ORTCC
OWIN Update: January 2007

Conceptual Design – Work to Date

- Needs assessment
- Infrastructure assessment
- Core site selection
  - Review by local/county/federal agencies
- Technology selection
- Coverage analysis
- Frequency analysis and recommendation
- Microwave design
- Radio system design
- Cost estimates

Conceptual Design – Summary

- **Statewide digital trunked radio system**
- **Hybrid approach because there are not enough VHF frequencies - 700 MHz in Willamette Valley, VHF in the rest of the state**
- **OWIN coverage should be equal to the coverage of the combined state systems today**
- **Use of 700 MHz requires 70+ additional sites to maintain current coverage**

Federal Engineering Update

- **Completed “value engineering” process to arrive at current $665 cost estimate**
- **Drafted business case – will finalize within the next few weeks**
- **Conducted agency interviews - developing draft RFP requirements**

Phased Implementation

- 2007-09 biennium: Phase 0 & 1 (Statewide control systems plus voice/data in East, NE, and Central Oregon and infrastructure preparatory work in SW Oregon) - $308M
- 2009-11 biennium: Phase 2 (voice/data in Southern and SW Oregon and infrastructure preparatory work in Willamette Valley, Coast, and NW Oregon) - $166M
- 2011-13 biennium: Phase 3 (voice/data in Willamette Valley, Coast, and NW Oregon) - $191M
- Total Project Costs - $665M
- Phase 0 & 1 included as part of the Governor's recommended budget for 07-09 biennium

Key Points To Remember

- Cost estimates do not reflect potential reductions resulting from future partnerships
- Cost estimates do not reflect potential reductions resulting from competitive procurement process
- Next step is to develop RFP(s) for detailed design/build for each phase
- Does not account for potential savings due to emerging technologies
- System is scalable/initial investment is preserved - as needs increase, appropriate investments can be made

Proposed Legislation

- **SB 136 – Creates the Oregon Wireless Public Safety Communications Department and establishes the necessary governance processes and structure.**

- **SB 137 – establishes a process for review and siting of public safety communication towers for OWIN; gives local government 90 days to approve siting request or recommend an acceptable alternative site.**

Benefits

- Expanded interoperability coverage
- P25 data coverage at all OWIN sites
- Expandable, standards-based radio and microwave systems
  - Capacity for supporting potential local and federal partners as well as for growth of state agencies' requirements
- Reliable infrastructure
- Trunked, digital technologies enable better features

Benefits

- **Consolidated state agency public safety emergency response voice and data communication system**
- **First ever statewide public safety mobile data**
- **Statewide interoperable public safety communication backbone that can be used by all public safety agencies every day and during emergencies**

Benefits

- **Increased reliability over current state systems**
- **Scalable communication system that can grow as we add users**
- **Meet FCC 2013 “narrowbanding” requirements**
- **Meet the needs for improved communications for homeland security and terrorism**

Challenges

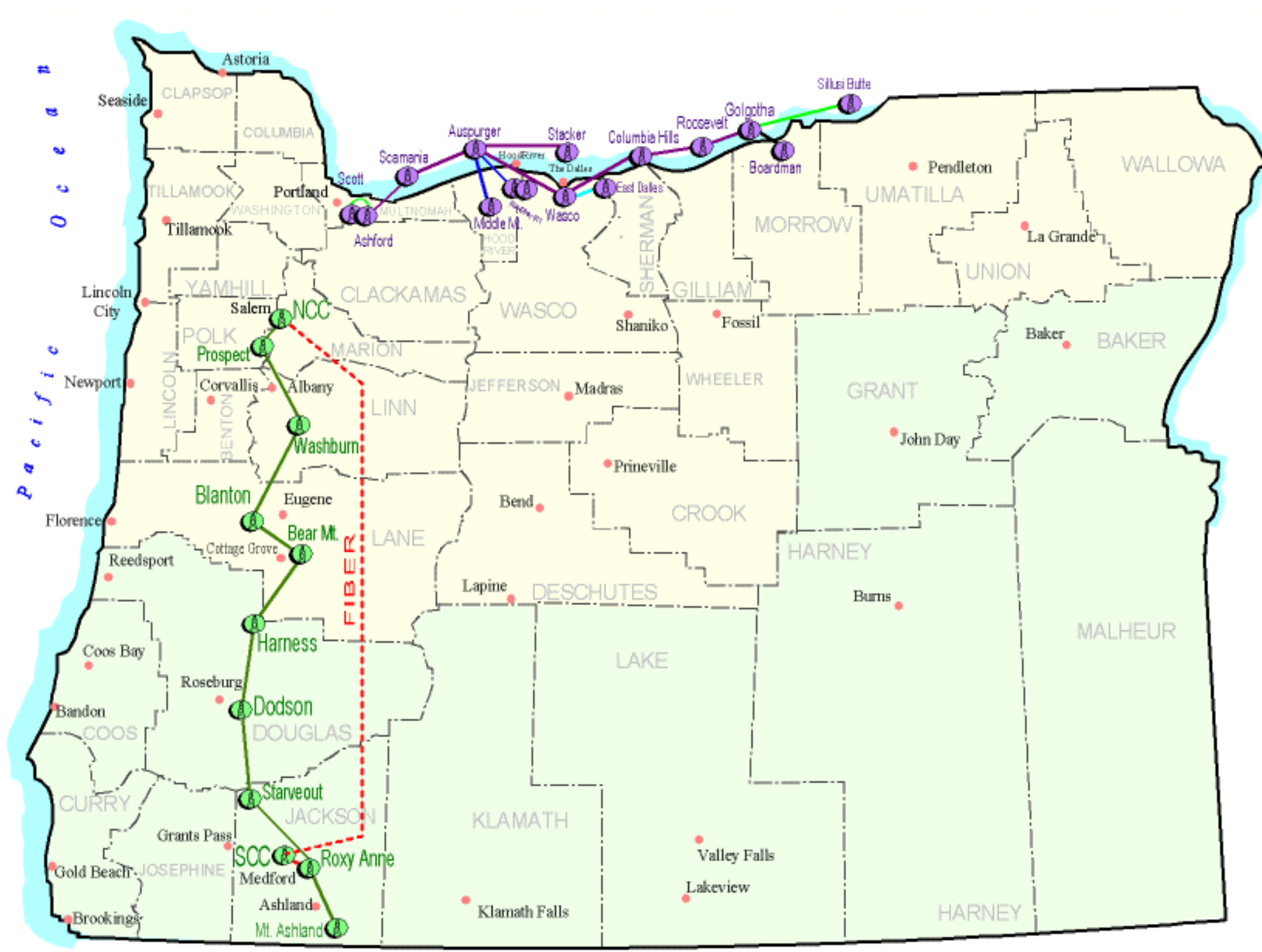
- **Legislative outreach & education**
- **Concerns about previous IT efforts**
- **Alternative approaches**
- **Timing of funding decisions**
- **Procurement**
- **Partnerships**
- **Capacity**

Remember…

- **This is about saving lives**
- **Status quo is not an option (e.g. current systems, HB 2101, FCC)**
- **Five years of planning**
- **This is complex – can't answer all questions before we start**
- **We must start and make a long term commitment to success**

Conclusion

- **ORTCC Resolution of Support**
- **Questions???**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Current Federal Partnerships
IWN & CRITFE