Washington State Broadband Office

State Broadband Update

Peninsula Regional Transportation Planning Organization (PRTPO) Executive Board Meeting

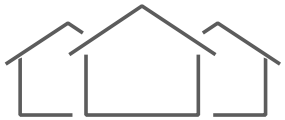**Russ Elliott**

DIRECTOR, WASHINGTON STATE BROADBAND OFFICE

MAY 18, 2021

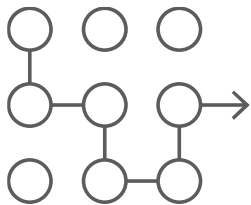# We strengthen communities
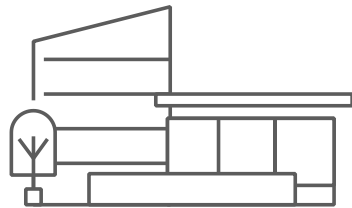
HOUSING HOMELESSNESS

INFRASTRUCTURE

BUSINESS ASSISTANCE

ENERGY

PLANNING

COMMUNITY FACILITIES

CRIME VICTIMS & PUBLIC SAFETY

COMMUNITY SERVICES

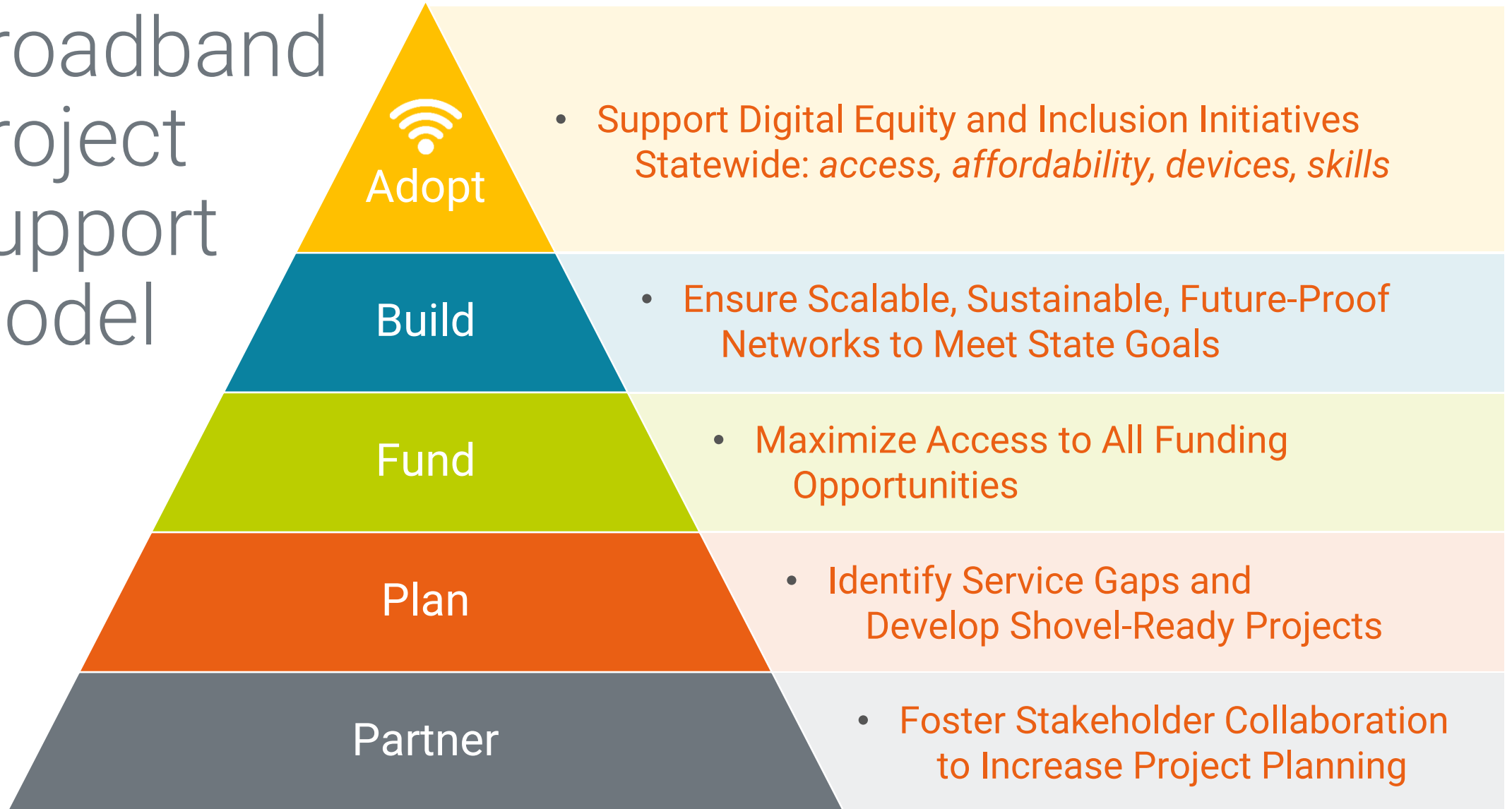# The Broadband Delivery Challenge

BROADBAND PROVIDER ROI

Unserved = Residents
 < 25 mbps download
 < 3 mbps upload

Anchor Institutions
< 1 gbps download/upload

Break-Even

Served

Underserved

Unserved

URBAN

SUBURBAN

RURAL
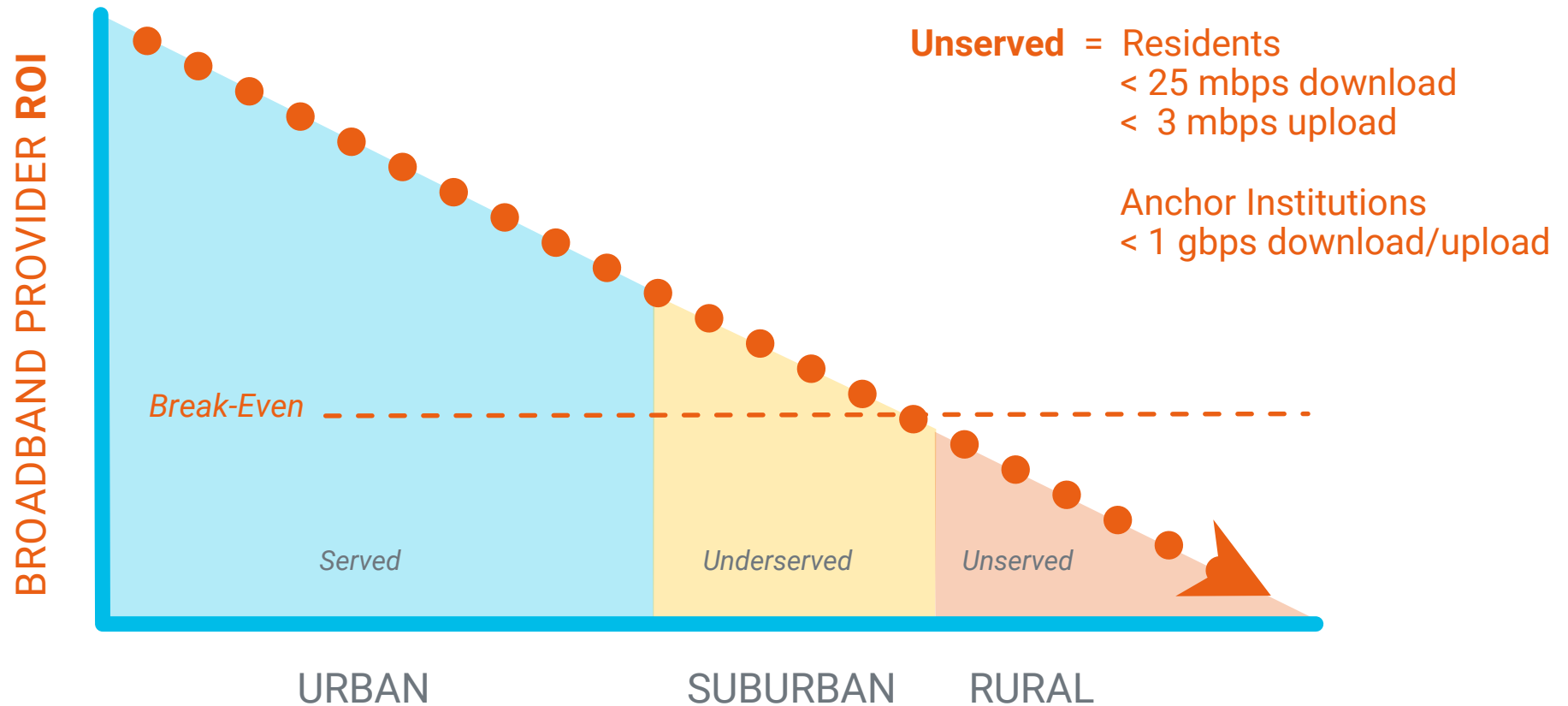
Broadband Project Support Model

Adopt
- Support Digital Equity and Inclusion Initiatives Statewide: *access, affordability, devices, skills*

Build
- Ensure Scalable, Sustainable, Future-Proof Networks to Meet State Goals

Fund
- Maximize Access to All Funding Opportunities

Plan
- Identify Service Gaps and Develop Shovel-Ready Projects

Partner
- Foster Stakeholder Collaboration to Increase Project Planning

Partner
Foster Stakeholder Collaboration to Increase Project Planning

Broadband Action Teams

- Currently 32 Teams

- Promote **participation** in State Broadband Survey

- Identify **public-private** partnerships

- Identify **shovel-ready** projects

- Connect projects to **funding** opportunities

Active Forming Considering
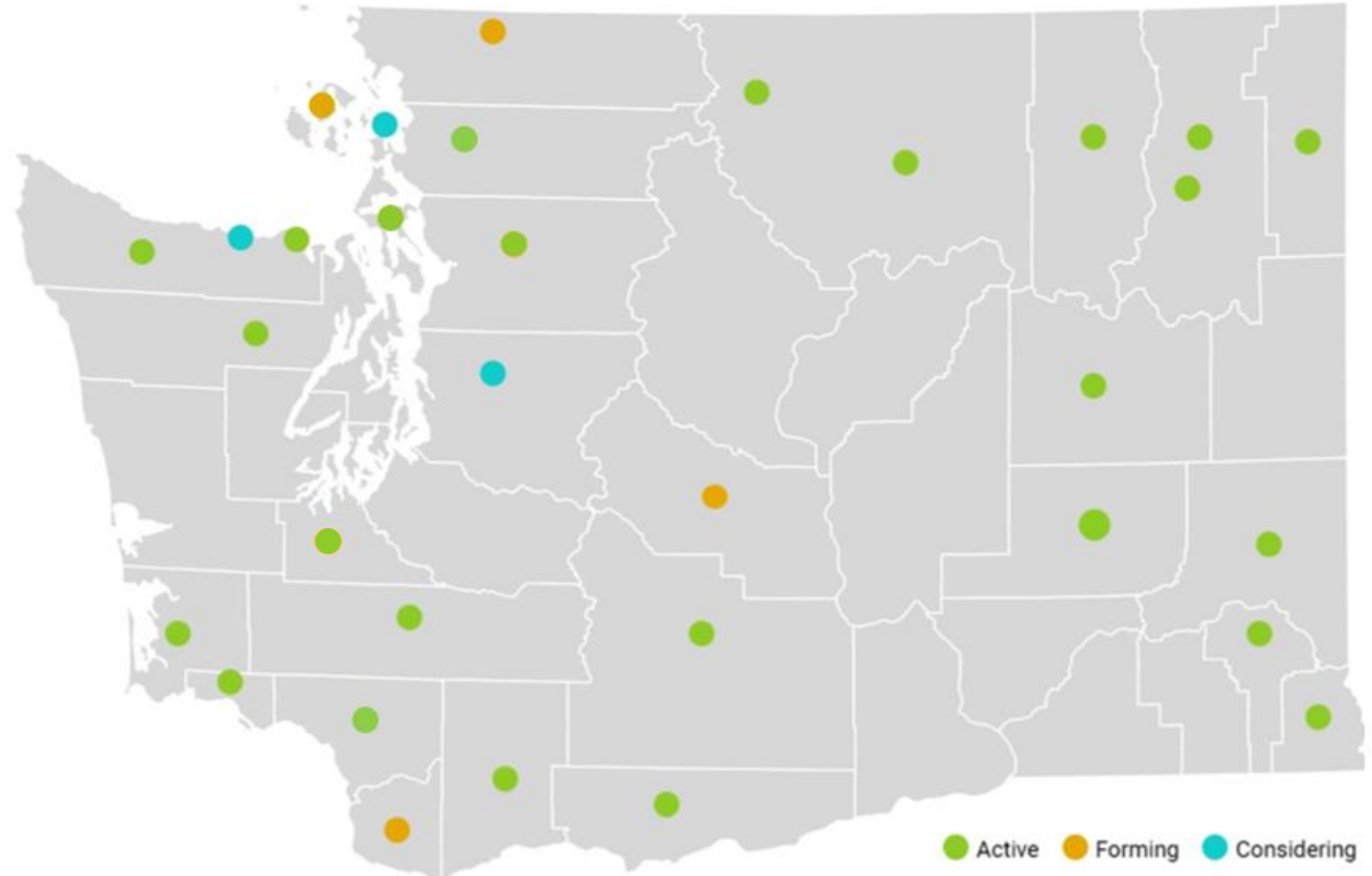
Plan Identify Service Gaps and Develop Shovel-Ready Projects

Broadband State and County Dashboards

Download

• No Service	5.9%
• 0-10 Mbps	39.8%
• 10-25 Mbps	18.6%
• 25-150 Mbps	29.7%
• 150+ Mbps	6.0%

Upload

No Service	5.9%
<3 Mbps	42.3%
3-10 Mbps	30.1%
10-25 Mbps	15.7%
25-150 Mbps	5.1%
> 150 Mbps	0.9%

Households	2,885,677
Population	6,724,540
Test locations	38,043
Total Tests	49,573

Reasons for No Service
Respondents can select all that apply

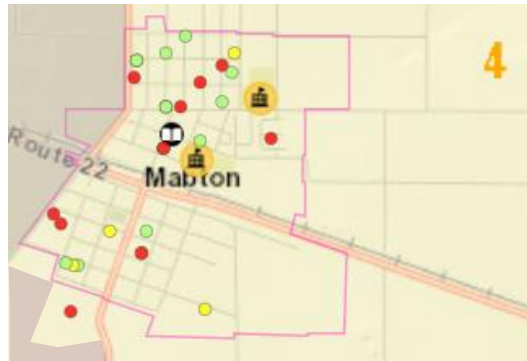|	
Too Expensive	17.17%
Not Available	91.02%
Use Public	0.16%
No Computer	1.64%
Don't Know How Internet	1.56%
Don`t Know How Computer	0.47%
Don't Need	0.23%
Privacy	0.16%
Physical Issues	0.08%
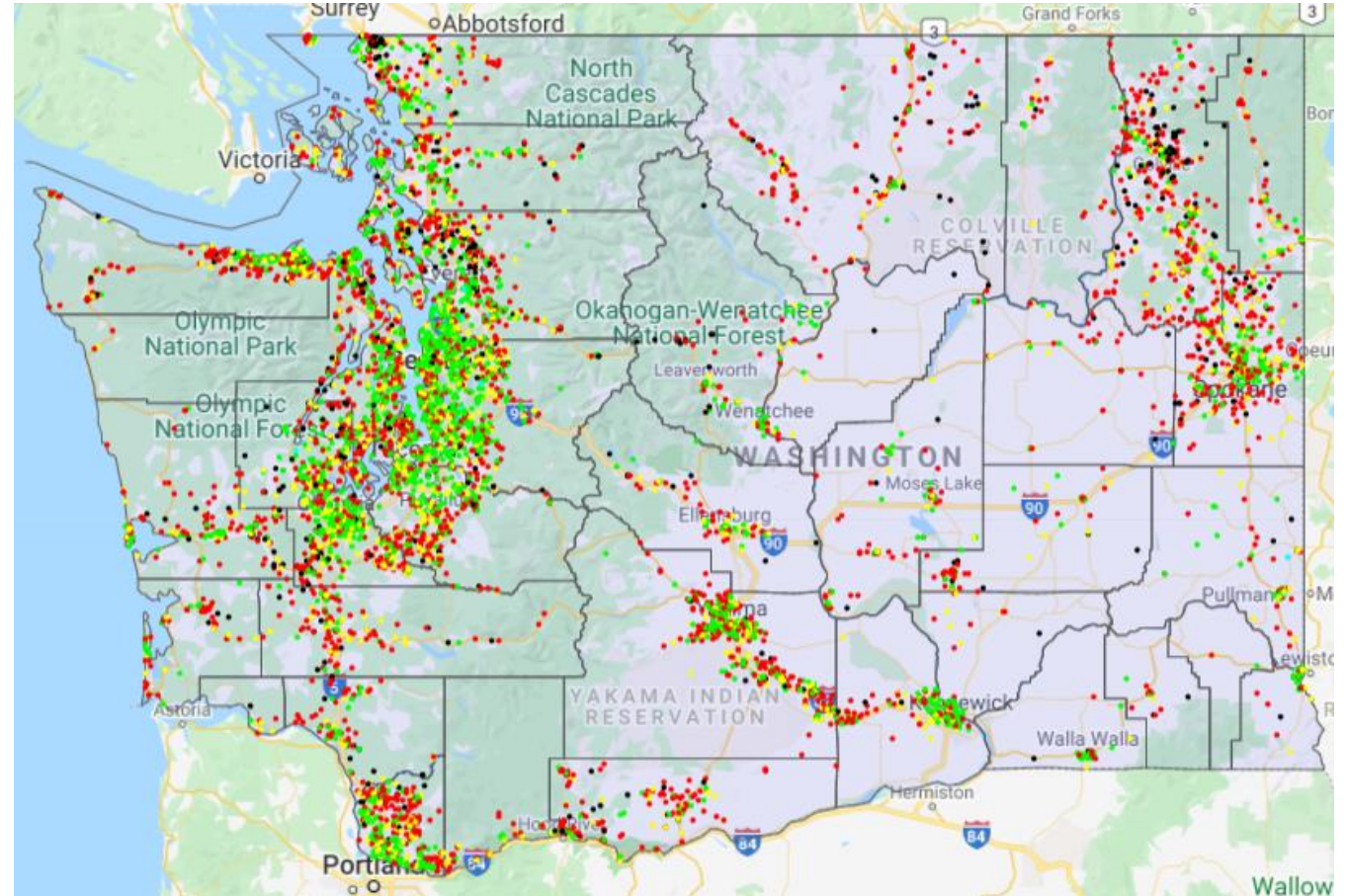
Plan State Broadband MAP LAYERS

Speeds
Up/Down/Ping/Jitter/
Provider/Service type/Fee

Fiber Routes

City Limits, Leg. Districts,
County Boundaries,
Tribal Lands, DNR Towers,
RDOF, CAFII, Schools, Libraries
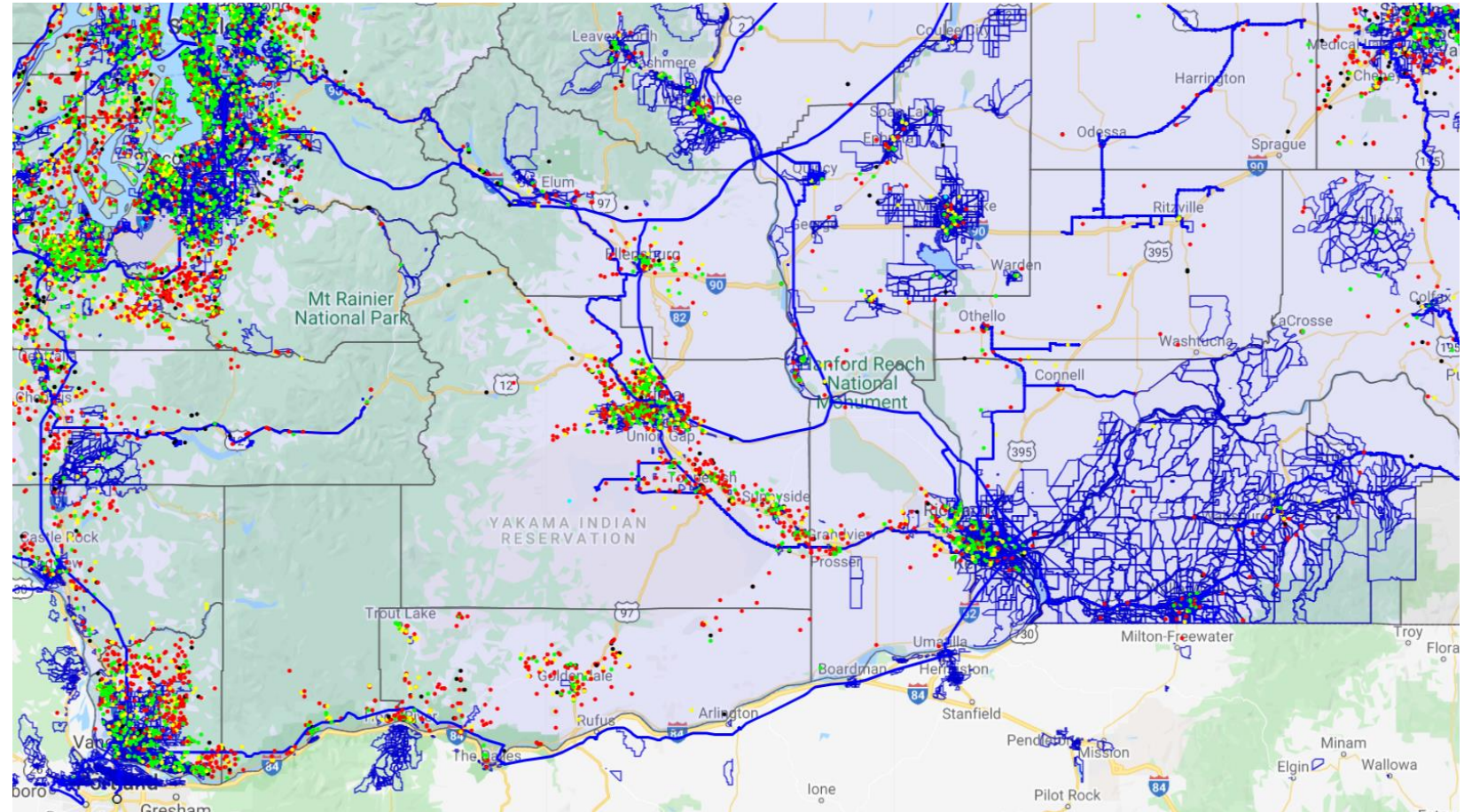
Plan "Shovel-Ready" Projects

Project Name (Unserved)	Project Location	Project Cost	Number of Locations Served	Cost per Location	Can be Started By	Can be Completed By 12/31/24	Funds to Contribute (Y/N)

- **Demonstrated Unserved** (State Map)

- **Committed Build Partner**

- **A Plan**, including
  - Total Project Costs
  - Future-Proof Infrastructure
  - Logistics
  - Timing
  - Pricing Strategy
  - Sustainable Business Model

- **ARPA Funding**
  - Complete by 12/31/24

- **Preferred**
  - Rights-Of-Way
  - Permits Executed
  - Low-Income Program Service Options (ex. Lifeline)
 - Start Project within 6-12 Months

Fund
Maximize Access to All Funding Opportunities

- **USDA**
  - **ReConnect $600M**
  - USDA Community Connect $35M
  - USDA Distance Learning and Telemedicine Grants $43M
  - USDA Rural Broadband Program $29M
  - USDA Rural Telecommunications Infrastructure Loans $690M
- **NTIA $300M**
- **NTIA Tribal Broadband $1B**
- **American Rescue Plan Act** (ARPA) WA $7.1B (Not broadband specific)
- **Coronavirus Capital Projects Fund** Proposed $10B

- **FCC**
  - FCC Rural Digital Opportunity Fund $20B
  - FCC Connected Care $100M
  - FCC COVID Telehealth $200M
  - FCC E-Rate $4B
  - FCC Connect America Fund $1B
  - FCC Rural Healthcare Program $571M
  - FCC Lifeline Program $2B
- **USDOT BUILD Grant $1B**
- **Institute of Museum and Library Services Library and Tribal Grants**

- **Department of Interior National Tribal Broadband Grant** (NTBG) **$1M**
- **Economic Development Administration $1B**
- **Accessible Affordable Internet for All Act** Proposed $94B, $6B enhances EBB Program
- **State:**
  - WSBO $326M
  - PWB $60M
  - CERB $25M

Build Ensure Scalable, Sustainable, Future-Proof Networks to Meet State Goals
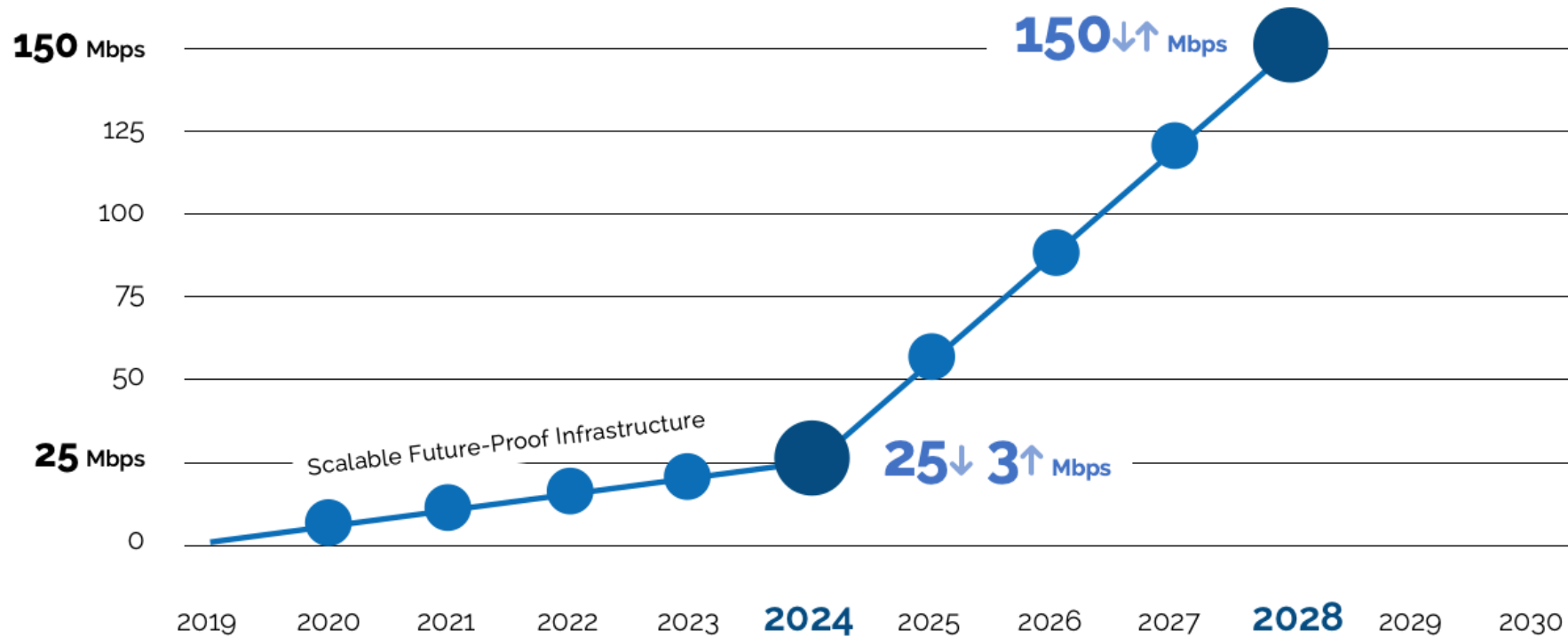
- 884,000 homes without fiber Est. $2.5+B
- **Anchor Institutions 1/1 Gbps by 2026**

- **Policy guidance and centralized coordination with statewide DEI initiatives**
  Equity in Education Coalition, Human Centered Design Committee, DSHS, DOH, ESD, DCYF, State Board of Community and Technical Colleges, Health Care Authority, Digital Equity Taskforce, Poverty Reduction Work Group, Native Digital Equity Coalition, Remote Learning Taskforce, OSPI, Seattle Digital Equity, All In Washington, Washington State University, Washington State Library | SOS, Digital Navigators
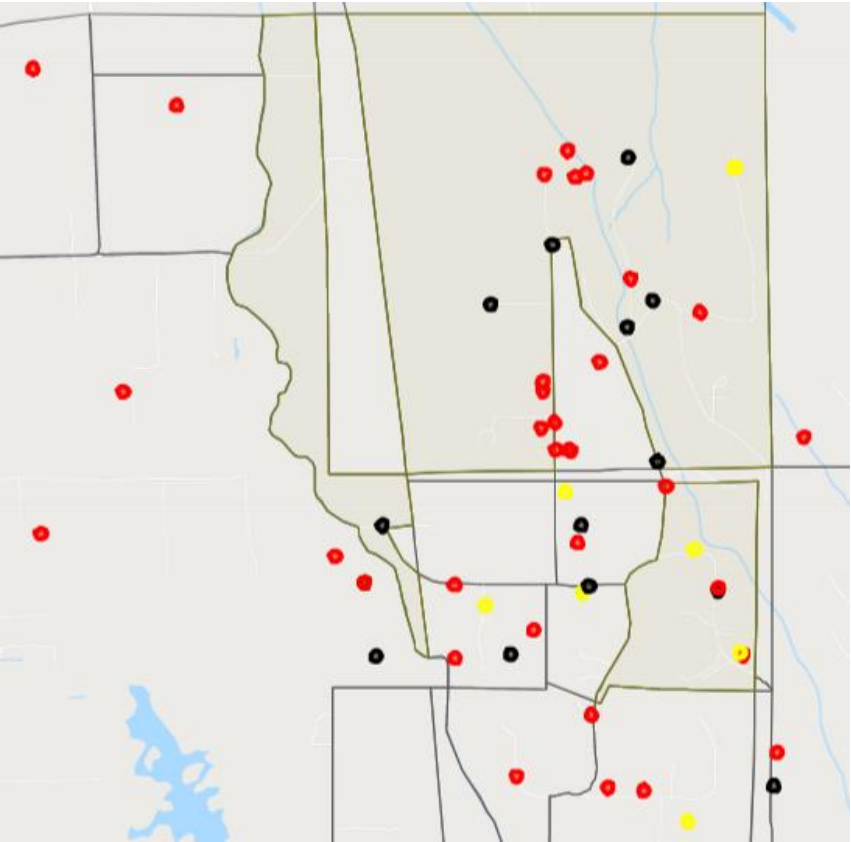
- **$3.2B 2021 FCC Emergency Broadband Benefit Program**
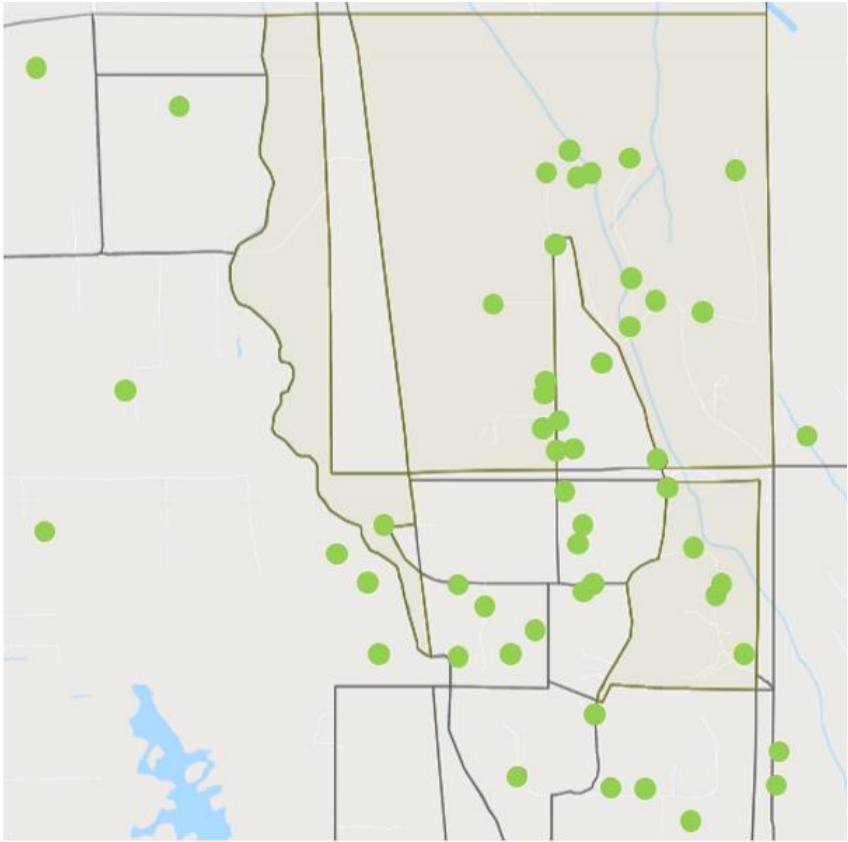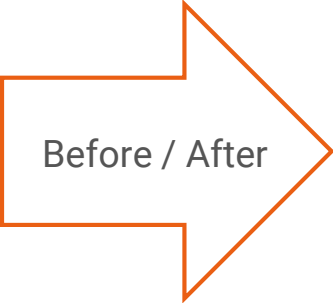
- **$5M for broadband equity and affordability grants**

- **$7.5M to provide grants to entities that provide digital navigator services, devices, and subscriptions**

Access

Affordability

Digital Equity and Inclusion

Devices

Digital Literacy
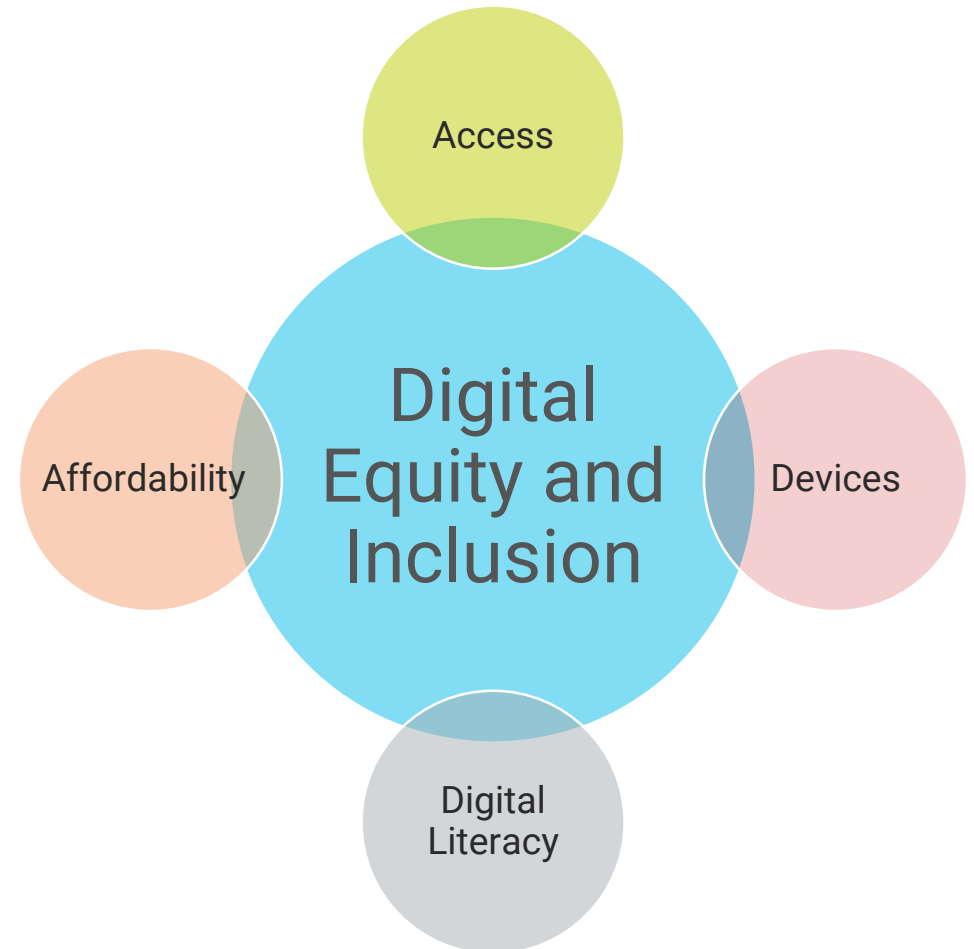
How Do We Measure Success?

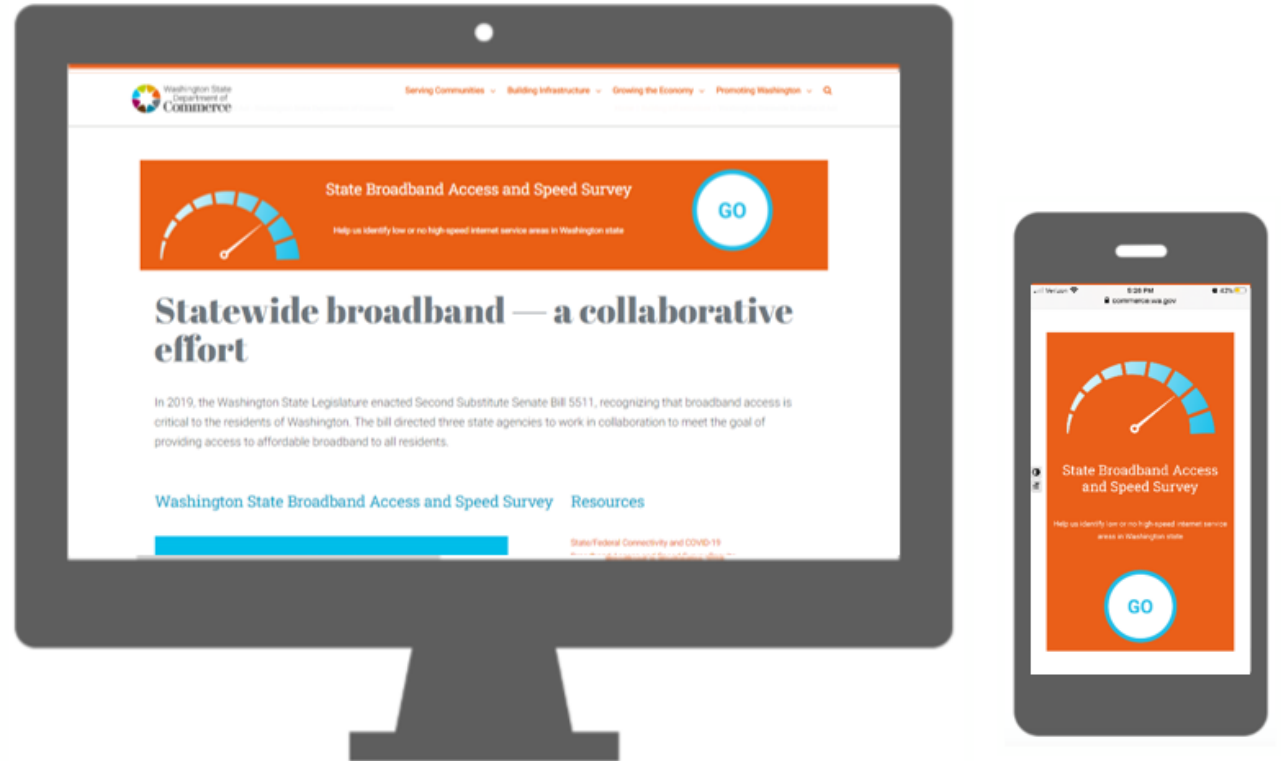Before / After

2020: Black - No Service Red < 10 Mbps Yellow < 25 Mbps

2024: Green > 25 Mbps Scalable to 2028: 150/150 Mbps

Next Steps

- Promote **ongoing** participation in State Broadband Access and Speed Survey at **broadband.wa.gov**

- Identify and develop **shovel-ready projects** for **funding applications**

"What gets measured gets done!"
Thank you.

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Washington State
Department of
Commerce

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