

Internet Forest: Oregon Economic Opportunity

Edwin B. Parker

ORTCC

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Oregon Economy

- Past: Resource-based
- Present: High Tech Manufacturing
- Future: Internet Businesses

The Internet

- Network of Networks
- Nobody Controls or Regulates
- Shaped by Private Sector Decisions
- Major West Coast Connection Points:
 - ◆ Seattle
 - ◆ San Francisco Bay Area
 - ◆ Southern California

Location Matters?

- Good Broadband Access: Work Anywhere
- Business Websites: Close to Customers
- Volume of Traffic Matters
 - ◆ Need critical mass
 - ◆ Rich get richer

Network Quality

- Transit Delay Time: # of router hops
- Jitter: Variable arrival time
- Dropped packets: Retransmission delay

Oregon's Internet Advantages

- Excellent Statewide Infrastructure
- TransPacific Cable Landings
- Low Power Costs
- Desirable Lower Cost Locations
- Internet Exchanges: Portland, Eugene

Oregon's Internet Disadvantages

- Long Tail Circuits to Internet Backbone
- Small Population
- Market Power Diffused

What Do We Want?

- Connect Oregon Traffic in Oregon
 - ◆ Improve quality for real-time applications
- Improve Connections to Rest of Internet
- Extend Benefits Statewide

Oregon Internet Opportunity

- Improve Oregon Internet Quality
- Create More Oregon Internet Exchanges
- Interconnect Oregon Internet Exchanges
- Build on Open Source Software
- Gateway to the Pacific Basin

How Accomplish?

- Promote Concept to Net Businesses
 - ◆ Interconnect at Oregon Exchanges
- Leverage Demand
 - ◆ Government, Education, Healthcare
 - ◆ Private Sector
- Stimulate Web Hosting Businesses

ORTCC Legislative Proposals

- Policy Resolution Supporting Concepts
 - ◆ Encourage, Do Not Legislate
- OECDD Grant Funds
 - ◆ Internet Exchanges
 - ◆ Web Hosting

Conclusion

■ We Can

- ◆ Improve Internet Connectivity
- ◆ Improve Oregon Internet Quality
- ◆ Create Oregon Internet Business Cluster
- ◆ Expand Internet Opportunity Statewide