

Illinois
Association of
County Board
Members
Broadband
Summit


***County Government:
The Essential Leader in Rural
Broadband Development***

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“County governments combine the self-interest and organizational capacity to spur broadband deployment at meaningful scale.”

Today's primary message!

The County Provides Leadership

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- Budget
- Relationships across jurisdictions
 - Downward to municipalities, townships and schools
 - Upward to state and federal agencies
- Connection to the citizenry
- Recognized convener on key community issues

Broadband Deployment Challenges

- Infrastructure Cost
 - Low population density
 - Soils and geography
- Demographics
 - Affordability
 - Low incomes
 - Low skill levels
- Incumbent monopoly/duopoly market power
 - Poor customer service
 - High prices
 - Redlining
 - Incumbent provider resistance
- Public Policy
 - Poor broadband maps
 - Based on provider maps
 - Poorly designed funding programs
 - Competitive
 - Complicated
 - Piecemeal

The County Has Expertise



To Spur Deployment

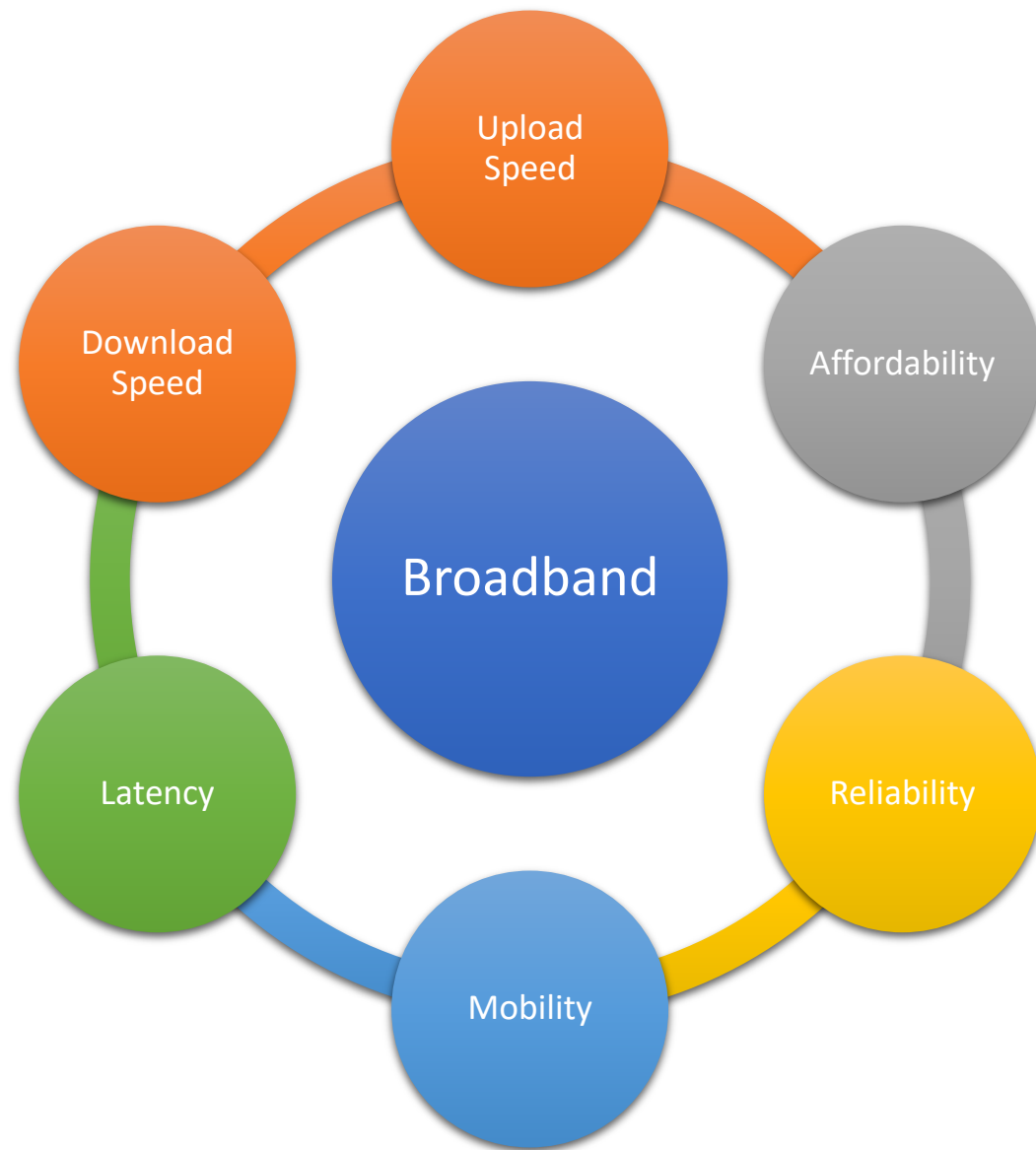
County Administrator
Information Technology
Public Safety
Engineering
Mapping and Property Information
Finance



To Spur Value

Economic Development
Public Health
Human Services
Smart Infrastructure
Workforce Training
Public Safety
Libraries

Assessing Broadband Technologies



Standards and Goals



FCC Broadband
Standard

25 Mbps/3 Mbps



Illinois Broadband
Goals

25 Mbps/3 Mbps
by 2024

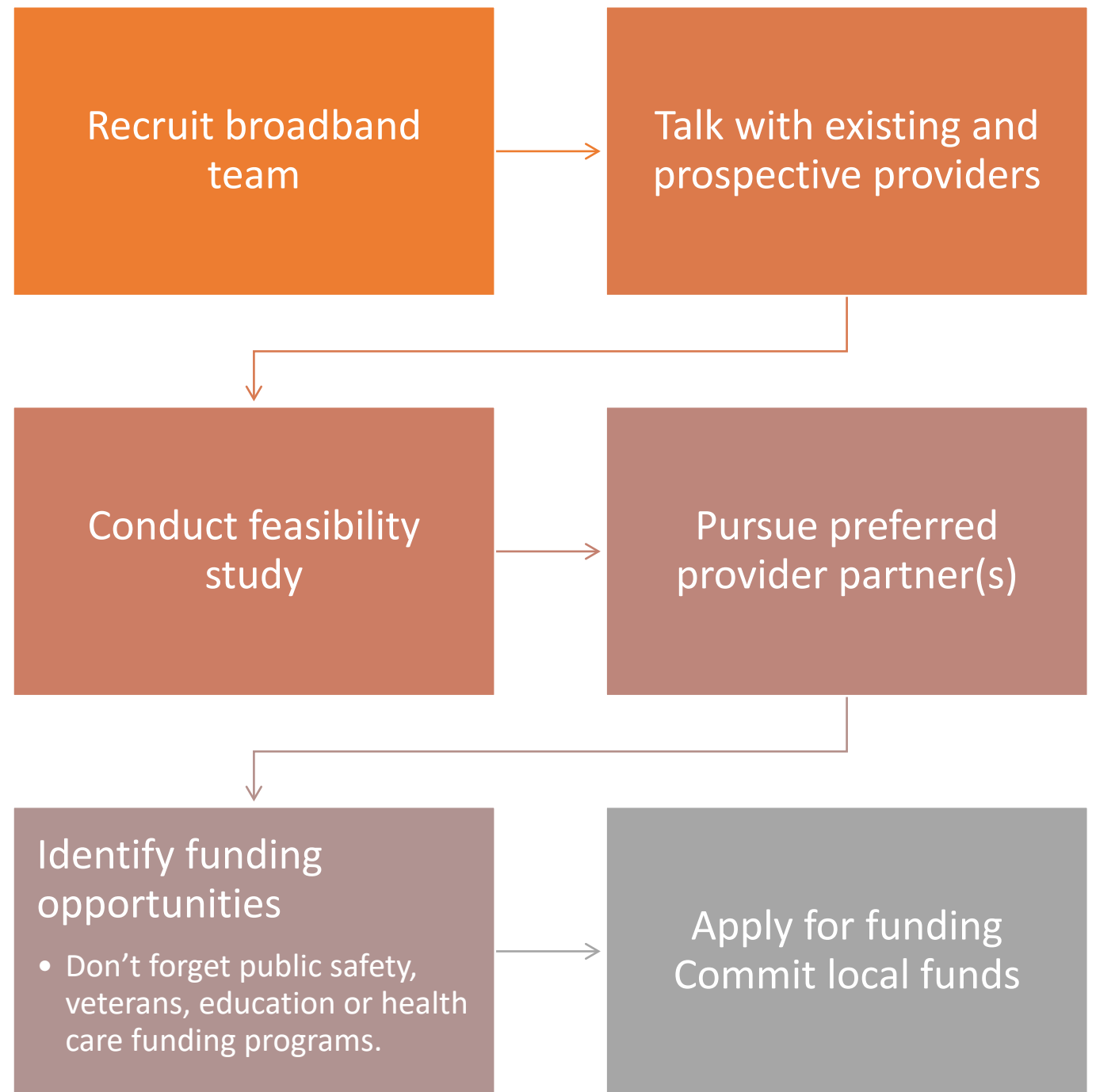
100 Mbps/20 Mbps
by 2028



Federal and State
Grant Standards

Speed is going up!
Recognition of
Upload Speeds

Broadband Infrastructure Improvement Process



Feasibility Studies

Elements

- Community survey
- Technology alternatives
- Financial analysis
- Partnership development

Success Factors

- Study designed to achieve area's broadband vision
- Community engagement
 - Elected officials
 - Citizen Champions
 - Area Tech experts
 - Community champions
- Study serves as decision making funnel rather than leaving key decisions until the end

Ownership and Operations Models

Ownership

- 100% Private
- 100% Public w/lease to private ISP
- Joint Build – Shared Ownership
- 100% Public

Service Delivery

- Private Providers on their own network(s)
- Multiple providers on shared open access network
- Public provider on publicly-owned network

Broadband Information Resources

- Benton Institute for Broadband & Society Headlines
 - www.Benton.org
 - Benton/Blandin Accelerate Guidebook
 - www.benton.org/publications/Accelerate
 - Pots and Pans by CCG
 - www.potsandpansbyccg.com
 - Institute for Local Self-Reliance
 - www.ilsr.org
 - Federal Broadband Funding Sources
 - www.broadbandusa.ntia.doc.gov/resources/federal/federal-funding
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