

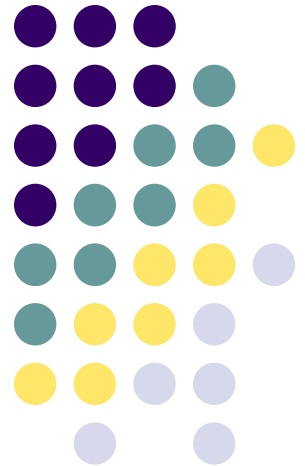
Confederated Tribes of Warm Springs Broadband Project

ARRA Oregon Broadband Projects: Opportunities and Challenges

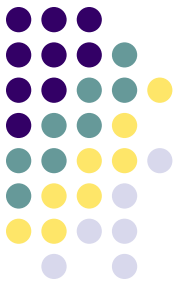
Oregon Connections Telecommunications Conference

October 30, 2009

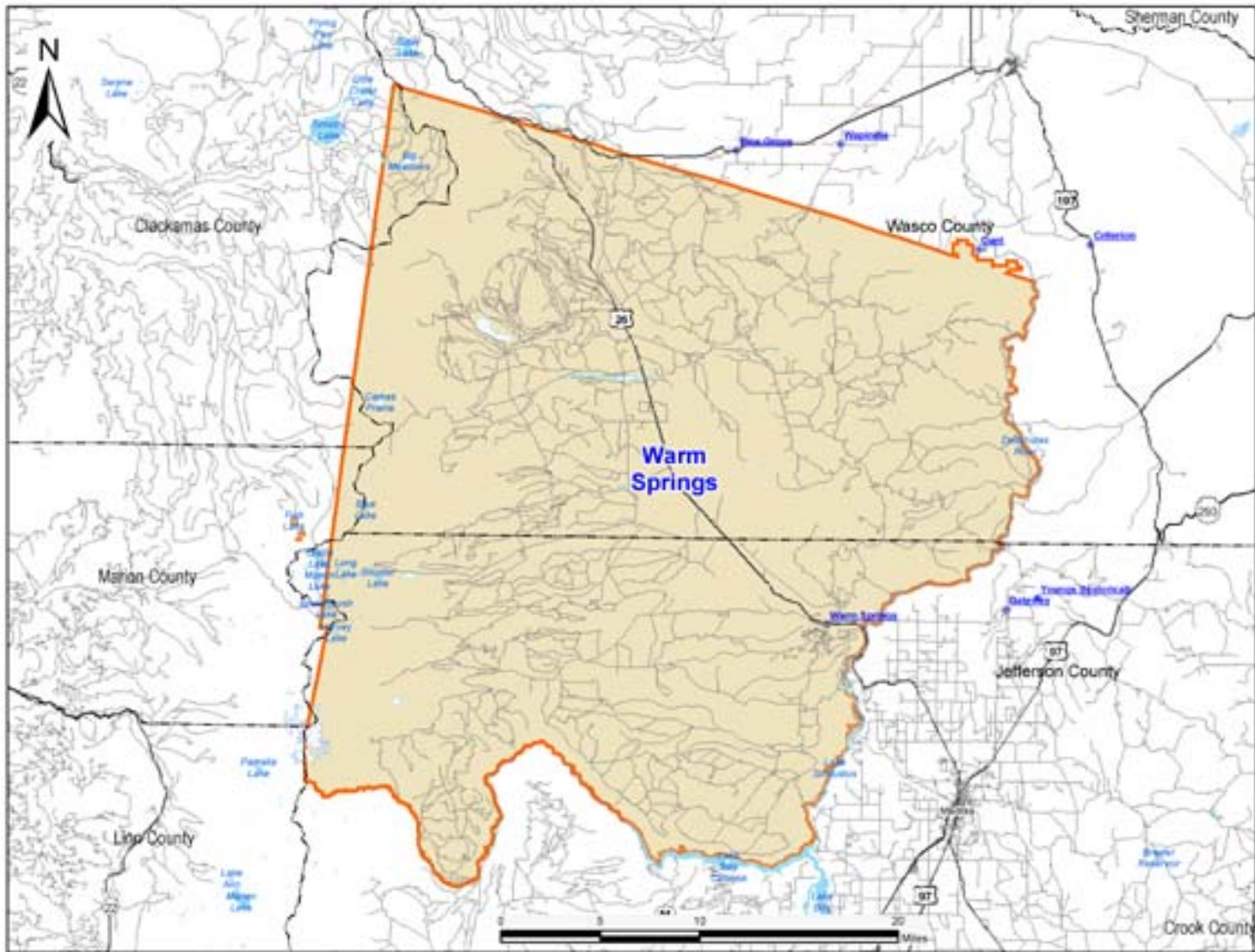
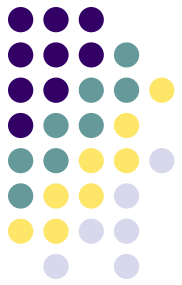
Adam Haas, Converge Communications



Confederated Tribes of Warm Springs

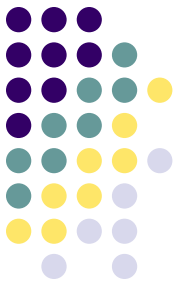


- Treaty Tribes of 1855
- Warm Springs, Wasco and Paiute
- Home to Kah Nee Ta High Desert Resort
- 1,000 Sq Mile Reservation
- 4,500 Tribal Members
- Economically Challenged

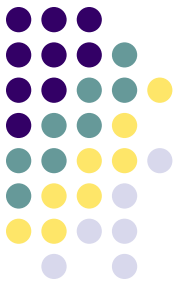


URL: <http://yosemite.epa.gov/R10/AIRPAGE.NSF/Tribal+Air/Warm+Springs+Reservation>

An Eight Year Process to Date



- Needs Assessment
- Community Connect Grant
- Telecommunications Steering Group (TSG)
- Telecommunications Strategic Plan
 - Public Safety Radio
 - Basic Telephone & Broadband Access



Implementing the Plan

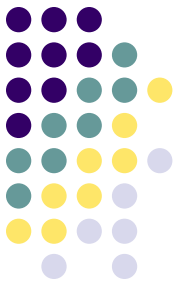
- Homeland Security funding through OEM for public safety radio
- Seed funding from Economic Development Administration and Rural Utilities Service for exploring tribally owned telephone company
- Researched successful Tribal Telecoms
- Sent Tribal Delegation to Washington, D.C.
- Secured Tribal Council Resolution



Then Came ARRA!

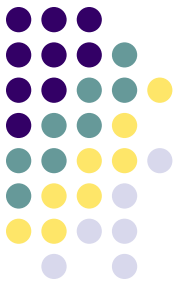
- Decided to go for round one
- Bird in the hand
- Ready to go

The Team



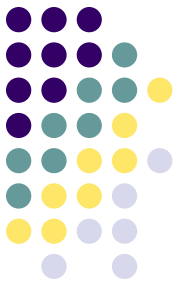
- Jeff Anspach, CPA & CEO of WS Ventures
- Converge Communications
 - Adam Haas & Marsha Spellman
- Lonny Macy & TSG
- Brian Nordlund, PE
- Dennis Karnopp, Tribal Attorney

The Support Team



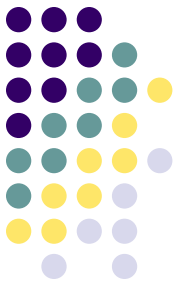
- LS Networks: Backhaul and Internet Gateway
- Bend Tel: Voice Switching
- North Sky: OSP Construction
- Day Wireless: Wireless Last-Mile Hardware

Project Goals



- Reach All Tribal Members/No Cherry Picking
- Build Out State of Art Infrastructure
- Cost Effective: Both Tribes and Members
- Tribal Self-determination/ Econ Dev.
- Self-Sustaining

The Concept: Integrated Network



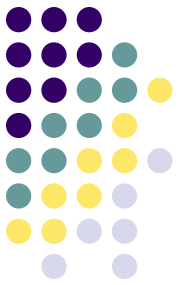
Connects

- Public Safety Radio Towers
- Key Tribal Facilities
- KWSO Radio
- Tribal Enterprises
- Residences
- Public Utilities e.g. water towers, etc.



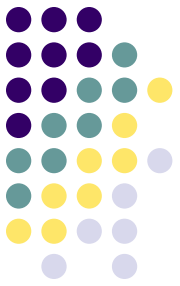
The Ask

- \$4.8 million BIP-BTOP
- For fiber/wireless network
- To deliver a 3 Mbps synchronous service
- To all business and residents
- Both for unserved & underserved areas
- With full diverse routing
- At costs lower than the incumbent



The Process

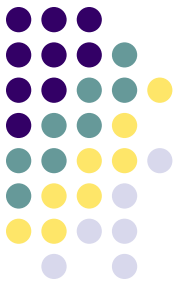
- 500 hours versus 360
 - Batty
- Frustrating
 - Mapping tool
 - Crashing servers
- Iterative
 - What could the model sustain?
- Worthwhile



The Outcome

- No one really knows
- Self-scored at 66 points
- 2,200 applications is actually a small number
- Overlapping service territories
- Step Two process uncharted territory

Regardless of BIP/BTOP result



Warm Springs is committed to building its own telecommunications future.



More information?

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www.convergecomm.com

