

Washington State Broadband Office

Senate Environment, Energy & Technology
Briefing: Broadband

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JUNE 15, 2020



Washington State
Department of
Commerce

We strengthen communities



**HOUSING
HOMELESSNESS**



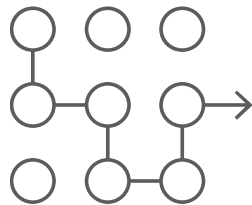
INFRASTRUCTURE



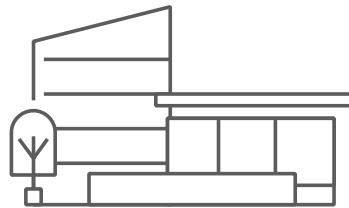
**BUSINESS
ASSISTANCE**



ENERGY



PLANNING



COMMUNITY FACILITIES



**CRIME VICTIMS &
PUBLIC SAFETY**



**COMMUNITY
SERVICES**

Agenda

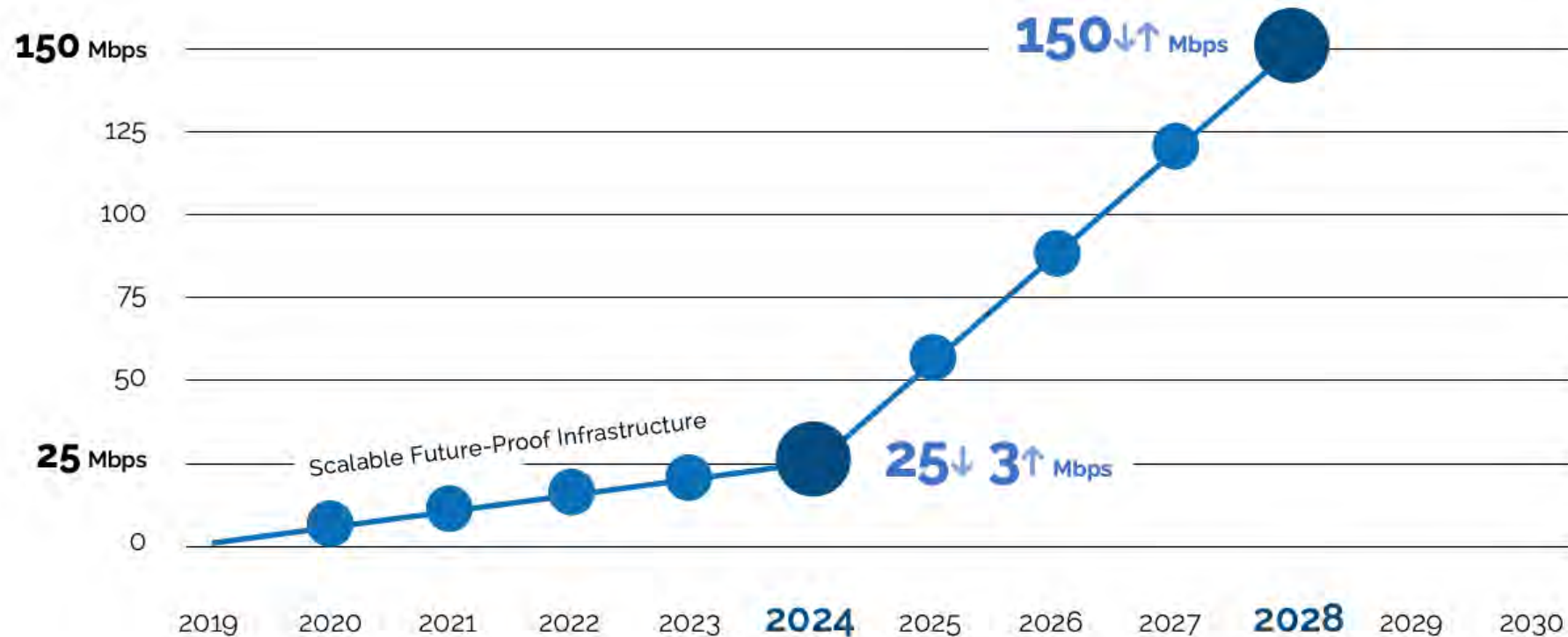
- 10-minute Broadband Office Update
- 50-minute Q&A / Discussion

Washington State Goals

SB 5511

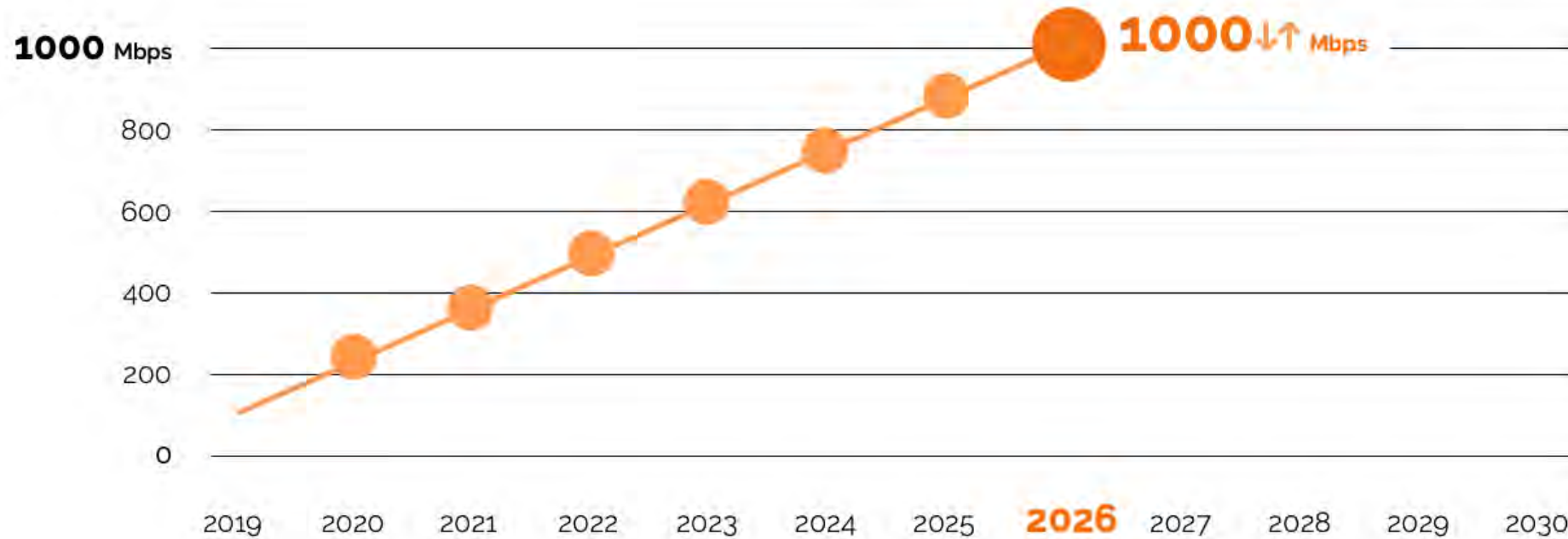
- By 2024, all businesses and residences have access to 25 Mbps download and 3 Mbps upload
- By 2026, all communities have access to 1 Gbps symmetrical service at anchor institutions
- By 2028, all businesses and residents have access to 150 Mbps symmetrical service from at least one provider
- Suggest policies to achieve these goals with collaboration from State Broadband Strategic Planning Group

Citizens and Businesses



- 884,000 homes without fiber Est. \$2.5+B
- WSBO Plan, Policy
- PWB Programs
- UTC Evaluation

Anchor Institutions



- Schools
- Libraries
- Health Care
- Public Safety
- Essential Services
- Industries
- Government

Broadband: What We Already Know

Demand for growth

- User choice is best service if available/affordable
- Skills/tools are important
- Education, healthcare, and workforce increasingly dependent on broadband
- We no longer require studies to reiterate these facts

Funding

- Current map data is inaccurate and prohibitive to funding
- Shovel ready feasibility studies must include specific build costs, performance, gaps filled, sustainable metrics
- Our duty to invest in scalable, future-proof networks to meet 15+ year demands
- Acknowledge substantial existing private and public investment

Infrastructure

- Need to be technology agnostic
- Economics of broadband infrastructure
- Desire is for fiber, fiber capacity grows exponentially each year
- Disruptive technologies continue to emerge

Supporting the Broadband Delivery Lifecycle



Coordinate statewide planning, stakeholder collaboration, inform policy

Maintain comprehensive state mapping data and feasibility

Facilitate access to all available funding opportunities

Ensure future-proof networks to meet state goals

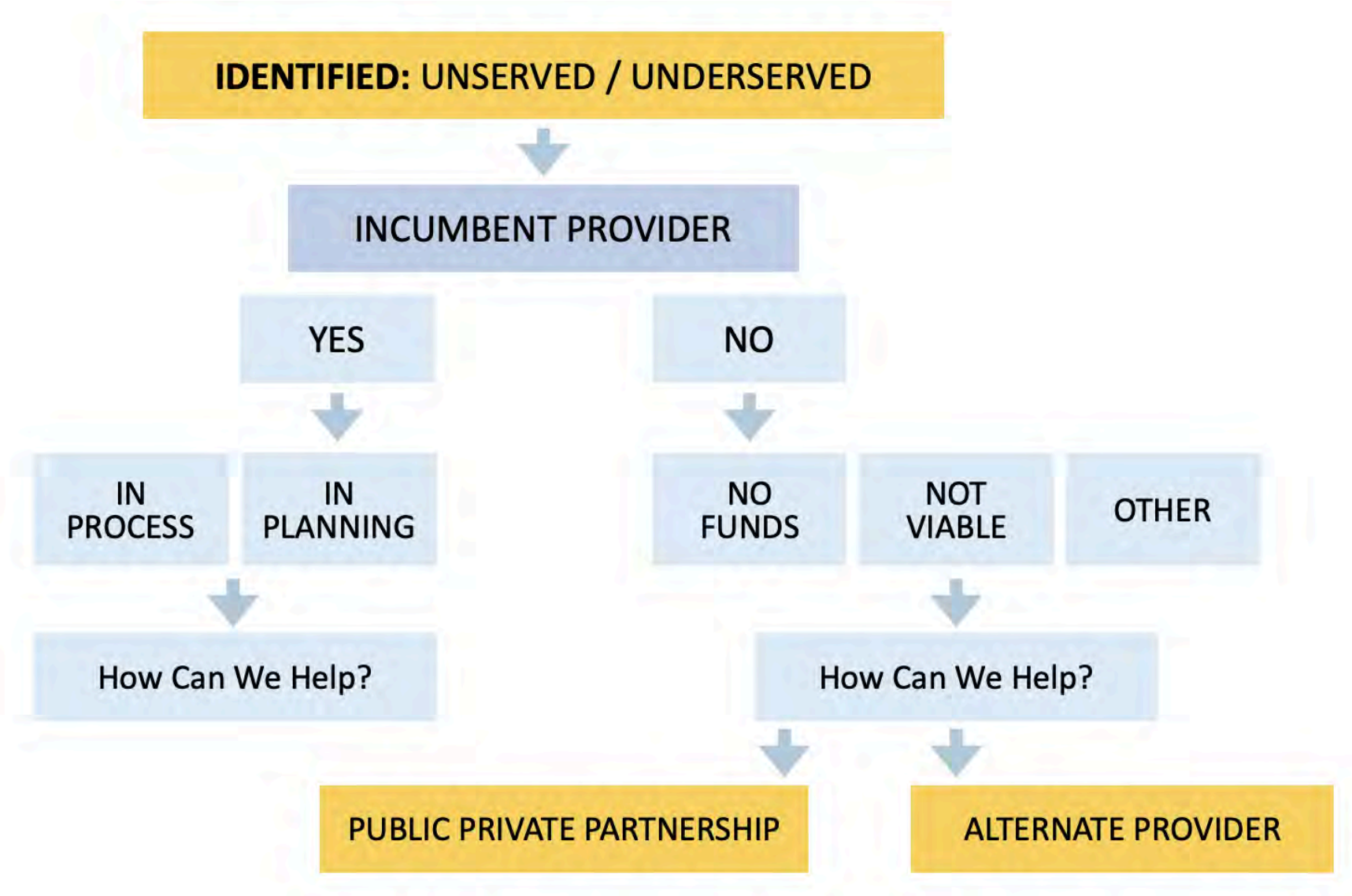
Support sustainable operational programs and digital equity

PLANNING: Current Collaborations

- Broadband Action Teams
- Counties
- Department of Commerce, Public Works Board, Utilities and Transportation Commission
- Digital Equity, IACT
- Emerging Technologies
(*Amazon - Kuiper, Microsoft - Airband, SpaceX - Starlink*)
- Emergency Support Fund #2
- FCC Precision Ag Task Force
- Healthcare - OCHIN/FCC Healthcare Connect Fund, Behavioral Health Institute
- Higher Education, WSUE
- Incumbent/Rural Providers
- Information Technology Disaster Resource Center
- Municipalities
- Nonprofit, Northwest Open Access Network, Avista Foundation
- Office of the Chief Information Officer, Washington Technology Solutions
- Office of Superintendent of Public Instruction
- Port Districts
- Public Utility Districts
- School Districts
- Schools, Health and Libraries Broadband Coalition
- WA State Library, Division of the Office of the Secretary of State
- Washington Tribes
- United States Department of Agriculture
- Washington Independent Telephone Association
- Washington State Department of Transportation
- Best Practice - State Broadband Leaders Network, National Telecommunications and Information Administration, Pew Research Center

IDENTIFYING: Statewide Mapping Project

- Crowdsourced speed test data capture
- MLabs data
- FCC 477 data
- CAF II Award areas
- RDOF opportunity areas
- Incumbent Provider service territories
- Other Provider coverage areas
- Fiber infrastructure state of Washington
- State of Washington assets
- Federal assets
- EDA Zones
- Opportunity Zones
- Broadband funding awarded areas
- Type of infrastructure for last mile service
- WISPs and coverage areas
- PUD networks
- Port networks
- Rural Electric Authority
- State legislative districts
- Congressional districts
- Anchor institutions
- Tribal areas
- 2028 areas served at 150/150 Mbps
- NTIA mapping
- *Additional data categories as available*



FUNDING: Feasibility/Construction/Services

- Become #1 State in the nation for receipt of federal funding
- 2020 federal funding windows closing
- FCC Rural Digital Opportunity Fund (*RDOF*) \$16B, \$4.4B
- USDA Rural Development Broadband *ReConnect* Loan and Grant Program \$550, \$600M
- Pending Stimulus
- FCC 2.5GHz Rural Tribal Window
- PWB Construction Cycle \$16+M
- USDA Distance Learning and Telemedicine \$50K-\$1M
- USDA Community Connect
- State Universal Service Fund
- Private / Undiscovered
- PWB Feasibility awarded \$50K
- 2019 PWB Feasibility awarded \$450K

Federal Funds Awarded

- **Mason Public Utility District 3**

\$2.4M

USDA ReConnect Round 1

High-speed broadband to 250 households and home-based businesses in unserved Grapeview community. Three Fingers Rural Broadband Fiber Project provides middle- and last-mile fiber-optic service to each premises located within the targeted area

- **Hood Canal Communications**

\$2.3M

USDA Rural Utilities Service Community Connect Grant

Lake Cushman, fiber to the home project, speeds up to 1 Gig/second, cable TV, phone service to the area

Current WSBO Project Support

- Bellingham
- Bullman Beach
- Clallam County
- Clark County
- Ferry County
- Stevens County BAT
- Pend Oreille County
- Counties without access to RDOF
- First Washington
- Island County
- Jefferson County
- King County
- Kittitas County
- Lewis County
- Pacific County
- Pierce County
- Lummi Tribe
- Makah Tribe
- Colville Reservation
- Spokane Tribe
- Hoh Tribe
- WA Drive-In WiFi Hotspots COVID19 emergency response collaboration
- 2.5GHz Rural Tribal Window
- Connect Whatcom!
- Daily introductions to new projects

Budget – Broadband Office

- To be prepared for federal funding opportunities
 - Data acquisition, analysis, presentation
 - Skilled understanding and focus on pursuit of federal funding
- Office originally stood up for 3.5 FTEs (to-date 1 FTE + ½ April 2020)
- General Fund FY2 SB 5511 will support original staff allocation

Budget - Infrastructure

- Not enough state dollars to address infrastructure needs
- State fiscal contribution will support awarding of federal funds
- Continue to support ongoing private investment in networks where possible and feasible
- Anticipate strong push from private partners to double down on infrastructure concurrent with state directive

Next Steps

- How your district can help - action items
- Shovel Ready Projects Identified and brought to the attention of WSBO
- Seat State Broadband Planning Group
- Washington State Broadband FY2 SB 5511 Office staffing
 - Data Coordinator
 - Funding Coordinator

“What gets
measured gets
done!”
Thank you.

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Department of
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