



# NEW MEXICO'S BROADBAND STRATEGIC PLAN

LFC BRIEF IN TAOS  
SEPTEMBER 22, 2022

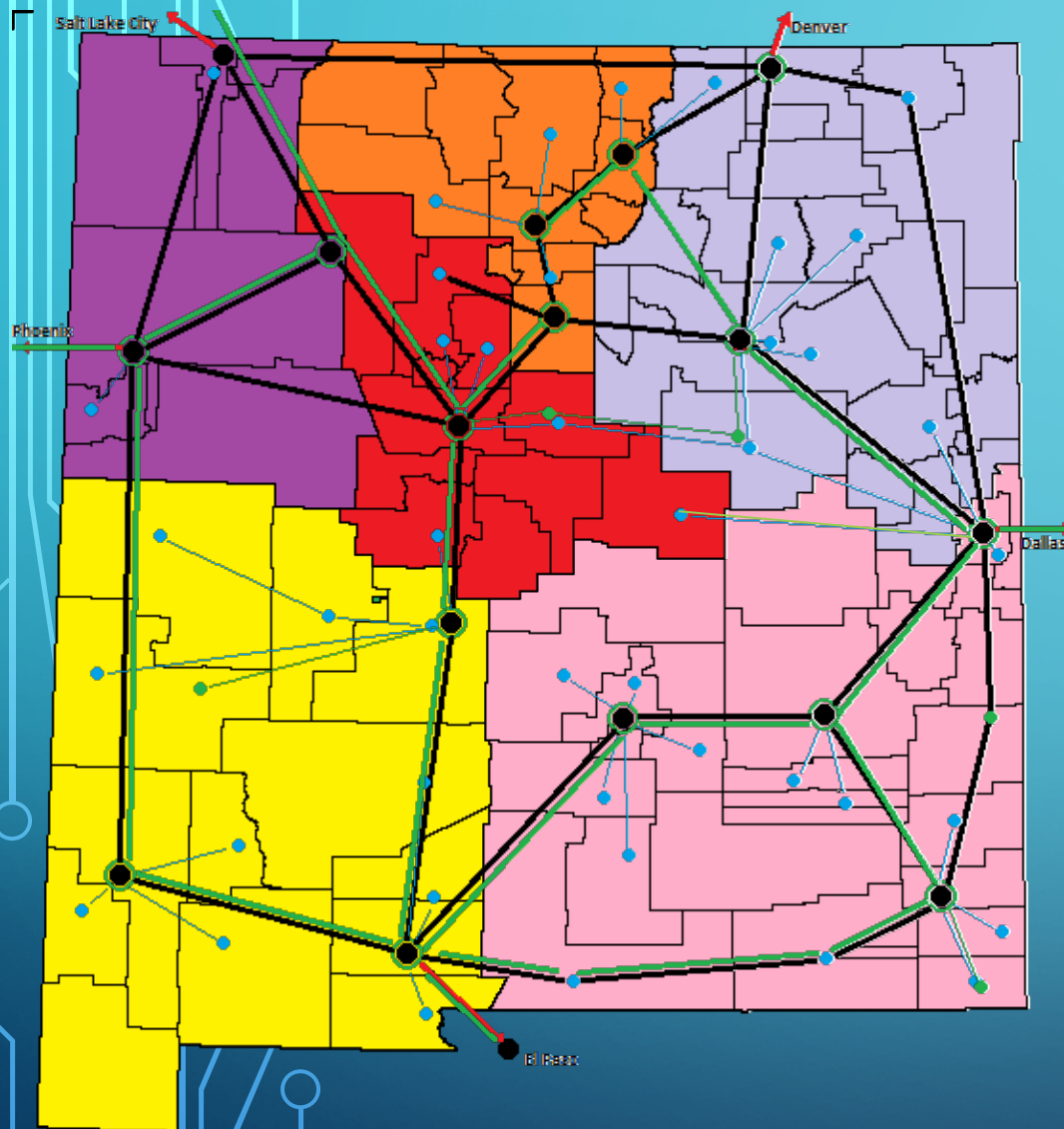
KELLY SCHLEGEL, DIRECTOR  
OFFICE OF BROADBAND ACCESS AND EXPANSION

# ACRONYMS

- ARPA – American Rescue Plan Act of 2021
- BEAD – Broadband Access Equity and Deployment
- CNMC – Connect New Mexico Council
- FCC – Federal Communications Commission
- FTTH/FTTP – Fiber to the Home/Fiber to the Premise
- OBAE – Office of Broadband Access and Expansion
- NTIA – National Telecommunications and Information Administration
- TCP - Tribal broadband Connect Program
- USDA – US Department of Agriculture

# EXECUTIVE SUMMARY

- **NEW DIRECTOR'S EIGHT-WEEK ACCOMPLISHMENTS**
  - MET ALL FEDERAL FUNDING MILESTONES TO CAPTURE FUNDS
  - NOTICE OF FUNDING FOR ARPA FUNDS
  - ADDED 4 PEOPLE TO OBAE OFFICE
  - DIGITAL EQUITY REPORT FOR OCT. 1 DELIVERY
  - COMMUNITY ENGAGEMENT AND TRIBAL CONVENING ON SEPT 12
  - DEVELOPED MIDDLE MILE AND LAST MILE STRATEGY
  - WORKING CLOSELY WITH CNMC
  - SOME DEPLOYMENT PROJECTS UNDERWAY
  - IDENTIFIED CANDIDATE LEGISLATION TO REMOVE OBSTACLES
  - SEE FULL LIST OF ACCOMPLISHMENTS AT BACK




## SEN is foundation for the State Middle Mile

- ▶ Nodes
- ▶ Major Routes/**Internet**
- ▶ “Meet me” aggregation points
- ▶ Upgrading electrical and cooling systems for Higher Ed facilities housing SEN Nodes
- ▶ Adding key corridors, closing of rings for resiliency and a box around the SEN
- ▶ Becomes launching points for last mile

See More Detailed Strategy on Slide 11





## 2024 FUNDS NEEDED TO CAPTURE FEDERAL FUNDS

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NTIA Middle Mile application for September 2022 needs  
30% match to \$88M: = \$26.5M

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NTIA BEAD application for May 2023 needs 25% match  
\$700M = \$175M

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Total Matching Funds: \$200M

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OBAE office to grow by 4 Full Time Equivalent (FTE): \$500K

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Special appropriation estimate in progress: Middle Mile and  
Last Mile will exceed \$1 B from federal funding

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Tribal lands may require fees for ROW – need estimate

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An abstract graphic on the left side of the slide, consisting of a network of white lines and small circles on a blue gradient background. The lines are vertical and horizontal, with some diagonal segments, and the circles are small and white, resembling nodes or components of a circuit.

**QUESTIONS?**

A decorative graphic on the left side of the slide, consisting of a network of white lines and circles on a blue gradient background, resembling a circuit board or a neural network.

# DIRECTOR'S EIGHT-WEEK ACCOMPLISHMENTS

- ✓ Funding: met key milestones for submitting plans for federal funding:
  - ✓ Digital Equity July 18; BEAD August 15 and Middle Mile September 30; ARPA September 24
  - ✓ Announced Notice of funding grant program August 8 and set 3 app windows. 4 webinars and application portal; added alternative technologies
- ✓ Staffing well underway:
  - ✓ Hired 4 people: Exec Assistant (on board), GIS (starts Oct. 3), Ops Manager (on board), offer to Deputy Director
  - ✓ Developed 6 contracts, SOWs, and Work Orders for 6 consultants to get help
  - ✓ Hired Finley as engineering consult firm and CTC as Program management firm
  - ✓ Compliance manager and grants manager interviews in process

# EIGHT-WEEK ACCOMPLISHMENTS (CONTINUED)

- ✓ Digital Equity and data collection report to LFC Oct. 1 per HB 10 on track and detailed Broadband plan Jan. 1 based on consortium plan
- ✓ Community Engagement:
  - ✓ Held Tribal Convening Summit Sept. 12 starting a series of quarterly tribal summits
  - ✓ Traveled to 5 site visits to understand needs and fold into broadband plan
- ✓ Coordinating with FCC for accurate maps
  - ✓ Map Challenge Summit Sept. 23
  - ✓ Data Analysis





# EIGHT-WEEK ACCOMPLISHMENTS (CONTINUED)

- ✓ Developed Middle Mile and Last Mile Strategy based on 5 pillars
  - ✓ Coordinated with Public School Facility Authority (PSFA) for Statewide Education Network (SEN) as foundation for Middle Mile – Potential Joint Powers Agreement to be reviewed by Public School Capital Outlay Council (PSCOC)
  - ✓ Two RFIs to ISPs and tribes to coordinate letters of support
  - ✓ Visited candidate nodes, meet me aggregation points at higher ed locations. Got agreement for new node locations
  - ✓ Submitted GEER II application to fund the node facilities to have the right electricity, cooling and generators
  - ✓ Drafting legislation to remove obstacles:
    - ✓ Anti-donation
    - ✓ ROWs
    - ✓ P3's
    - ✓ Clean-up of HB10 and SB93

# EIGHT-WEEK ACCOMPLISHMENTS (CONTINUED)

## Developed key relationships

- ✓ CNMC for rulemaking and defining roles of CNMC, DOIT and OBAE. Participate in 6 Working grps
- ✓ Started workforce development program planning
- ✓ Developed plan for 4 rural clinics to get connectivity for telehealth appointments
- ✓ Briefed several LFC subcommittees (STTC 2x, TIRS, Rural subcommittee on progress and plan

# MIDDLE MILE AND LAST MILE STRATEGY

- Implement SEN to establish regional aggregation sites (Nodes) operations with E-rate funding (for sustainability)
- Use Nodes as landing sites for existing and new Middle Mile (supporting ISP and state coordinated NTIA applications)
- Maximize NTIA funding for Last Mile with all the tools at state's disposal (mapping etc...)
- Coordinate Last Mile deployment while removing all obstacles (permits, ROW & pole attachments)
- Broadband is complex and will require manpower to properly implement (adequate for a \$1-3B program over 5 years)
- Strategy and plan must be developed with input from rural NM, local ISPs and tribes
- Develop and implement a robust digital equity statewide program
- Celebrate victories along the way





## LESSONS LEARNED

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Broadband and Information Technology are different

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Broadband is complex and will require manpower to properly implement (adequate for a \$1-3B program over 5 years)

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Strategy and plan must be developed with input from rural NM, local ISPs and tribes