Yolo Broadband Strategic Plan
Alameda LAFCo - May 14, 2015

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Why Is Broadband Important?

- Economic Development
- Commerce
- Agriculture
- Schools/Homework
- Adult Education & Training
- Digital Literacy & Equity
- Healthcare
- Public Safety
- Government Services
- Entertainment
- Telecommuting
Dial-Up – 56Kbps
- Legacy technology
- Shared Technology

ADSL – 10Meg
- First Generation of DSL
- Shared Technology

ADSL2 – 24Meg
- Second Generation DSL
- Shared Technology

Cable – 150Meg
- DOCSIS 3.0
- Shared Technology

Fiber – 1Gbps
- PON, Active Ethernet
- Shared and Dedicated Technology
YBSP Catalysts

- Lack of market competition driving investment in Yolo
- Missed opportunities (2012 CENIC build through Yolo, Woodland-Davis Water Project, ARRA grant, etc.)
- Needed collective focus
- Partners for grant funding
- Frustration re: CPUC Broadband Availability Maps
- Collaboration to bring attention to local issues
- Economic Development imperative – both urban and high tech agriculture
CPUC defines “Broadband” as:

- >6 mbps download
- >1.5 mbps upload
Why LAFCo?

• Needed a collective voice to be competitive for:
  – State and federal grants
  – Refuting CPUC mapping
  – Provider attention/investment

• Local agencies did not have focus or resources

• Asked LAFCo to lead effort and Commission agreed

• LAFCo Shared Services effort
Yolo Broadband Strategic Plan Process

- Hired consultant via RFP process ($42,600)
- Took approx. 1 year + a lot of staff time
- Conducted surveys/speed test data
- Stakeholder Engagement
- Action plan for each city and unincorporated communities
Findings

• 1,000+ speed test survey results

• Residential - half of survey results indicate underserved where availability maps show served (includes cities)

• Businesses - larger businesses can pay to get service they need, but small to medium just make due YET SMALL TO MEDIUM BUSINESSES CREATE 5X MORE JOBS

• Disparity in service – even in cities THIS IS NOT JUST A RURAL ISSUE

• Agriculture industry reports broadband is #1 need
Broadband Speed in City of Davis

What providers report

Actual speed tests
Broadband Speed in City of West Sacramento

What providers report

Actual speed tests
Figure 7.2: Residential Wireline Broadband Availability By Speed (Download Speeds)

Figure 7.3: Residential Wireline Speed Test Results (Download Speeds)

Broadband Speed in City of Winters

- What providers report
- Actual speed tests
What providers report

Broadband Speed in City of Woodland

Actual speed tests
Broadband Speed in Unincorporated Clarksburg

What providers report (Frontier)

Download Speed 10-25 Mbps
Upload Speed 1.5-3 Mbps

Actual speed tests

Download Speed 2.31-3.15 Mbps
Upload Speed 0.20-0.38 Mbps
Monthly Cost Versus Speeds (in Mbps) Reported

- Davis
- Unincorporated County
- Winters
- Woodland
- West Sac

Cost Intervals:
- $20-$29
- $30-$49
- $50-$74
- $75-$99
- $100-$124
Positive Outcomes

- Broadband has become a council/BOS priority issue
- Staff awareness - cultural shift to plan for broadband as essential public infrastructure
- Agencies will adopt broadband policies into their General Plans to create framework (i.e. install conduit with public and private projects, dig once, open trench, engineering standards, etc.)
- Advocacy and funding
- State/investor attention to Yolo
- LAFCo continuing role to support agencies’ next steps and continue coordination meetings
Why LAFCos Should Care?

- **Shared Services:**
  - Small cities may not have resources
  - Unincorporated communities can’t act alone

- **Disadvantaged (Unincorporated) Community Issue:**
  - Disadvantaged communities need access to broadband, just like electricity and other critical infrastructure

- LAFCos need to support communities taking initiative to fill their broadband gaps
LAFCo Approvals for Broadband?

- Services outside city and district boundaries
- Authorizing services that agencies can provide
- What types of agencies are authorized to provide municipal broadband?
- Stay tuned...
Questions?

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The Yolo Broadband Strategic Plan is available at: www.yololafco.org