

RURAL ECONOMIC OPPORTUNITIES TASK FORCE

Joint meeting with the Legislative Interim Indian Affairs Committee

August 4, 2021

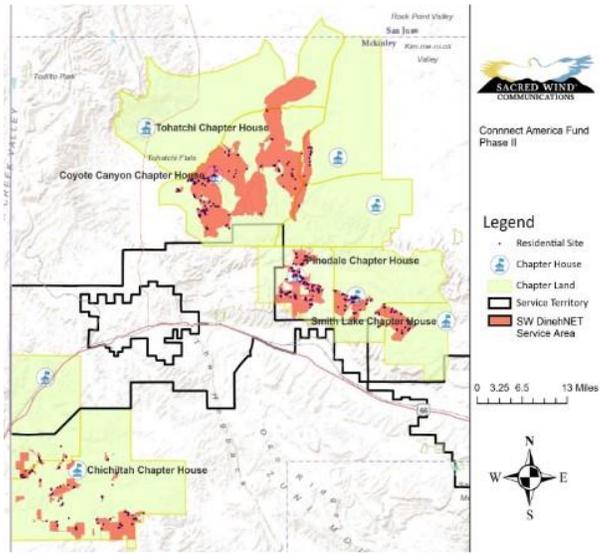
Sacred Wind Communications Broadband Initiatives

1. Proactively pursues federal, state resources to supplement company resources for broadband expansion to rural areas
 - 2006 – USDA Loan, \$55 Million for fiber to microwave infrastructure
 - 2015 – NM PRC USF \$5 Million 5-year Construction grant with 100% match
 - 2016 – USDA Loan, \$13.8 Million for Fiber route and broadband cabinets
 - 2018 – FCC CAF II auction: \$2.2 Million for 300+ square miles of Navajo Lands
 - 2019 – USAC erate grant, \$3.4 Million to schools in Pueblo Pintado Chapter
 - 2019 - USAC erate grant: \$34 Million for fiber to all Navajo Chapters in New Mexico
 - 2020 - FCC RDOF auction: \$2.6 Million for Fiber to the Home in Rock Springs Chapter
 - 2020 - USDA ReConnect grant: \$6.1 Million +n \$2.1 Match: Sierra County FTTH

2. Innovatively utilizes a mix of technologies for rural broadband solutions
 - First to introduce broadband to Navajo Lands, using fiber to *fixed* microwave
 - First to achieve 25 Mbps download to the home on Navajo Lands
 - First to achieve 100 Mbps by fixed microwave in New Mexico
 - First to install fiber to the home on Navajo Lands
 - First to trial millimeter wave in New Mexico
 - Exclusive use of Navajo Nation’s 2.5Ghz license to serve underserved Navajo areas
 - Testing HAPs airship for broadband delivery

Partners with others to strengthen “village” solutions

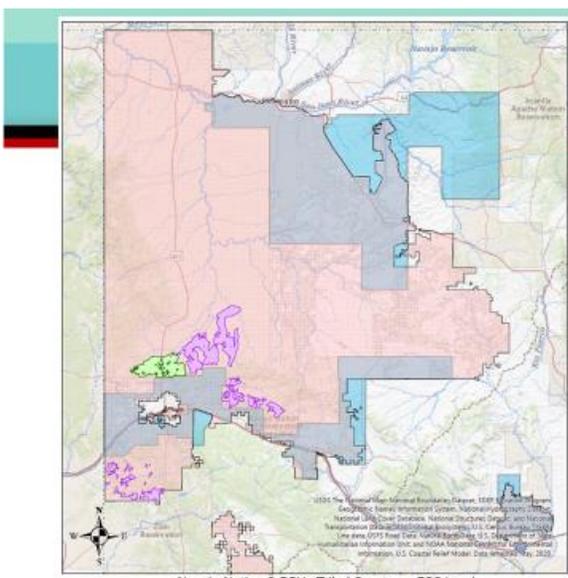
- 2010 – Revived Pueblo of Laguna \$3 Million USDA CCG grant for broadband network
- 2018 – Acoma Pueblo e-rate grant, \$2.2 Million for Acoma Pueblo fiber to school
- 2018 – Microsoft Airband Partnership: \$1.5 Million to expand broadband in NM
- 2019 – Arrey Elementary School: \$2 Million for fiber to district office in TorC
- 2020 – Sierra Electric Coop & Sierra County: Fiber to the Home to 1400 homes
- 2020 – Navajo Technical University: \$1.2 Million for 2.5 Ghz broadband to students



CAF II

- Award Amount - **\$2,038,736.40 over 10 years**
- **4 New Towers and adding new radio equipment to 8 leased Tower Sites** in Navajo Nation
- **831 est. subscribers** in CAF II territory
- **526 est. subscribers** outside CAF II territory
- ECD 3rd quarter of 2022

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Confidential Information

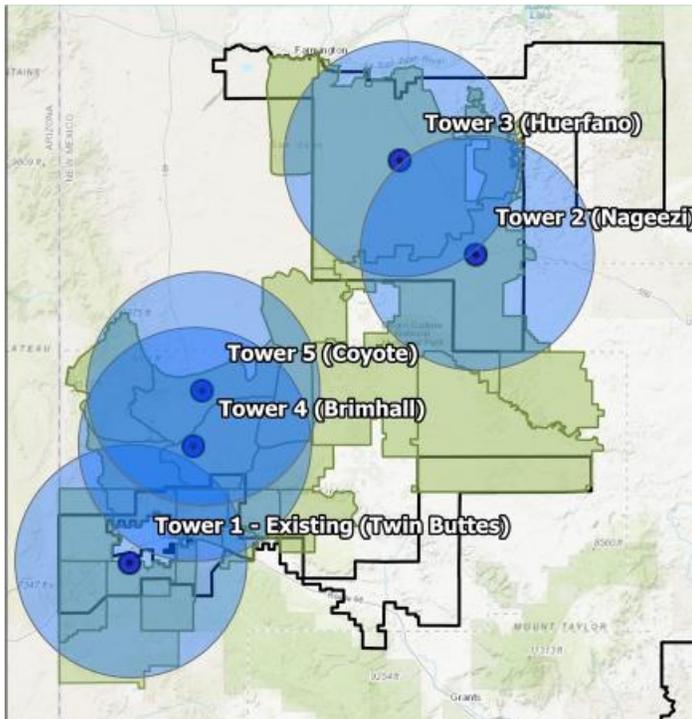


Navajo Nation 2.5 GHz Spectrum Expansion Plan

- The Navajo Nation has granted SWC sole use of 2 channels as part of its 2.5 GHz spectrum lease to SWC
- SWC's 2.5 GHz expansion plan will help facilitate broadband access to the entire Eastern Navajo Agency in NM - over 1 million acres of land
- Over 3000 potential new customers
- Expansion plan requires 50% population coverage by 2022, and 80% population coverage by 2025
- Possible funding source of \$8 million from the NN (COVID-19 relief funds from the American Rescue Plan)

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Proprietary and Confidential Information





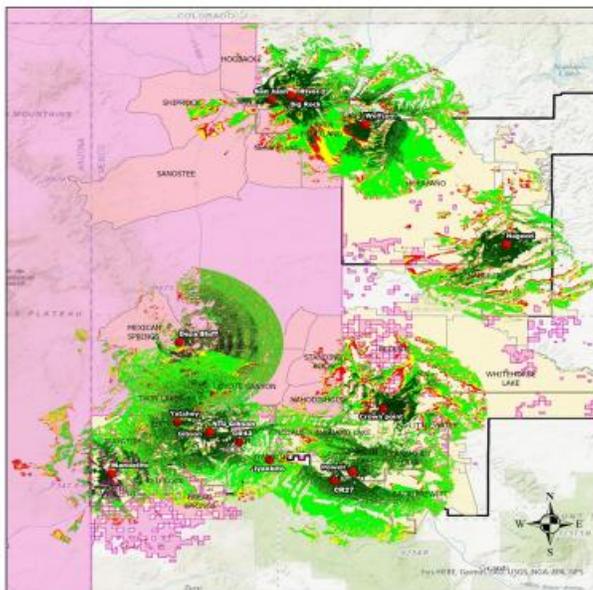
Microsoft Deployment
 Huerfano Chapter Tower
 Nageezi Tower
 Coyote Tower
 Brimhall Tower



Microsoft Project

- SWC is the exclusive commercial partner for Microsoft in New Mexico
- Award Amount - **\$1,500,000**
- **4 New Tower Sites** in the Navajo Nation
- 2 of the 4 Tower Sites are CAFII sites (Paid by this award)
- ECD 3rd quarter of 2022

Legend
 20 Mile Buffer Zone
 Tower Site
 Service Territory
 Chapter Boundary



NTU 2.5 GHz Collaborative Project

- Award Amount - **\$1,203,943.68**
- Demonstration of the 2.5 GHz spectrum at **14 tower sites** in and around the Navajo Nation
- The project aims to connect at least **500** rural Navajo homes/locations, with reduced broadband rates for students
- ECD 2nd quarter of 2022

0 6.25 12.5 25 Miles



2.5 GHz Navajo Tribal Spectrum
 Sacred Wind Communications, Inc.
 Navajo Technical University

Legend
 Navajo Nation Reservation
 Tribal Spectrum Coverage
 Sacred Wind Territory
 Navajo Chapters
 2.5 GHz Tower Sites

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 Confidential Information

