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# **SIMULCAST - Pend Oreille County Paging**

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# Client - Pend Oreille County 9-1-1

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- Very rural mountainous area
- Existing 960 MHz MW link
- 300-500 users
- Replaced existing voice paging
- Required multiple sites for coverage

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# Solution - Alphanumeric paging

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- Users needed new pagers
- Alphanumeric allowed for automatic CAD connection
- Allows for multiple use of the paging system
  - Fire Dispatch
  - Fire Administrative
  - Law Enforcement
  - Public Works
- Pagers less expensive

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# Solution - Simulcast

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- Coverage required multiple sites
- Simulcast not much more expensive than sequential
- Chose 512 POCSAG for sensitivity and ease of phasing
- Used Motorola Nucleus base stations with Zetron Model 66
- Used standard MW mux cards because of digital signaling
- Used Convex 2346-4 Cards
- Used Tellabs 4445A 5-way audio splitter
- Zetron 640 paging terminal

# Pend Oreille County Paging System

Dispatch Center

