<table>
<thead>
<tr>
<th>Cree Indian</th>
<th>Norwegian</th>
<th>Finn</th>
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<td>iyiniwok/Nehiyawok</td>
<td>Nordmenn/Norsk</td>
<td>Suomalainen</td>
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**Partnering & Business Development:**
Arcadian Infracom

**Director of Technology:**
Southern California Tribal Chairmen’s Association
Tribal Digital Village Network

**National Congress of American Indians:**
- Co-Chair Technology and Telecom Subcommittee & Technology Task Force

**California Tribal Advisory Group to: Broadband Council**

**Arizona State University, American Indian Policy Institute:** Board Member

**Native Public Media:** Chairman, Board of Directors, Vice-Chair, Treasury

**FCC:** Native Nations Broadband Task Force

**FCC-CSRIC-IV:** Communications, Security, Reliability, & Interoperability Council IV
Bridging the Digital Divide: Long-Haul Fiber Solving the Middle-Mile Challenge
Existing backbone routes built in 1990s avoided difficult rights of way creating fiber backbones lacking geographic diversity and large broadband “deserts”
In the 4th Quarter of 2016: A study found a deficit of 8000 missing middle-mile fiber to connect reservations in the lower 48 States.
Arcadian Fiber Routes

Connecting Key Data Center Markets for Cloud/Content Customers
Connecting Rural Markets for Local Service Provider Customers

Phoenix to SLC – Phoenix to Denver – L.A. to Dallas
Diverse – Resilient – Direct  Connecting Rural Communities
Who is Arcadian?

- Co-founded by Dan Davis and Derek Garnier in 2018 to solve the supply and demand imbalance for U.S. long-haul dark fiber

  - Arcadian fiber backbone is being built along new rights of way to keep internet connectivity operating when existing fiber backbones get cut (adding geographic diversity and failover function to the internet)

  - Since Arcadian backbone routes are routed through rural lands and communities not touched by existing backbones, those rural and tribal communities get more direct and lower cost access to the internet using new Arcadian fiber routes
Arcadian Background

Rights of Way + Long Haul Fiber Demand = Rural Economic Development Tool + Sustainable, Scaled Business

• Launched to build new long-haul fiber backbone routes through previously bypassed areas of the U.S. to:
  ▪ Provide new fiber routes connecting tech company data centers near major markets
  ▪ Provide new fiber route connecting rural and tribal markets to existing fiber backbones
  ▪ Use long-haul fiber as an economic development tool for rural and tribal communities enabling them to enter the digital-first economy of the 21st century

• We sell dark fiber and high-capacity wavelength transport services to all large-scale network buyers on a non-discriminatory basis

• Arcadian senior team has decades of experience designing, building and operating fiber networks

• We solve difficult right-of-way issues that our predecessors avoided creating:
  ▪ New fiber backbones through rural & tribal communities far from existing fiber backbones, solving the internet backhaul problem/improving broadband access for these communities
  ▪ Improved national fiber backbone redundancy and resiliency to avoid downtimes when existing fiber backbone routes get cut
  ▪ A scalable fiber development, construction and operations company that can replicate these outcomes across broad swaths of rural and tribal US lands
The Arcadian Team

Dan Davis
CEO
25+ Years Experience
CenturyLink
LightCore
Bryan Cave

Andy Whipple
Finance
25+ Years Experience
Zoltek ● Deloitte
PwC ● CenturyLink
LightCore

Patty Fry
Controller
25+ Years Experience
Wise F&I ● Liuna
Schmersahl
Tarloar & Co

Brandon Porter
General Counsel
12+ Years Experience
World Wide
Technology
Equifax ● CenturyLink
DISA ● Air Force JAG

Derek Garnier
Co-Founder &
Social Impact
30+ Years Experience
Wave ● AboveNet
MFS

Jeri Wolf
VP of Engineering &
Operations
20+ Years Experience
CenturyLink ● Qwest
OnFiber ● MasTec

Vic Peterson
Sr. Dir. Engineering
& Construction
30+ Years Experience
Air Force ● Microsoft
Zayo ● MCI

Mike Hazel
Dir. Right-of-Way
Acquisition
40+ Years Experience
Navajo Tribal Utility
MTI ● Bell Atlantic

Rick Waterman
Field Construction
Manager
40+ Years Experience
Navajo Tribal Utility
MTI ● Bell Atlantic

Tiffanny Hale
Project Manager
25+ Years Experience
CenturyLink ● Qwest
US West

Denise Villa
Partnering &
Bus Dev
20+ Years Experience
CenturyLink ● Level 3
AT&T ● Sprint

Scott Terrill
Partnering &
Bus Dev
20+ Years Experience
Comcast ● CenturyLink
Pulse Broadband

John Pignatelli
Partnering &
Bus Dev
35+ Years Experience
Zayo ● Savvis
Cable & Wireless

Matt Rantanen
Partnering &
Bus Dev
20+ Years Experience
FCC Native Nations
Taskforce ● Tribal
Chairman’s Assn.
Navajo Nation / Arcadian Fiber Project Partnership

Project Detail

• 288+ fiber strands
• 2,800 miles
• 300+ miles on Navajo land
• Underground construction
• Regeneration huts installed
• Diverse route for data center park connections

Communities Served

• Shiprock
• Mexican Water
• Kayenta
• Tonalea
• Tuba City
• Cameron
• Page
Arcadian Fiber Backbone Enables Navajo Economic Development

- Participate in the digital economy of the 21st century
- Remote Learning (K-12 and University)
- Enable advanced 5G services
- Telemedicine and Healthcare
- Use and Protection of Natural Resources
- Work From Home
- Public Safety
Arcadian Backbone Enables 5G Networks On Rural and Tribal Communities

Third Party Towers

Arcadian Fiber Hut

To Phoenix

Arcadian Fiber Backbone

Arcadian Fiber Hut

To Salt Lake City

Third Party Wireless Networks Connecting Communities to Arcadian Backbone

Third Party Fiber Routes Connecting Communities to Arcadian Backbone

5G Small Cell Tower
Colorado Route Details

- Arcadian investment in Colorado fiber Infrastructure
- 348 route miles within Colorado
  - 288 minimum fiber count
- 7 equipment building locations
  - Every ~50 miles
  - Housing optical fiber transmission equipment, edge compute and other infrastructure for improved local broadband access
- ~500 Handholes strategically placed along the route for local broadband access and connectivity
- Targeting termination at 910 15th Street
Social Impact Creates Competitive Advantage

Good Policy Drives Good Business Which Benefits Customers, Investors And The Arcadian Team

Arcadian method of closing the urban/rural digital divide is key to unique and/or exclusive rights-of-way and permitting

- Management believes that underground fiber construction method and timing of permit issuance are key drivers of construction costs
- Based on management’s experience, 90+% of rights-of-way permits are issued by governmental entities controlling those rights-of-way
- Solving the rural and tribal broadband access issue has support across political boundaries at all levels of government
- Arcadian uses a consultative approach with political and governmental entities in selecting Arcadian fiber routes
- Arcadian offers a cost-free method to meet the rural economic development and political needs of governmental rights-of-way decision makers

A social impact effect is a competitive advantage in winning business with global technology companies

- With increasing diversity and ESG requirements for vendors among global technology companies, the Arcadian customer’s choice of vendors is influenced by a vendor’s social impact story
- Arcadian is already partnering with policy and impact teams within multiple hyperscale customers to deploy resources ahead of Route 1 completion
- Bringing improved broadband access to severely underserved rural and tribal governments will create meaningful impact within those communities, which resonates with hyperscale/cloud customers seeking high profile ways to benefit the communities they touch
- The Arcadian leadership team has broad diversity characteristics across gender, orientation, race and ethnicity which aligns well with customer objectives to support vendors embracing diversity and inclusion

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