



FCC Field Hearing
Spectrum & Mobile Apps
San Diego, October 8, 2009

Formula for remote Tribal areas

- Local company w/ local focus
- Whatever it takes approach
- Federal partnership:
 - ETC eligibility
 - RUS funding available
 - Spectrum allocation

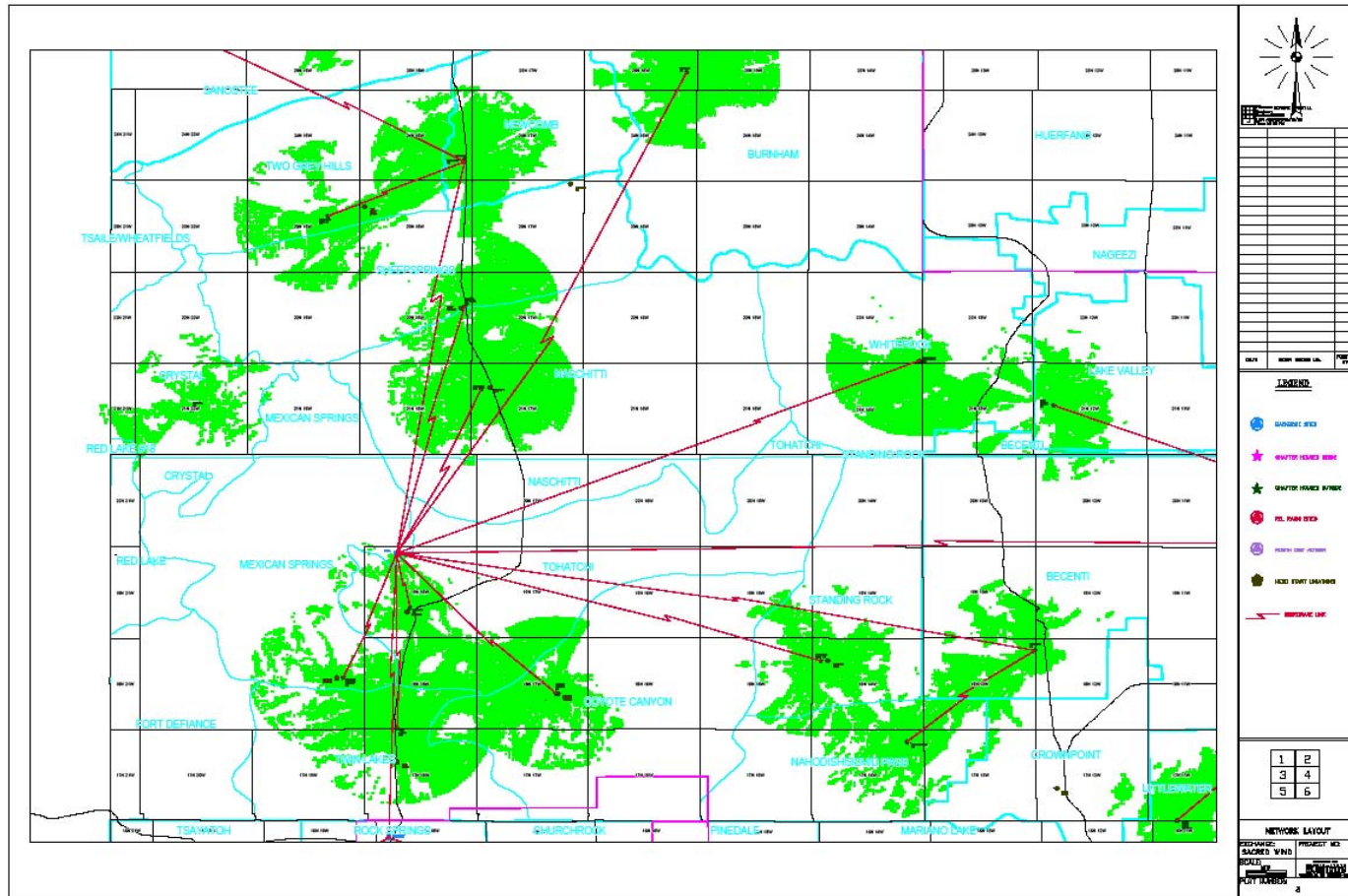
Customer distribution



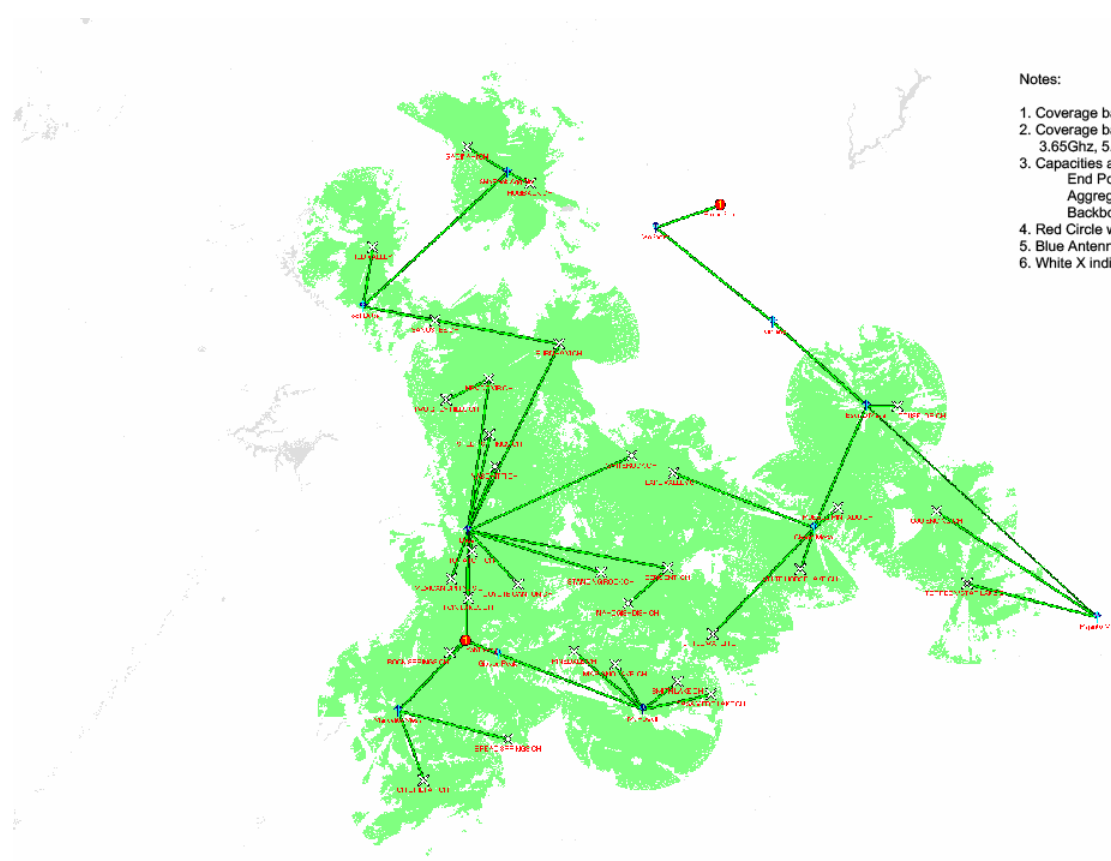
Fixed wireless LOS



3.65 Ghz coverage Navajo eastern Chapters



RF Coverage - multiple frequencies



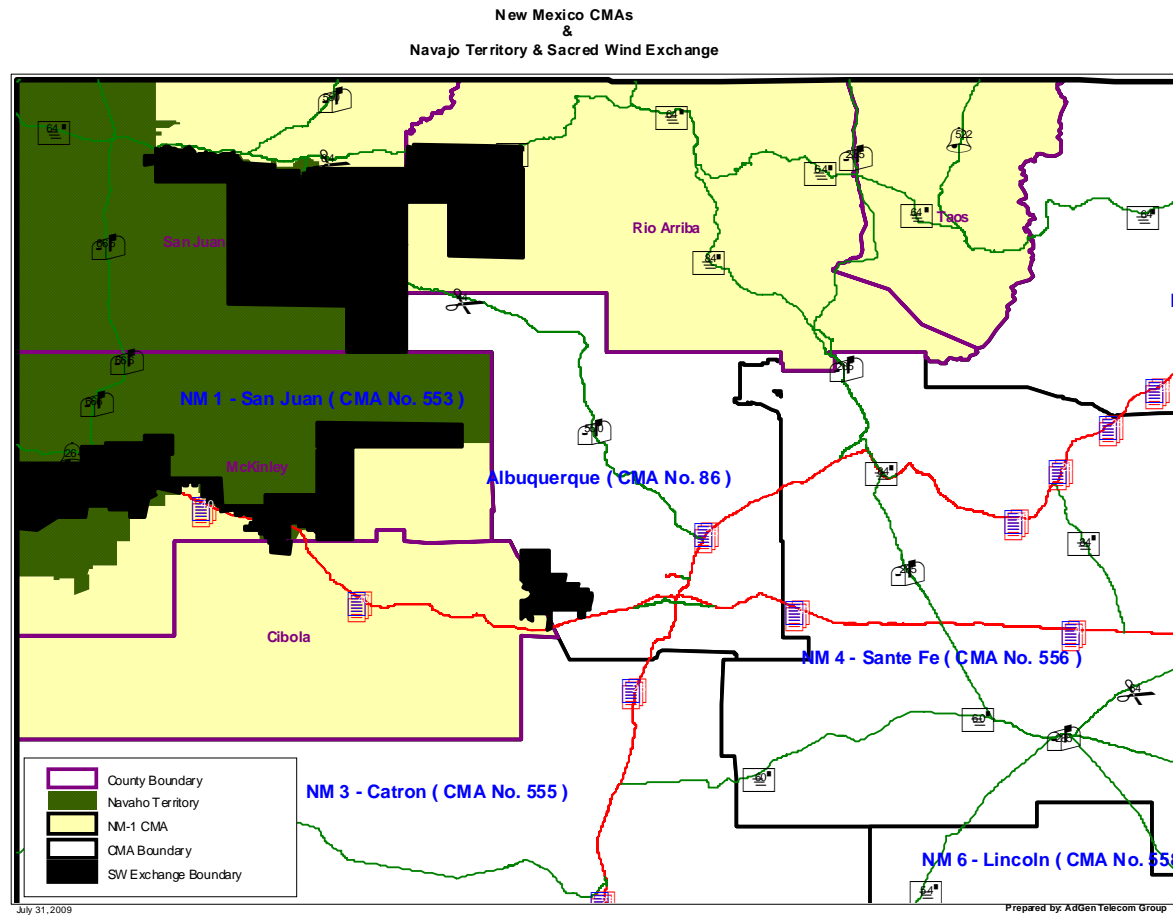
Notes:

1. Coverage based on 140' CL and a cell radius of 15 miles.
2. Coverage based on multiple frequencies 700Mhz, 900Mhz, 2.4GHz, 3.65GHz, 5.4GHz, 5.8GHz.
3. Capacities are as follows:
End Point Links 45Mbps
Aggregation Links 100Mbps
Backbone Links 300Mbps
4. Red Circle with #1 - designated ingress, egress points
5. Blue Antenna indicates backbone facilities
6. White X indicates end point or aggregation facilities

SACRED WIND COMMUNICATIONS
BROADBAND INITIATIVES PROGRAM (BIP)
NETWORK LAYOUT/COVERAGE

Scale 1" = Approx. 16 miles

FCC spectrum auctions





- Vote for Sacred Wind
- www.nbc.com/shinealight

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