki Miskimins – Vantage Point
Network Overview: Design & Operational Considerations
Barry Walton – Corning
Taj Sandhu – Adtran

AGENDA

MONDAY

April 8th

1:00 pm - 5:00 pm

Section 2: Hands-On "Graybar Training Alliance" Fiber Training Partners

NTTA attendees will participate in the hands-on fiber training workshop. Attendees will learn tips, tricks, and troubleshooting in an interactive setting with best-in-class manufacturers. We will have demonstrations set up from the Central Office / Headend to the pole to end-device at the premise.

The individual workstations that will train on:

Cable/cable closures preparation • Splice & test • Cable & conduit restoration kit with terminals • Tools/test & measurement kit • We will have tools required for fiber restoration for you to see and explore.

Individual Workstation Partners:

Hubbell (Aerial / Underground Hardware and the Ripley Fiber Tools)
Corning (Fiber Cable & Fiber Hardware) & Adtran (CO/Headend OLT to Home ONT Electronics)
EXFO (Fiber Testing)
Sumitomo (Fiber Splicing)

* **As a Bonus**, Mears, LLC – National Contractor will bring a Bucket Truck with Ditch Witch and Fiber Splicing Station so attendees can see the truck requirements for field deployment and home installs.

AGENDA

MONDAY

April 8th

9:00 am - 10:30 am

Morning Tour of Gila River Telecommunications, Inc.
Designated for registered Tribal conference attendees. Pre-registration required.
(Location: Off-site at 7065 W Allison Rd # 5015, Chandler, AZ 85226)

12:30 pm - 2:00 pm

Afternoon Tour of Gila River Telecommunications, Inc.
Designated for registered Tribal conference attendees. Pre-registration required.
(Location: Off-site at 7065 W Allison Rd # 5015, Chandler, AZ 85226)

1:00 pm - 3:00 pm

ISP 101, Part A (Willow)
Tribal ISP Planning, Formation and Operations
Designated for registered Tribal conference attendees.
Pre-registration required.

Listen and learn about planning & forming a Tribal ISP and the various ways of running it successfully, from partnering to operations, while maintaining sovereignty over the infrastructure. Presented by Andrew Metcalfe, Jenny Rickel, Carl Patterson & Rebecca Carter, Native Network.

3:00 pm - 5:00 pm

ISP 101, Part B (Willow)
Business Continuity: From BEAD Funding to Sustaining Tribal ISP Networks
Designated for registered Tribal conference attendees.
Pre-registration required.

This workshop will focus on various steps along the pathway to funding, developing, and sustaining Tribal broadband networks. The Broadband Equity, Access, and Deployment (BEAD) funding program, in addition to other grant funding programs, will provide a once-in-a-lifetime opportunity to secure funding for constructing Tribal broadband networks. Combined with insights for business planning and sustaining these networks, this workshop will also focus on necessary steps to consider in building and keeping Tribal networks viable into the future. Presented by Doug Kitch & Rob Strait, Moss Adams.

3:30 pm - 5:00 pm

"Tribal Engagement-Listening for Success!"
Cultural Competency Presentation for Vendors (Cholla)
Rob Griffin, CEO, Haklo
Find out more on how Tribal Nations manage vendor relationships with new vendors in the marketplace. Understand what is important in the Sovereign world with your new relationship and how to enhance an existing one.
The key is preparation and knowing what to look for before, during, and after the first meeting.

5:30 pm - 7:30 pm

OPENING NETWORKING RECEPTION (Event Lawn)
Just added! The NCAA Championship Basketball Game will be shown during the welcome reception!

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TUESDAY

April 9th

7:00 am - 4:00 pm	**Conference Registration Open** (Acacia Foyer)
6:45 am - 7:45 am	**Tribal Representatives Breakfast hosted by Calix** (Palo Verde A)
7:00 am - 8:00 am	**BREAKFAST** (Event Lawn)
8:00 am - 7:00 pm	**Exhibit Hall Open** (Acacia Ballroom)
8:00 am - 8:30 am	**Opening General Session** (Palo Verde Ballroom) Welcome, Godfrey Enjady National Anthem, Cissimarie Juan Invocation, Harry Antone
8:30 am - 9:00 am	**Building for the Future, Broadband to Transform your Community for Generations** Michael Weening, President & Chief Executive Officer, Calix
9:00 am - 9:20 am	**An Update from USDA Rural Development's Tribal Relations Team Tedd Buelow, Tribal Relations Team Lead and Tribal Coordinator at USDA Rural Development** During this discussion participants will hear from USDA Rural Development's Tribal Relations Team lead. You will learn about the Team's structure and purpose, how they collaborate with USDA's Office of Tribal Relations and how they support Tribes and Rural Development staff, including Telecom staff specifically.
9:20 am - 9:45 am	**Building & Operating a Broadband Business: Lessons Learned / Best Practices from Tribal Leaders in Broadband** Moderator: **Scott Jackson** – National Market Manager, Graybar **Rob Griffin** – Tribal Broadband Coordinator/Government Affairs, Choctaw Nation of Oklahoma **Josh Snow** – President, Trace Fiber Networks, A wholly owned subsidiary of the Chickasaw Nation **Tico Charlee** – Acting Executive Director, Navajo Nation Telecommunications Regulatory Commission The panel will discuss the **"Plan It. Build It. Connect It"** process of building and operating a broadband network from tribal leaders that have or are providing services to their communities. We will discuss phase 1: vision/assessment/ engagement of the community to cost modeling to securing funding. Then phase 2: Developing a plan to build, building the network, and marketing/ connecting tribal citizens.

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9:45 am - 10:00 am

Coffee & Hot Tea Break (Acacia Ballroom - Exhibitor Hall)

10:00 am - 10:45 am

The Digital Navigator Model in Indian Country (Palo Verde Ballroom)
Moderator:
Angela Siefer, Executive Director, National Digital Inclusion Alliance (NDIA)
Angela Diahkah, Jemez Pueblo
Abe Camez, Hoopa Valley Tribe
Mikhail Sundust, Gila River Indian Community

Digital Navigators are trusted guides who assist community members in internet adoption and the use of computing devices. The National Digital Inclusion Alliance is piloting a program to help tribal nations support digital navigators from their own local population. Learn how NDIA's Digital Navigator model is being implemented by tribal nations.

10:45 am - 11:05 am

Update from the FCC's Office of Native Affairs and Policy
Bambi Kraus, Chief of the Office of Native Affairs and Policy, FCC
The Office of Native Affairs and Policy (ONAP) will provide an overview of the Federal Communications Commission's (FCC's) current initiatives that are of interest to Tribal Nations including information on the E-Rate Program for Tribal Schools and Libraries which is part of the Universal Service Fund; the FCC's current wind down plans for the Affordable Connectivity Program (ACP); and the FCC's recent request for comment on adding a Missing and Endangered Persons event code to the Emergency Alert System. ONAP will also provide other timely updates on other FCC initiatives and programs.

11:05 am - 11:20 am

Remarks by Mona Thompson
Mona Thompson is the former General Manager of Cheyenne River Sioux Tribe Telephone Authority (CRSTTA). She was recently appointed to the Board of Directors of the Universal Service Administrative Company. In recognition of Mona's 27 years of service to CRSTTA, NTTA named her the "Outstanding Woman in Tribal Broadband" in 2022.

11:20 am - Noon

Collaborative Endeavors: Unite to Build Broadband Networks

Moderator:
Derrick Owens, Sr. Vice President of Government & Industry Affairs, WTA
Kristi Westbrock, CEO, CTC
Randy Long, IT Director, Bois Forte Tribal Government, Bois Forte Band of Chippewa
Ginger Sunbird Martin, Founder and CEO, Sunbird Enterprises

In an era where connectivity is increasingly synonymous with opportunity, the collaboration between Tribal communities and private companies to build

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broadband networks marks a significant stride towards bridging the digital divide. These partnerships bring together the unique strengths and resources of both

entities, with a shared goal of providing high-speed internet access to underserved areas while respecting Tribal sovereignty and fostering economic development.

12:00 pm - 1:00 pm — **LUNCH** (Event Lawn)

1:00 pm - 1:30 pm — **NETWORKING BREAK** (Acacia Ballroom - Exhibitor Hall)
Please Visit the Exhibit Hall

1:00 pm - 3:00 pm — **WORKSHOP TRACKS**
There are two tracks of workshops: the 2-hour Intensives, and the Broadband Experience Workshops. The 2-hour Intensives are listed first on the agenda, followed by the Broadband Experience Workshops. You may select any combination of workshops to attend.
PLEASE NOTE: The 2-hour Intensives begin at 1pm.

1:00 pm - 3:00 pm — **USDA Telecommunications Grant and Loan Programs Review** (Willow)

`Moderator:
Brian Smith, Telecom Field Staff Branch Chief, Rural Development
Ken Wiseman, Management and Program Analyst, Policy and Outreach, Telecommunications Program, RUS
Doug Martin, Management and Program Analyst, Policy and Outreach, Telecommunications Program, RUS, Rural Development

An engaging overview of the programs managed by the Rural Utilities Service Telecom Program that provide funding to expand access to broadband, distance learning, and telehealth.

1:00 pm - 3:00 pm — **FCC Broadband Mapping Workshop** (Cholla)
(This workshop will repeat on Wednesday, April 10th at 3 - 5 pm)

Moderator:
Ed Bartholme, Senior Outreach Director, Broadband Data Task Force, FCC
Ken Akini, Attorney Advisor, Office of Native Affairs and Policy, FCC

In this session on the National Broadband Map and the Broadband Data Collection, FCC staff will review the ways that Tribal governments and providers can help improve the accuracy of the maps on Tribal lands. Staff will focus on

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how Tribal stakeholders can participate in both the location and availability challenge processes, demonstrate how to engage with the map, and review provider filing requirements. Attendees are encouraged to bring a laptop as there will be an opportunity to review the map for each community and identify where challenges may be appropriate.

3:00 pm - 5:00 pm

Engage with USAC: Lifeline Listening Session for Tribal Stakeholders (Willow)

Moderator:
Gem Shandiin Labarta, Tribal Liaison, USAC
Kevin Green, Senior Director of Program Management, USAC
Winta Woldu, Communications Specialist-Lifeline, USAC

Please join Universal Service Administrative Company's (USAC) Tribal Liaison and Lifeline staff for a listening session on Lifeline for Tribal consumers, advocates, and service providers. The Lifeline program, administered by USAC according to policies set by the Federal Communications Commission, lowers the cost of phone and internet service for eligible low-income consumers. This session will begin with a brief presentation on the four USAC programs, with a focus on Lifeline. Following the presentation, Tribal stakeholders are invited to contribute their insights and engage in meaningful dialogue.

3:00 pm - 5:00 pm

NDIA: Native Nation Building Through Digital Equity (Cholla)
(This workshop will repeat on Wednesday, April 10th at 1 - 3 pm)

Moderator:
Angela Siefer, Executive Director, National Digital Inclusion Alliance
Abi Waldrupe, Senior Digital Navigator Manager, National Digital Inclusion Alliance
Davida Delmar, Digital Inclusion Manager, AMERIND Critical Infrastructure
Abraham Camez, Digital Navigator, Acorn Wireless, Hoopa Valley Tribe
Angela Diahkah, Network Operations Supervisor, Jemez Pueblo Tribal Network

Digital equity that is centered around your Tribe and community is a practice of self-determination. This workshop will provide a robust foundation of the aspects of digital inclusion and digital equity, including information on barriers, successful programs, coalitions, policy, funding, and planning. Native practitioners will provide real life examples from their communities. Staff from the National Digital Inclusion Alliance and AMERIND Critical Infrastructure will facilitate interactive activities that will help you build strategies in your community

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BROADBAND EXPERIENCE WORKSHOPS —
PICK YOUR TRACK or select individually

Workshop Tracks	**BEGINNER TRIBAL BROADBAND EXPERIENCE:** Individuals or communities with limited familiarity and basic understanding of broadband technology and services in a tribal context.	**INTERMEDIATE TRIBAL BROADBAND EXPERIENCE:** Individuals or communities with some knowledge and experience in utilizing broadband technologies and services in tribal areas, but with room for improvement and growth.	**ADVANCED TRIBAL BROADBAND EXPERIENCE:** Individuals or communities with a high level of expertise and proficiency in leveraging broadband technologies and services effectively within tribal regions, often involving advanced applications and solutions.

1:30 PM -2:30 PM	Beginner: Broadband in Action: Role Play	Beginner: Feasibility & Funding	Intermediate: New Network-Best Practices Panel (Feasibility Study Utilization & Design Best Practices, Early Revenue Return Offerings)	Advanced: Future Funding Part 1 -NTTA What is Available State Broadband Office-Process & Allocation

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1:30 pm - 2:30 pm

BEGINNER: Broadband in Action: Role Play (Yucca)
(This workshop will repeat on Wednesday, April 10th at 3 - 4 pm)

Moderator:
Ed Mitchell, Technical Training Manager, CALIX
Arizona Parker, Education Programs Course Developer, CALIX

How does information travel across the Internet to get from one place to another?
How do data packets, equipment, and software interact to form a functioning broadband network?

In this fun role-play activity, learners will be introduced to the fundamentals of passive optical
network (PON) design and model the packet journey from the home subscriber network to the
world wide web.

By the end of this activity, learners will be able to:

1. Identify the physical components of a passive optical network and describe how they
work together to transmit data.
2. Describe the path of a data packet from a subscriber to a website destination.
3. Understand the ONT bootup sequence/assignment of an IP address.
4. Recognize common network threats that can disrupt the transmission of data

1:30 pm - 2:30 pm

BEGINNER - Feasibility & Funding (Palo Verde C)
"Set Up for Success: Proven Feasibility and Business Planning for Broadband Viability"

Moderator:
Scott Carey, Broadband Project Manager, Horrocks
Carl Meyerhoefer, SVP, Business Development, Conexon

Broadband success starts at ground zero: with the development of a realistic, data-driven feasibility study, customized for your project, that paints an accurate and comprehensive picture of business viability. This session takes you step by step through the complexity of a broadband build, helping your team understand every metric of infrastructure and operations so you can more effectively evaluate and determine the optimal broadband business model. Put the keys from this session together to leverage a customized plan and innovative solutions that will take your project to long-term network sustainability.

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1:30 pm - 2:30 pm

INTERMEDIATE: New Network-Best Practices Panel (Feasibility Study Utilization & Design Best Practices, Early Revenue Return Offerings) (Palo Verde B)

"Optimizing Networks: Design Principles, ROI Strategies, and Cost Efficiency in the Context of Tribal Nations"

Moderator:
Ruben Zendejas, General Manager, Quick Current (Omaha Tribe of Nebraska)
Lowell Feldman, CEO, Evolve Cellular & Manager, Quick Current (Omaha Tribe of Nebraska)
Brian DeMarco, General Manager. Siyeh Communications (Blackfeet Tribe)
Doug Malloch, Network Manager, NTUA-Data Center/Network Operations Center Division
Vini Santos, Solutions Marketing Senior Advisor, Ciena
Jack Breeding, Business Unit Leader, Rural and Tribal Nations, Ribbon Communications

This panel will discuss design principles applicable to access networks, taking into account the unique needs of every tribal nation. The discussion will emphasize the necessity for flexibility, scalability, and resilience in these networks, which allows them to adapt to changing needs and circumstances. Strategies for accelerating the return on investment in broadband projects will also be explored, focusing on the importance of monetization options and rapid customer intake. Innovative pricing models, partnerships, and customer segmentation will be suggested as strategies. The panel will further delve into practical strategies for designing and maintaining lower operational costs, considering current Fed Gov programs' absence of operational funds. These strategies include efficient network design, automation, and energy efficiency. Lastly, the benefits and drawbacks of IPoDWDM will be examined.

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1:30 pm - 2:30 pm

ADVANCED: Future Funding Part 1 -NTTA What is Available-State Broadband Office-Process & Allocation (Palo Verde A)

"Navigating the BEAD Program in 2024: Opportunities and Compliance"

Moderator:
Chris Bailey, Sales Director, Wesco
Eniola Campbell, Sales Manager, Nokia

2024 is poised to be the year of BEAD, and this presentation is your gateway to understanding the crucial developments in the Broadband Expansion and Deployment (BEAD) program. Join us for a high-level overview of where we stand today and what lies ahead throughout the year. In this insightful presentation, you'll gain invaluable insights into the BEAD landscape, enabling you to chart a successful course in the world of broadband expansion.

1. National BEAD Progress and 2024 Expectations: Explore the current status of the BEAD program on a national scale and get a sneak peek into what you can anticipate in 2024. Stay ahead of the curve by understanding the evolving landscape of broadband expansion.

2. Provider Participation: Why it Matters: Discover the compelling reasons why all broadband providers should actively participate in the BEAD Challenge Process. Uncover the advantages and benefits that await those who engage in this essential aspect of the program.

3. Preparation for Success: Learn actionable steps and best practices that individuals and organizations should undertake to prepare effectively for their involvement in the BEAD program. Ensure your readiness to seize the opportunities that BEAD 2024 has to offer.

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2:30 pm - 3:00 pm

NETWORKING BREAK (Acacia Ballroom / Exhibit Hal)
Refreshments Available in Exhibit Hall

3:00 pm - 4:00 pm	Beginning Steps-Data Collection & Design	Permits and Environmental Assessments 102	Future Funding Part 2 -

3:00 pm - 4:00 pm

BEGINNER: Beginning Steps-Data Collection & Design
(Palo Verde C)
Industry veterans will share their expertise to help you create a successful plan, so you can plan to succeed!

Moderator:
Renee Robinson, Director of Utility Broadband, Hubbell; Moderator
Jack Breeding, Business Unit Leader, Rural and Tribal Nations, Ribbon Communications
Chris Gemme, Senior Manager, Field Application Engineering, CommScope
Barry Walton, Telecom Solution Architect, Corning

Anything worth doing is worth doing well. Building a Fiber broadband network is no different and it should always begin with data collection. But what information do we need, how do we obtain it and why?
This panel discussion will highlight the data needed to begin to design your fiber broadband network.

- Data collection methods, tools, and sources
- Permit requirements (awareness)
- Trained resources to collect
- Managing quality of data collection (awareness)
- What data you need to collect (who are you going to provide service for)
- Understanding make ready requirements (awareness)
- Aerial vs buried decisions and data required to collect (awareness)

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3:00 pm - 4:00 pm

INTERMEDIATE: Permits and Environmental Assessments 102
(Palo Verde B)
"NEPA and Section 106 Compliance for Broadband Projects on Tribal Lands 102"

Moderator:
Monica Smith Griffin, President & CEO, Reagan Smith
Blayne Housh, Director of Permitting and Environmental Compliance Reagan Smith
Judy Imlay, Environmental Lead, Horrocks

This panel will discuss design principles applicable to access networks, taking into account the unique needs of every tribal nation. The discussion will emphasize the necessity for flexibility, scalability, and resilience in these networks, which allows them to adapt to changing needs and circumstances. Strategies for accelerating the return on investment in broadband projects will also be explored, focusing on the importance of monetization options and rapid customer intake. Innovative pricing models, partnerships, and customer segmentation will be suggested as strategies. The panel will further delve into practical strategies for designing and maintaining lower operational costs, considering current Fed Gov programs' absence of operational funds. These strategies include efficient network design, automation, and energy efficiency. Lastly, the benefits and drawbacks of IPoDWDM will be examined.

3:00 pm - 4:00 pm

ADVANCED: Future Funding Part 2
(Palo Verde A)
"How to Manage and Execute Your Broadband Grant Project"
CALIX

You have secured a grant to expand broadband access with your community, but what are the next steps to ensure a successful and sustainable project? In this workshop, you will learn from an industry expert and a tribal broadband connectivity program award winner about the post-grant funding phases, such as planning, implementation, evaluation, and reporting. You will also learn how to overcome common challenges, such as regulatory compliance, stakeholder engagement, and technical issues. This workshop is ideal for broadband service providers who want to maximize the impact and value of their grant-funded projects and build long-term relationships with tribal communities.

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4:00 pm - 4:15 pm **NETWORKING BREAK**

4:15 PM - 5:00 PM	Vision/Economic Development	Feasibility/Funding	Best Practices Panel -Current Operators

4:15 pm - 5:00 pm

BEGINNER: Vision/Economic Development (Palo Verde C)

"I Don't Know What I Don't Know"

Moderator:
Jacki Miskimins, Director of Communication & Engagement Vantage point
Barry Walton, Sr. Broadband Solutions Architect, Corning Optical Communications
Darren Dierbeck, Sr. VP of Customer Relations, Vantage Point
Taj Sandhu, Territory Sales Manager, Adtran

Many new entrants are exploring investing in building a fiber broadband network to serve their community. There are many questions and many decisions to make. If you are new to the broadband business, this can be very overwhelming. The good news is our panel of experts are here to help. Our panel will share their real work experiences from network design choices, products that meet today and tomorrow's needs. A few of the topics we will cover are the following:

- Business models
- Designing a network
- Build implementation strategies
- Winning the customer
- Providing an exceptional customer experience
- Operating of the network

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The attendee will come away with a good understanding of the various choices along with understanding of tradeoffs when making decisions. The decisions you make today will determine the lifetime operation of the network and the customer experience.

4:15 pm - 5:00 pm

INTERMEDIATE: Feasibility/Funding (Palo Verde B)

"From Feasibility to Funding: First Steps for Broadband Business Planning Success"

Carl Meyerhoefer, SVP, Business Development, Conexon

We will show you a simplified path to broadband success, starting from square one with proven methodology and best practices for a successful feasibility study. An accurate, realistic feasibility study gives your team the foundation and tools for what comes next – educating stakeholders, gathering community support, and ultimately, implementing strategies to secure capital and operational funding for your project. The transition from feasibility mindset to funding focus is a pivotal step in broadband success –we will guide you through the ins and outs to navigate this next phase with ease.

4:15 pm - 5:00 pm

ADVANCED: Best Practices Panel - Current Operators (Palo Verde A)

Moderator:
Adam Geisler, President & COO, Tribal Ready PBC
Jason Hall, Tribal Broadband Projects Manager, Mohawk Networks, LLC (Saint Regis Mohawk Tribe)
Fred McLaughlin, General Manager, Standing Rock Telecom (Standing Rock Sioux Tribe)
Josh Snow, President, Trace Fiber Networks, LLC (Chickasaw Nation)

This workshop will focus on best practices from the perspective of Native Owned network operators. The objective will be to surface "the good, the bad and the ugly" from an operational perspective to assist those Tribes looking to become (or manage) their own ISP.

5:00 pm - 7:00 pm

EVENING NETWORKING RECEPTION in the Exhibit Hall
(Acacia Ballroom & Foyer)

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WEDNESDAY

April 10th

7:00 am - 8:00 am — **BREAKFAST** (Event Lawn)

8:00 am - 5:00 pm — **Exhibit Hall Open** (Acacia Ballroom)

8:00 am – 9:00 am — **Circles of Success presented by Calix** (Palo Verde A)
(For registered Tribal attendees ONLY)

9:00 am - 9:30 am — **General Session - Day 2**
Remarks by Andrew Berke (Palo Verde Ballroom)
Andrew Berke, Administrator of the Rural Utilities Service, USDA

9:30 am - 10:00 am — **Regulatory Heavyweights – Round 2**

Moderator:
Rob Strait, Partner, Moss Adams,
Derrick Owens, Sr VP of Government & Industry Affairs, WTA
Josh Seidemann, VP, Policy and Industry Innovation, NTCA

Who is predicted to win the Net Neutrality fight? Will ACP go the distance or suffer a knock-out in 2024? Can tribal and rural contenders win the highly decorated fights on location and availability challenges, broadband consumer labels and Digital Discrimination? Will the remaining funding mechanisms and grant programs (BEAD, TBCP, ReConnect) be enough to "go the distance" for tribes? Please join Panel Moderator Rob Strait, Partner with Moss Adams, and two of the industry's regulatory heavyweights - Derrick Owens, Senior Vice President of Government & Industry Affairs at WTA and Josh Seidemann, Vice President of Policy & Industry Innovation at NTCA, as they give their predictions on the regulatory bouts taking place in 2024.

10:00 am - 10:15 am — **The Missing and Endangered Person Event Code**

Moderator:
Loris Taylor, Executive Director, Native Public Media
Alfred Kenyon, Customer Support Branch Chief | IPAWS | NCP, Federal Emergency Management Agency (FEMA)

On March 14, 2024, the Federal Communications Commission voted to propose a Missing and Endangered Person Event Code (MEP). Like an Amber Alert for missing or endangered adults, the MEP Event Code will use the Integrated Public Alert and Warning System (IPAWS) to issue alerts on radio, television, Internet, cell phones, and other platforms. Learn more about Alerting Authorities for Tribal jurisdictions and how to Comment on the MEP Notice of Proposed Rulemaking (NPRM) bouts taking place in 2024.

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10:15 am - 10:25 am

Coffee & Hot Tea Break (Acacia Ballroom / Exhibitor Hall)

10:25 am - 10:35 am

An Introduction to the U.S. Department of Commerce (DOC) Office of Inspector General (OIG), Office of Investigations (OI)
(Palo Verde Ballroom)

Moderator:
Eric Nowicki, Special Agent, U.S. Dept of Commerce, Office of Inspector General, Office of Investigations
Judd A. Leinum, Special Agents, U.S. Dept of Commerce, Office of Inspector General, Office of Investigations

Special Agents with the U.S. Department of Commerce, Office of Inspector General, Office of Investigations, will provide a brief overview of the DOC OIG OI, its mission, and its role in defeating fraud, waste, and abuse.

10:35 am - 11:05 am

NEPA: Environmental and Historic Preservation Compliance

Moderator:
Elaine Moran, Environmental Program Officer, NTIA, Office of Internet Connectivity and Growth

The presentation provides an overview of Environmental and Historic Preservation (EHP) requirements under the National Environmental Policy Act (NEPA) and the National Historic Preservation Act (NHPA) for projects receiving federal funds through NTIA's broadband infrastructure programs.

11:05 am -11:30 am

FBI Cyber
FBI Agent

11:30 am - 11:50 am

Streamlining the Rights-of-Way and Business Lease Application Processes for Federally Funded Tribal Broadband Infrastructure Projects

Moderator:
Carla Clark, Acting Division Chief, Division of Real Estate Services, Office of Trust Services, Bureau of Indian Affairs
Myles Lytle, Environmental Protection Specialist (EPS), Bureau of Indian Affairs-Office of Trust Services

AGENDA

WEDNESDAY

April 10th

11:50 am - Noon

GAO's Recent and Ongoing Tribal Broadband Work

Moderator:
Rebecca Rygg, Senior Analyst, GAO
Nalylee Padilla, Assistant Director, GAO

Remarks on recent and ongoing reviews of the Tribal Broadband Connectivity Program and a new review of federal broadband funding programs.

12:00 PM - 1:00 PM

LUNCH (Event Lawn)

1:00 pm - 1:30 pm

NETWORKING BREAK
Please Visit the Exhibit Hall

1:00 pm - 3:00 pm

WORKSHOP TRACKS
There are two tracks of workshops: the 2-hour Intensives, and the Broadband Experience Workshops. The 2-hour Intensives are listed first on the agenda, followed by the Broadband Experience Workshops. You may select any combination of workshops to attend

1:00 pm – 3:00 pm

NDIA: Native Nation Building Through Digital Equity (Cholla)

Moderator:
Angela Siefer, Executive Director, National Digital Inclusion Alliance
Abi Waldrupe, Senior Digital Navigator Manager, National Digital Inclusion Alliance
Davida Delmar, Digital Inclusion Manager, AMERIND Critical Infrastructure
Abraham Camez, Digital Navigator, Acorn Wireless, Hoopa Valley Tribe
Angela Diahkah, Network Operations Supervisor, Jemez Pueblo Tribal Network

Digital equity that is centered around your Tribe and community is a practice of self-determination. This workshop will provide a robust foundation of the aspects of digital inclusion and digital equity, including information on barriers, successful programs, coalitions, policy, funding, and planning. Native practitioners will provide real life examples from their communities. Staff from the National Digital Inclusion Alliance and AMERIND Critical Infrastructure will facilitate interactive activities that will help you build strategies in your community.

AGENDA

WEDNESDAY

April 10th

1:00 pm - 3:00 pm

State Broadband Directors Roundtable (Yucca)

Moderator:
Godfrey Enjady, President of NTTA | GM of Mescalero Apache Telecom, Inc.
Sandip Bhowmick, State Broadband Director, Arizona Commerce Authority
MJ Barton, Tribal & Programs Outreach Manager, Oklahoma Broadband Office
Brittany Pouley, Digital Equity & Broadband Planner, Department of Commerce, Washington State

Join state broadband officials from around the country for a roundtable discussion of BEAD. Bring your questions for the experts!

3:00 pm - 5:00 pm

FCC Broadband Mapping Workshop (Cholla)

Moderator:
Ed Bartholme, Senior Outreach Director, Broadband Data Task Force, FCC
Ken Akini, Attorney Advisor, Office of Native Affairs and Policy, FCC

In this session on the National Broadband Map and the Broadband Data Collection, FCC staff will review the ways that Tribal governments and providers can help improve the accuracy of the maps on Tribal lands. Staff will focus on how Tribal stakeholders can participate in both the location and availability challenge processes, demonstrate how to engage with the map, and review provider filing requirements. Attendees are encouraged to bring a laptop as there will be an opportunity to review the map for each community and identify where challenges may be appropriate.

AGENDA

WEDNESDAY

April 10th

BROADBAND EXPERIENCE WORKSHOPS —
PICK YOUR TRACK or select individually

Workshop Tracks	**BEGINNER TRIBAL BROADBAND EXPERIENCE:** Individuals or communities with limited familiarity and basic understanding of broadband technology and services in a tribal context.	**INTERMEDIATE TRIBAL BROADBAND EXPERIENCE:** Individuals or communities with some knowledge and experience in utilizing broadband technologies and services in tribal areas, but with room for improvement and growth.	**ADVANCED TRIBAL BROADBAND EXPERIENCE:** Individuals or communities with a high level of expertise and proficiency in leveraging broadband technologies and services effectively within tribal regions, often involving advanced applications and solutions.
1:30 PM -2:30 PM	Beginner: Permits and Environmental Assessments 101	Intermediate: Construction, Supply Chain Partnerships, & Waivers	Advanced: Cyber Security & Outage Management: Ransomware Tabletop Workshop

AGENDA

WEDNESDAY

April 10th

1:30 pm - 2:30 pm

BEGINNER: Permits and Environmental Assessments 101 (Palo Verde C)

"NEPA and Section 106 Compliance for Broadband Projects on Tribal Lands 101"

Moderator:
Monica Smith Griffin, President & CEO, Reagan Smith
Blayne Housh, Director of Permitting and Environmental Compliance Reagan Smith
Judy Imlay, Environmental Lead, Horrocks

This presentation will cover the basics of environmental analysis and cultural resources management under the National Environmental Policy Act (NEPA) and the National Historic Preservation Act. Discussion will include Categorical Exclusions, Environmental Assessments, and Environmental Impact Statements while also covering the basics of cultural resource surveys and requirements. The presentation will cover when and how these documents apply to broadband implementation under the NTIA grants and other sources of funding. It is the goal of the presenter to ensure the audience gains knowledge of how, when, and why environmental analysis and cultural resources surveys are required before infrastructure implementation.

1:30 pm - 2:30 pm

INTERMEDIATE: Construction, Supply Chain Partnerships, & Waivers (Palo Verde B)

Moderator:
Sam Jacobs, Director of Construction, Ervin Cable
Joe Trammell, Director of Rural Broadband Development, Netceed
Jamie Pickup, Regional Vice President of Sales, Hubbell

Netceed, Hubbell, and Ervin Cable Construction bring together key stakeholders in the discussion of forging impactful partnerships between construction firms and supply chain entities to accelerate tribal broadband projects. Attendees can expect insights into successful case studies, lessons learned, and best practices for establishing sustainable alliances. Join us in unraveling the complexities of tribal broadband deployment and discover how strategic partnerships can pave the way for inclusive, culturally sensitive, and technologically robust connectivity solutions.

AGENDA

WEDNESDAY

April 10th

1:30 pm - 2:30 pm

ADVANCED: Competitive Threats & Response: Your Value Proposition (Palo Verde A)
"Ransomware Tabletop Workshop"

Moderator:
Ed Mitchell, Technical Training Manager, CALIX

Cybersecurity tabletop exercises are scenarios of actual attacks that are meant to evaluate the organization's readiness to handle a cybersecurity incident. Join Calix and learn how to do a Cyber & Infrastructure Security Agency (CISA Tabletop exercise.
In the workshop, participants will learn the significance of Security, why they need to practice Security Incident events regularly, where to find resources and assistance, how to conduct a tabletop exercise, how to use a tabletop exercise to develop and update an Incident Response Plan.

2:30 pm - 3:00 pm

NETWORKING BREAK (Acacia Ballroom / Exhibit Hall)

3:00 pm - 4:00 pm	Beginner: Construction & Supply Chain Partnerships	Beginner: Broadband in Action: Role Play	Intermediate: Community Marketing Efforts	Advanced: Fiber Utilization- Future Capacity Considerations

AGENDA

WEDNESDAY

April 10th

3:00 pm - 4:00 pm

BEGINNER: Construction & Supply Chain Partnerships (Palo Verde C)

Moderator:
Sam Jacobs, Western Divisional Director, Ervin Cable Construction, LLC
Joe Trammell, Sr. Director of Rural Broadband Development, Netceed
Chris Bailey, Director of Rural Broadband, Wesco

Netceed, Wesco, and Ervin Cable Construction Directors will be discussing the fundamental steps of planning for and executing key material supply and construction partnerships that will be crucial to ensuring broadband projects are completed timely and efficiently. We will discuss firsthand experiences in rural broadband deployments, lessons learned, and best practices for establishing successful supply chain and construction collaborations that will drive projects forward and mitigate delays.

3:00 pm - 4:00 pm

BEGINNER: Broadband in Action: Role Play (Ocotillo B & C)

Moderator:
Ed Mitchell, Technical Training Manager, CALIX
Arizona Parker, Education Programs Course Developer, CALIX

How does information travel across the Internet to get from one place to another?
How do data packets, equipment, and software interact to form a functioning broadband network?

In this fun role-play activity, learners will be introduced to the fundamentals of passive optical
network (PON) design and model the packet journey from the home subscriber network to the
world wide web.

By the end of this activity, learners will be able to:

1. Identify the physical components of a passive optical network and describe how they work together to transmit data.

2. Describe the path of a data packet from a subscriber to a website destination.

3. Understand the ONT bootup sequence/assignment of an IP address.

4. Recognize common network threats that can disrupt the transmission of data

AGENDA

WEDNESDAY April 10th

3:00 pm - 4:00 pm

INTERMEDIATE: Community Marketing Efforts
(Palo Verde B)
Moderator:
Bridget Watkins, Calix Customer Success, CALIX

You have invested in building a high-quality broadband service, but how do you get people to sign up for it?
In this workshop, you will learn the key steps and best practices of developing a go to market strategy that aligns with your business goals, identifies your target audience, and delivers persuasive messages that appeal to their needs and preferences. You will also learn how to track and improve your marketing performance and avoid common mistakes that can lower your adoption rate. This workshop is ideal for broadband service providers who want to increase their customer base and market share by creating and executing a smart and effective go to market strategy.

3:00 pm - 4:00 pm

ADVANCED: Fiber Utilization-Future Capacity Considerations
(Palo Verde A)
"Fiber Utilization – Capacity Considerations and the Intelligent Middle Mile"

Moderator:
Jack Breeding, Business Unit Leader, Rural and Tribal Nations, Ribbon Communications

It's a bright future for broadband access, especially in the Tribal Nations. The combination of new and cost-effective technologies, the availability of Telehealth, Remote Education and Economic Opportunity, as well as unprecedented Federal Funding is making it possible to build high-quality broadband access to communities long in need. We will discuss the basics of fiber optic data transmission and introduce the most popular technologies in use today for broadband infrastructure.

AGENDA

WEDNESDAY

April 10th

4:00 pm - 4:15 pm NETWORKING BREAK

4:15 pm - 5:00 pm	BEGINNER: Workforce Development	ADVANCED: Competitive Threats & Response; Your Value Proposition
	INTERMEDIATE: Workforce Development	

4:15 pm - 5:00 pm **BEGINNER: Workforce Development -combined with Intermediate Workforce Development Workshop** (Palo Verde B & C)

4:15 pm - 5:00 pm **INTERMEDIATE: Workforce Development** (Palo Verde B & C)

Moderator:
Mikhail Sundust, Executive Director, Digital Connect, Gila River Telecommunications, Inc.
Angela Diahkah, Network Operations Supervisor, Jemez Pueblo Tribal Network (JNET)
Ernie Rasmussen, Executive Director, Bigfoot Telecommunications of the Colville Tribes
Kristan Johnson, Telephone Operations Manager, Tohono O'odham Utility Authority

Learn what these tribes are doing to prepare the workforce for the next generation in the Information and Communications Technology field!

AGENDA

WEDNESDAY

April 10th

4:15 pm - 5:00 pm

ADVANCED: Competitive Threats & Response: Your Value Proposition (Palo Verde A)

"Winning, Keeping and Growing Broadband Customers: Your Value Proposition"

Moderator:
Alice Sanchez, Security Engineering Leader, Cisco (Pomo, Choctaw, and Hawaiian Native)
Matthew Dietz, Government Broadband Solutions Lead, Cisco
Alistair McGrath, Broadband Business Development, Cisco
Aaron Murphy, Broadband Consulting Engineer, Cisco (Diné, Navajo)

Tribal broadband networks have many different customers and are increasingly tugged in different directions. There is the demand of businesses and governments with mission critical applications through to remote rural locations where services include entertainment, distance learning and remote healthcare. Moreover, the network must be affordable, sustainable, and protect all users from rogue agents.

The answer, of course, is a secure, multi-service and multi-access high-performance network to create winning value propositions for an ever-increasing set of demanding customers who all deserve the best and most suitable connectivity options. But how does one build and operate such a network? In this workshop we describe our view of the evolutionary opportunities and the innovations necessary to win and retain all Tribal customers, and indeed, expand beyond Indian Country.

5:00 pm - 7:00 pm

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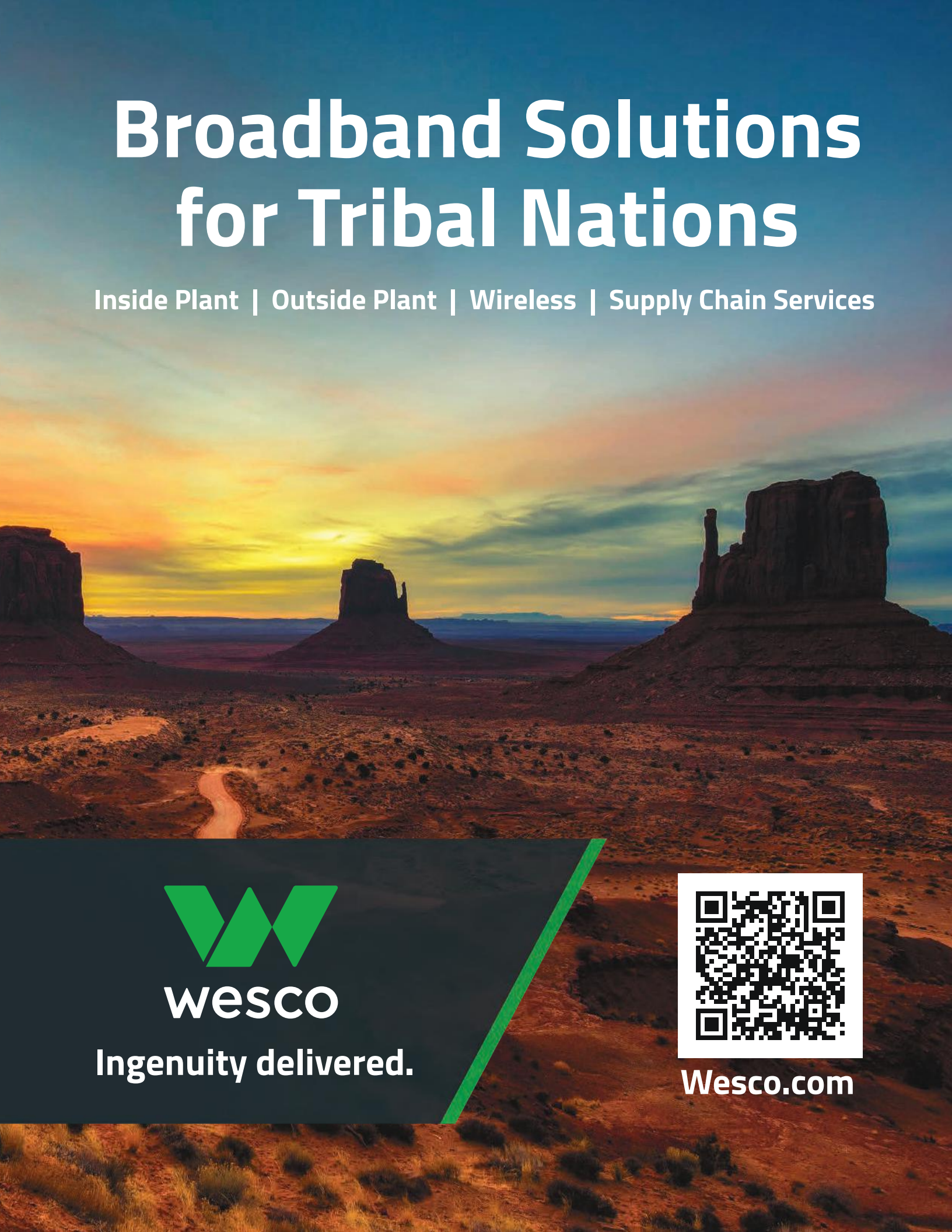
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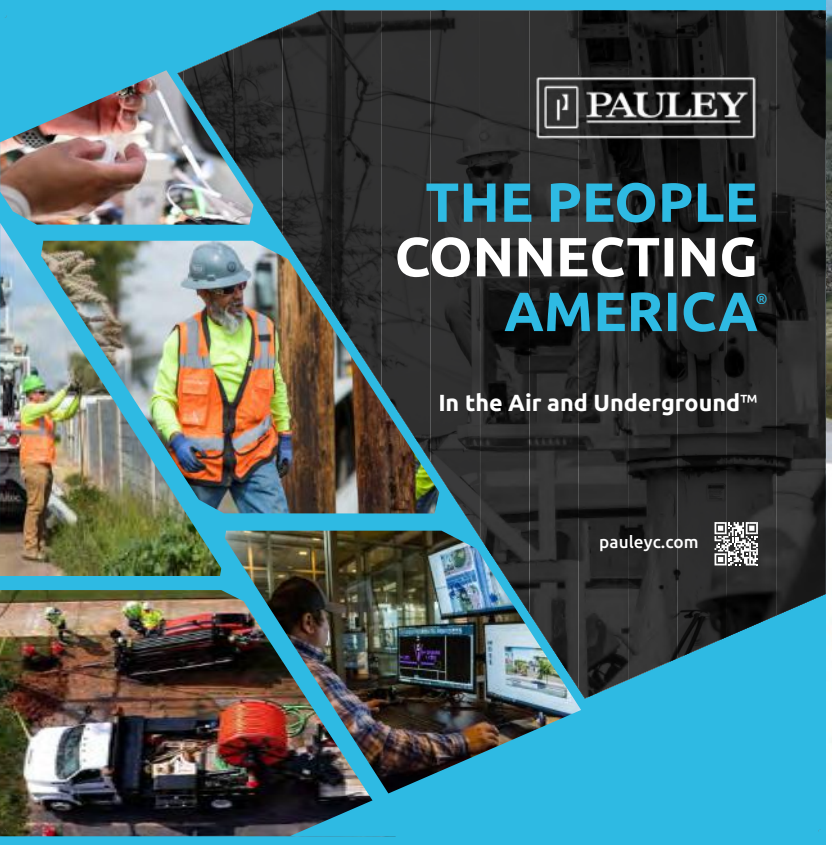
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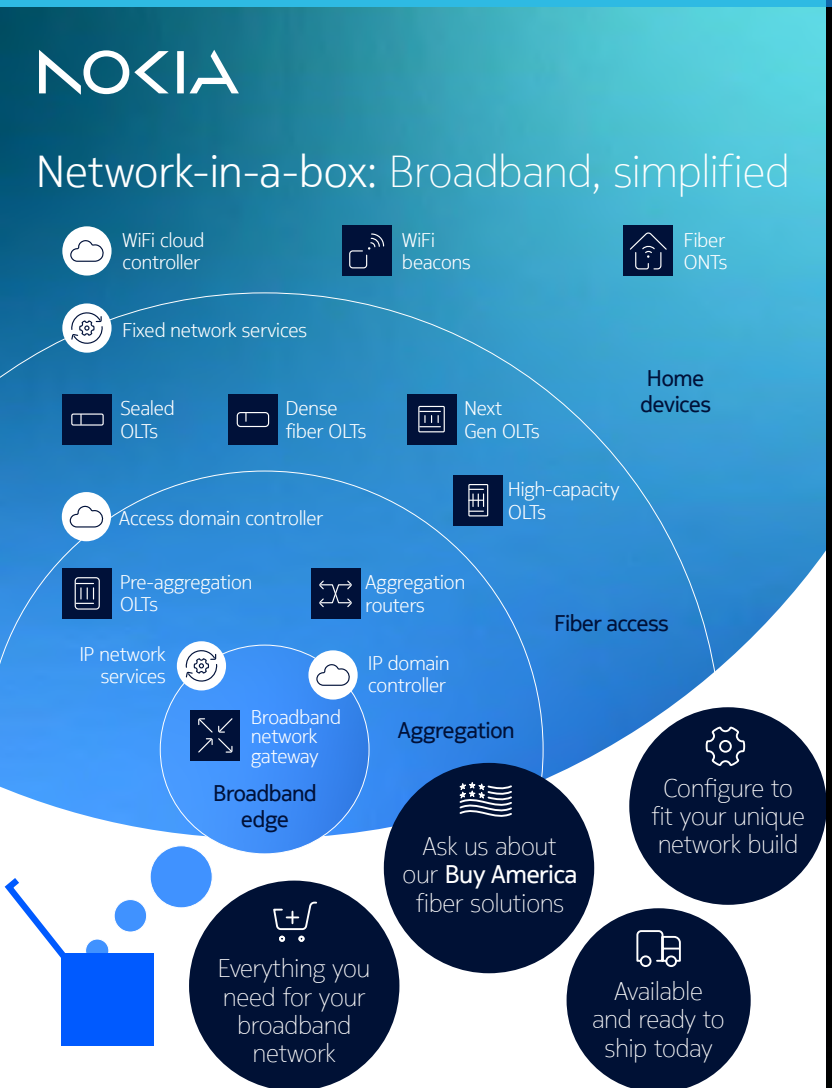
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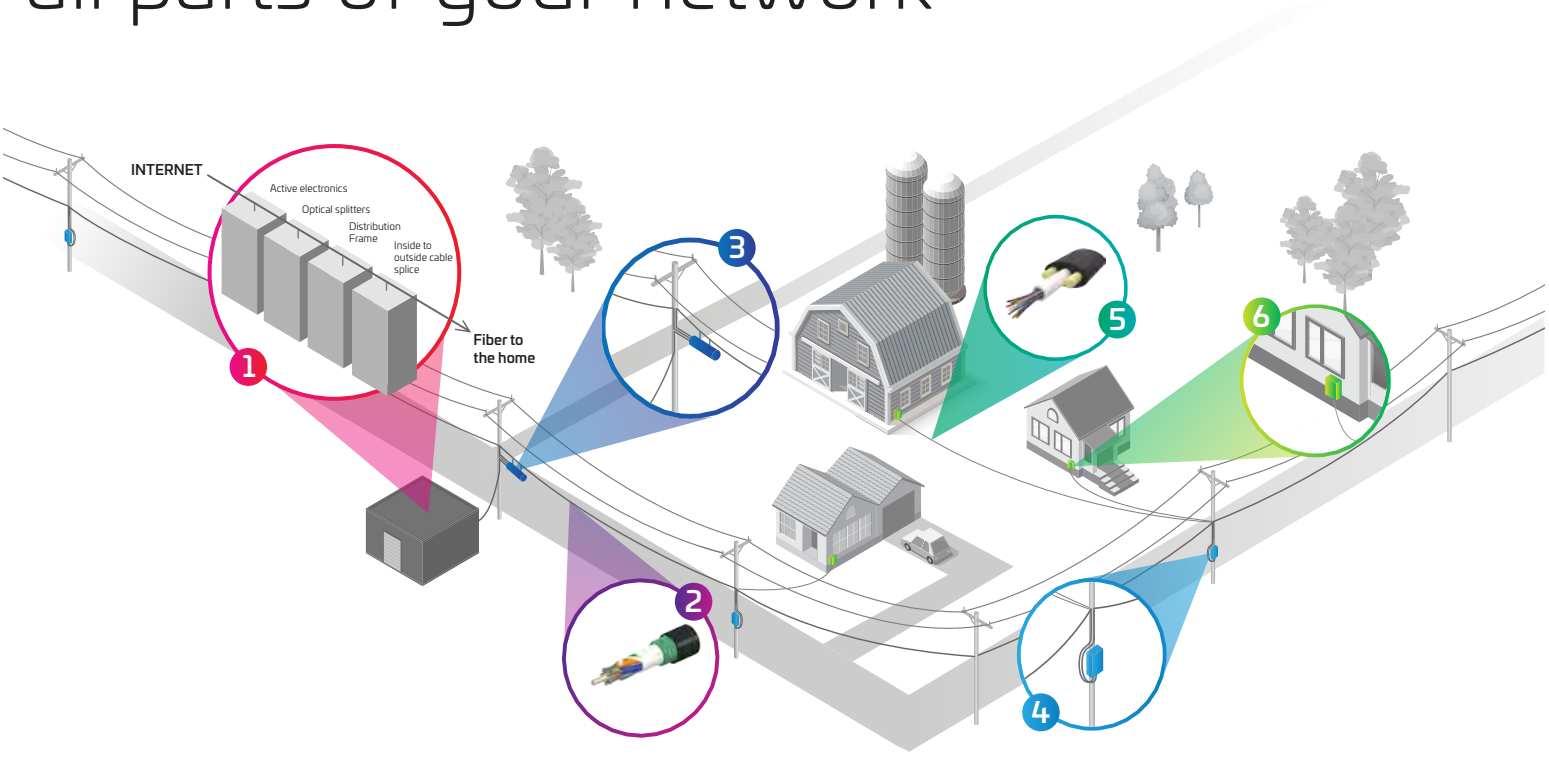

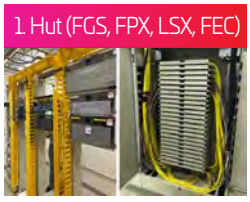
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2. Fiber Cable

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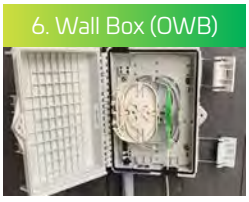
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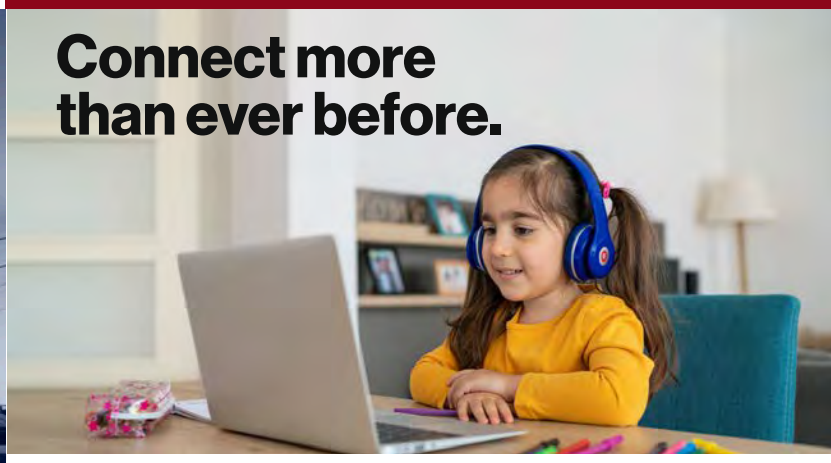

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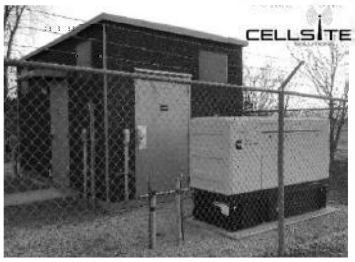

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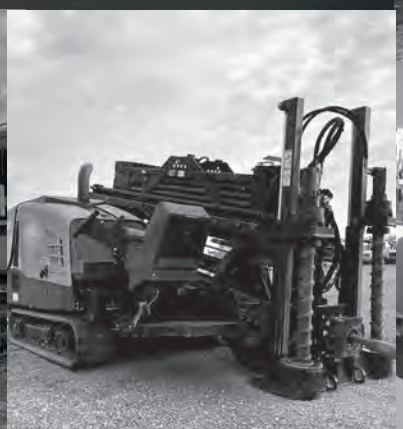

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