BRINGING BROADBAND TO THE

FAIRBANKS AREA, THE KENAI PENINSULA, & OTHER PARTS OF ALASKA

NOVEMBER 22, 2017

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AGENDA

- Bringing Broadband to the Kenai Peninsula and Fairbanks Area
- Fixed Wireless Technology
- What's Next

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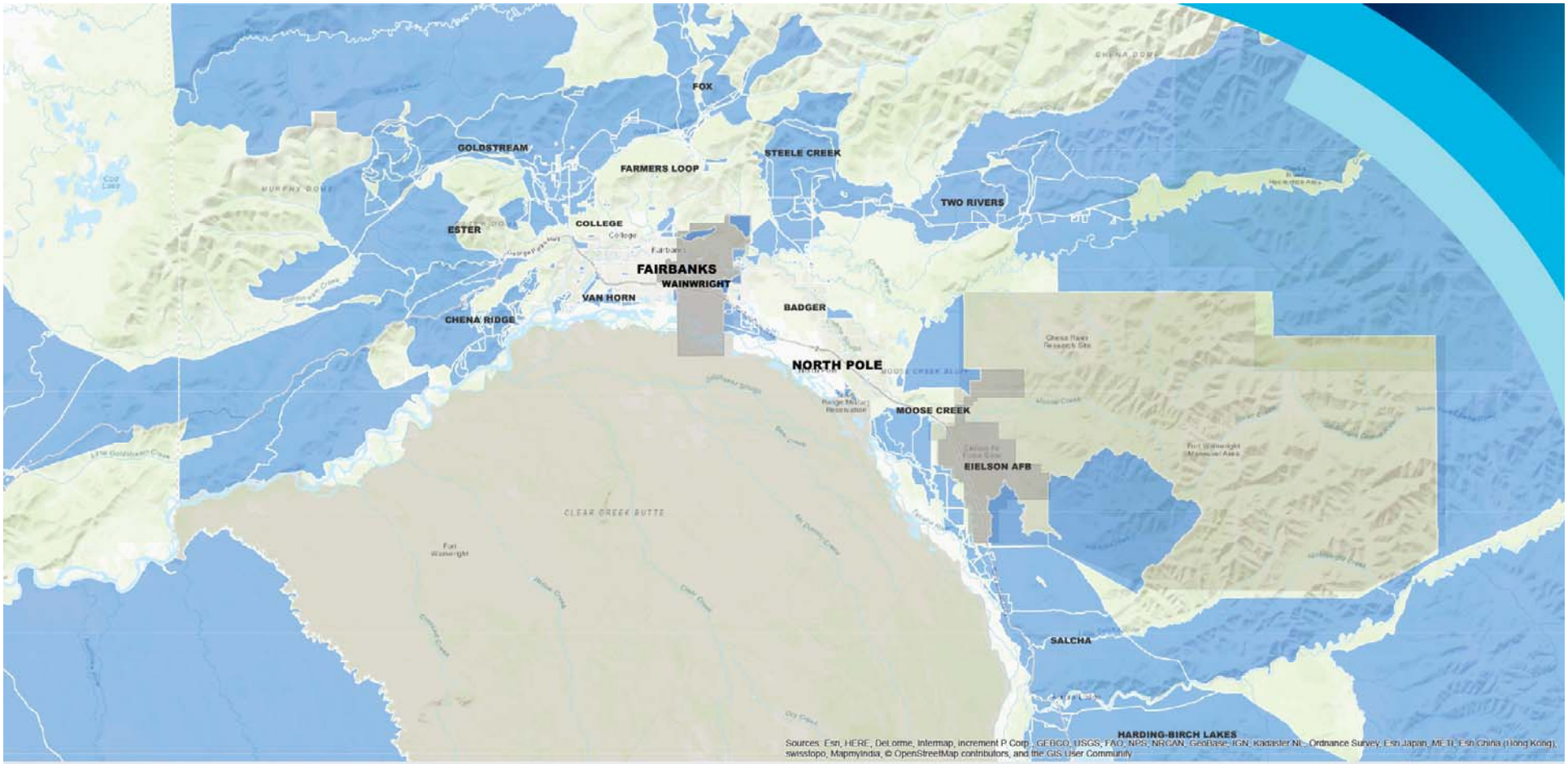

COVERAGE

BLUE REPRESENTS POTENTIAL ELIGIBILITY FOR CAF 2

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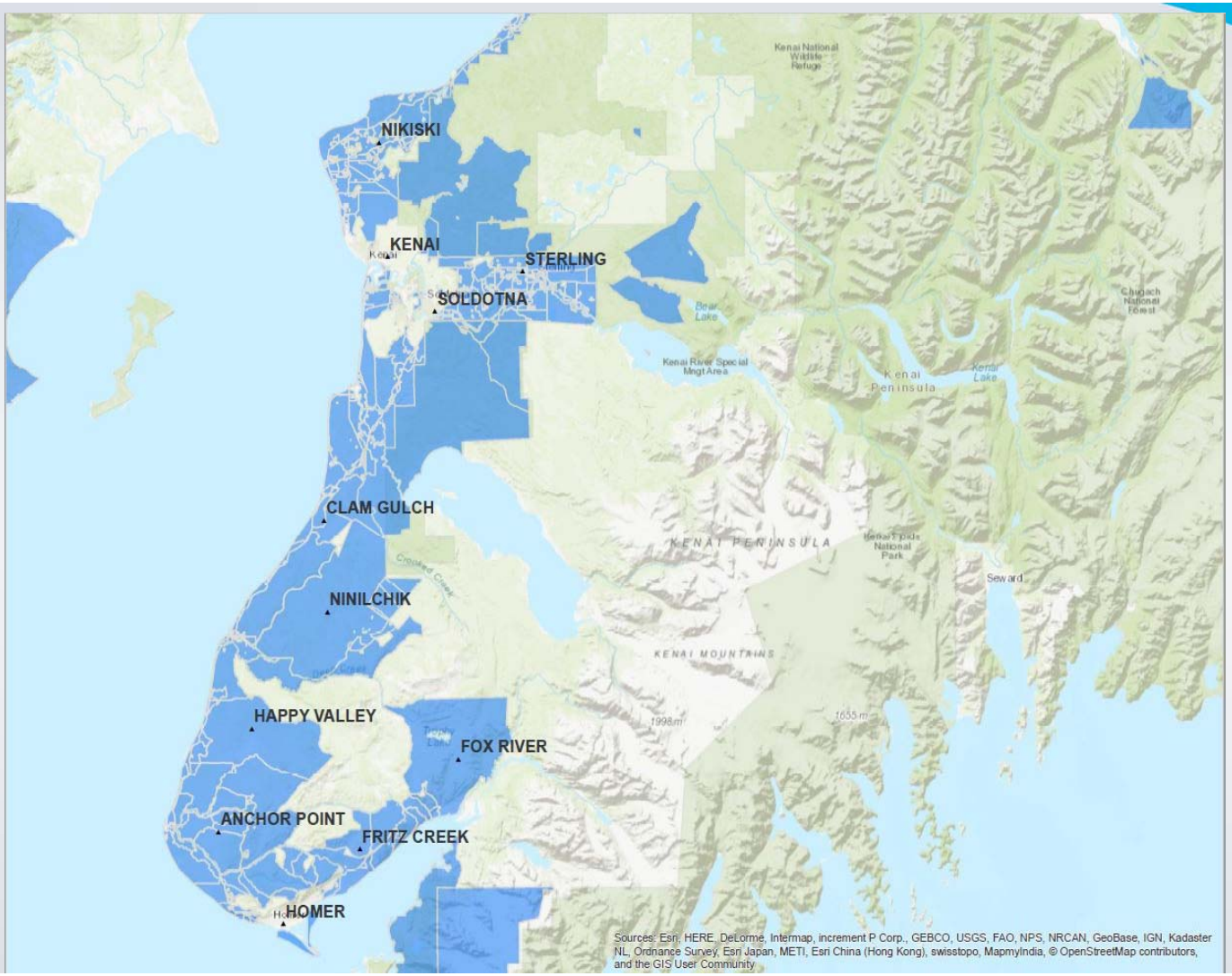

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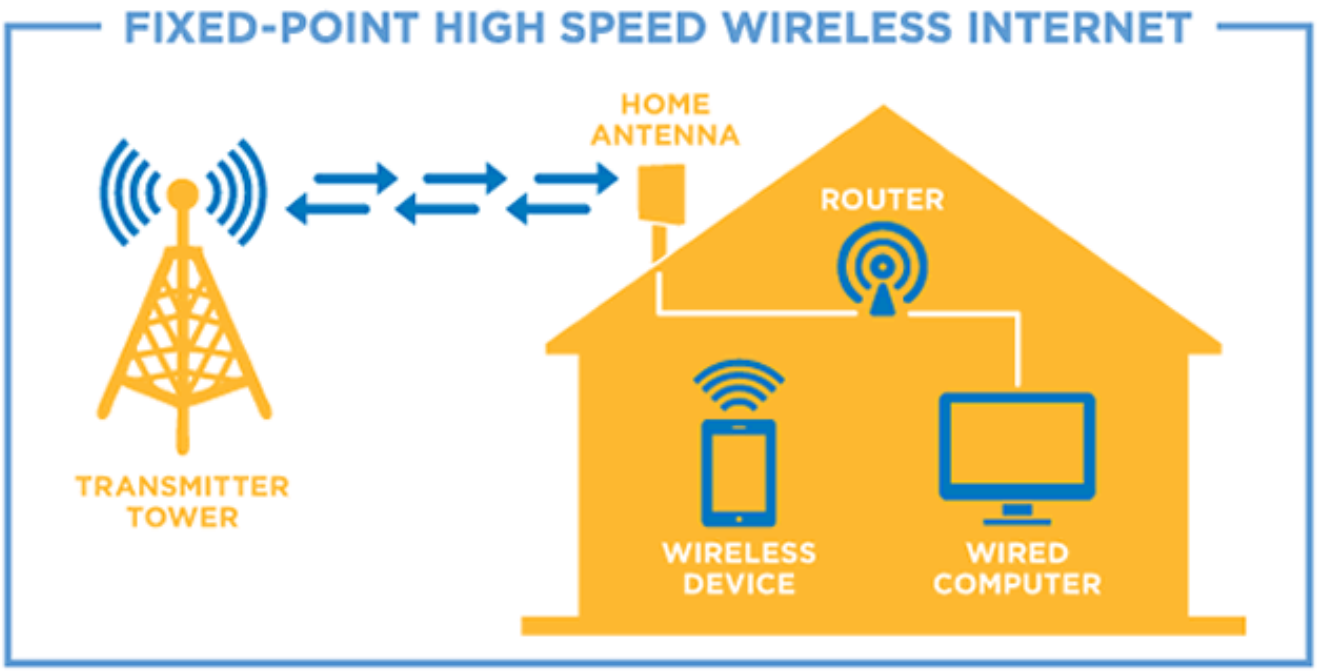
OVERVIEW



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Fixed Wireless

- Distinguished from mobile wireless
- Can mean different things depending on application:
  - Point-to-point (PTP) Fixed Wireless (FW) is similar to traditional microwave, shorter distances
    - Fiber backhaul extension to towers
    - Smaller beam, less interference issues, higher bandwidths
  - Point-to-multipoint (PTMP) FW is a last-mile network
    - Comprised of 'Base Stations' on towers and customer premises equipment (CPE) on homes/businesses
    - Base stations require near line-of-sight to subscribers CPE

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CPE Options

13” Laptop

RADWIN PtMP FOR ENTERPRISE

RADWIN JET / JET *PRO*

POWERED BY BEAMFORMING

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CPE Options

- 8” option when clear LOS
- Slide on gain extender when needed
- Eave mounts, telescoping pole mount options
- Deployment flexibility
- 3.65 GHz, 5.3 – 5.9 GHz

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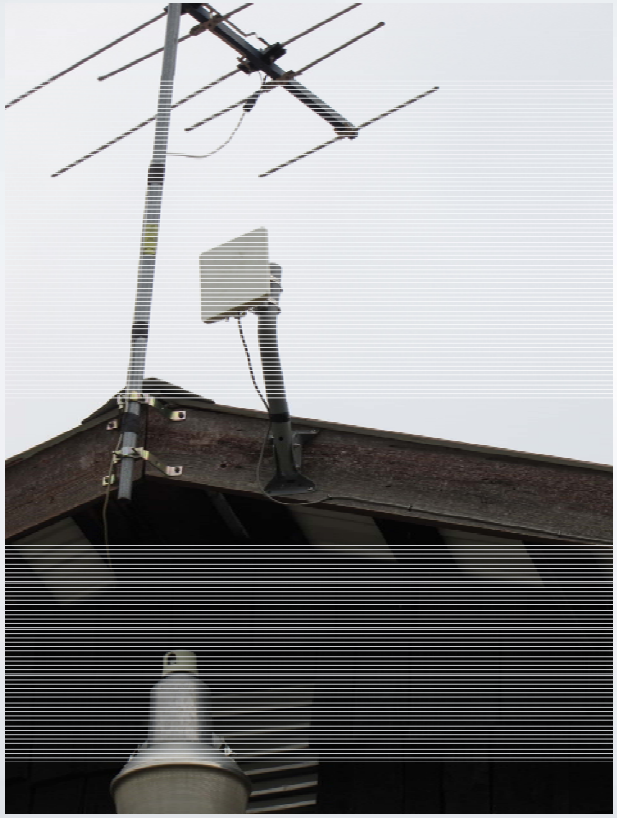
CPE in the Field



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CPE in the Field

What's Next

- Ninilchik and additional locations are being designed for Kenai Peninsula and Fairbanks Area
- Deployment being planned through 2025
- Technological advancements and new FCC rules will continue to establish/shape the playing field

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OUR NETWORK

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