

Fiber Optic Partnerships Regional Meeting Presentation

July - August 2019

Welcome & Introductions

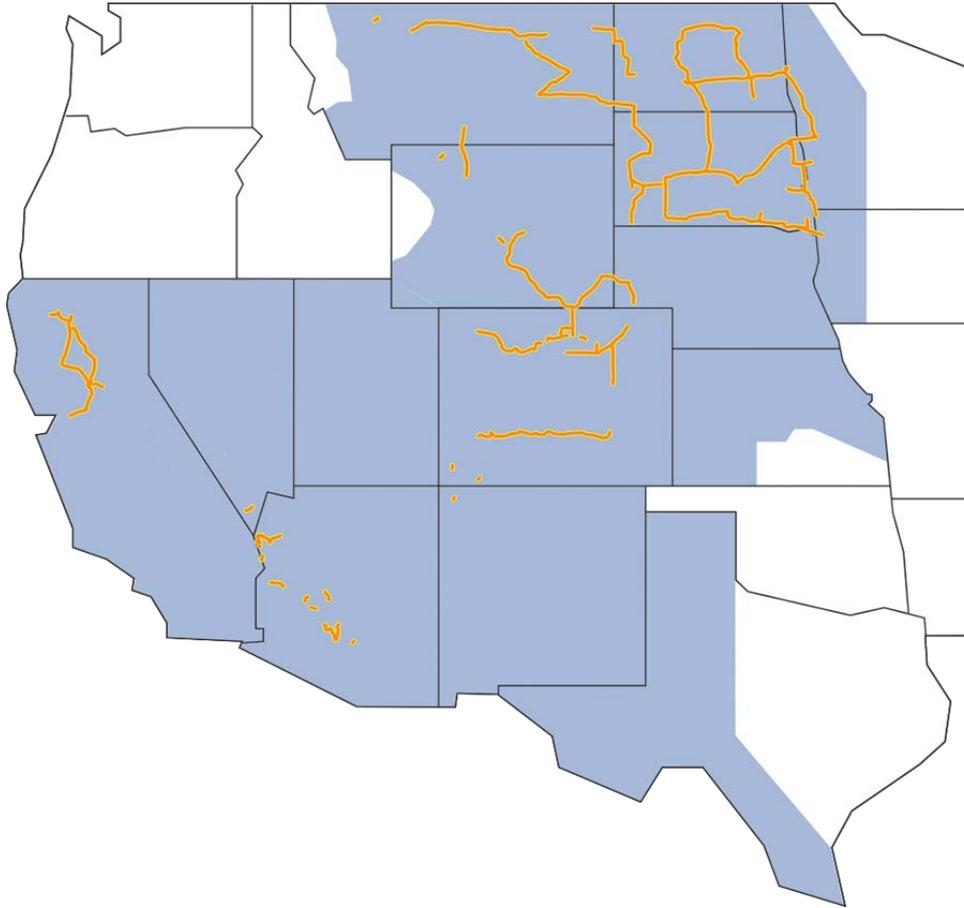
Welcome

WAPA's fiber current state

Customer input

Meeting wrap up

WAPA-owned fiber optic lines



*Note: This map only shows the WAPA-owned part of the fiber optic network. Other neighboring entities, not shown here, operate and maintain their portion of the fiber optic network. Fiber route buildout is based primarily on planned maintenance and replacements to minimize cost.

WAPA fiber & partnerships for grid resilience



GRID
RESILIENCE

Mutually Beneficial Partnerships

- *Over 20 years of utility fiber planning, installation and maintenance*
- *Installed more than 5,000 miles of fiber across WAPA*
- *Partnerships crafted for mutual benefit*
- *Agreements reflect specific project & regional needs*
- *Opportunity: WAPA-wide best practices*

Fiber Optic Partnerships Overview





Fiber Partnerships

Mutually Beneficial Partnerships

- Explore additional opportunities to use WAPA's fiber assets.
- *WAPA will explore leveraging its fiber assets to:*
 - *Improve its communication capacity to support current and future technologies.*
 - *Improve support to customers.*
 - *Support grid resilience with the Departments of Energy and Defense.*
 - *Support the Presidential Broadband Initiative.*

Fiber Optic Partnerships Background

American Broadband Initiative Report



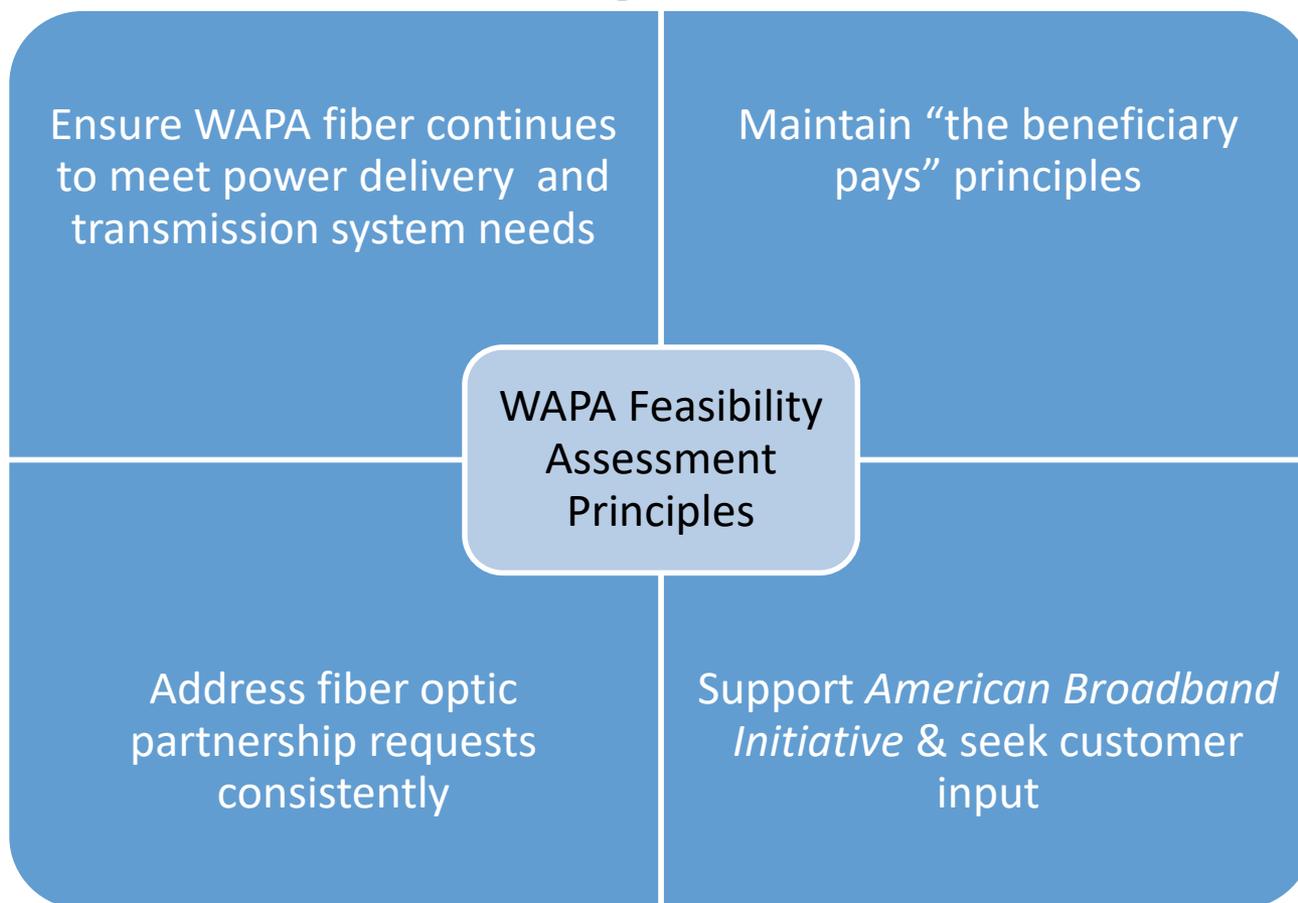
- by Department of Commerce, National Telecommunications Information Administration

“By April 2019, the Western Area Power Administration (WAPA) and Southwestern Area Power Administration (SWPA) in consultation with the Department of Energy Office of Electricity, will complete a feasibility assessment plan to determine if WAPA and SWPA excess fiber can be leased to their customers and broadband service providers. By December 2019, WAPA and SWPA will complete the feasibility assessment.”

- Website:

https://www.ntia.doc.gov/files/ntia/publications/american_broadband_initiative_milestones_report.pdf

Fiber Optic Partnerships Feasibility Assessment



Feasibility Assessment Elements



Fiber Optic Partnerships Timeline

Fiber Working Group
May 2019

Compile Outreach Data
October/November 2019



Assessment Plan

April 2019



WAPA-wide & Regional
Customer Meetings

June/September 2019



Final Assessment
Report

December 2019

Reminder: Aug. 29
WAPA-wide discussion
in Lakewood, CO

Fiber Optic Partnership Customer Input

**Interest and opportunities for new
partnerships**

Fiber Optic Partnership Customer Input

Customers' priorities and/or goals for fiber partnership

What is a “win” for a new partnership from the Customer view?

Fiber Optic Partnership Customer Input

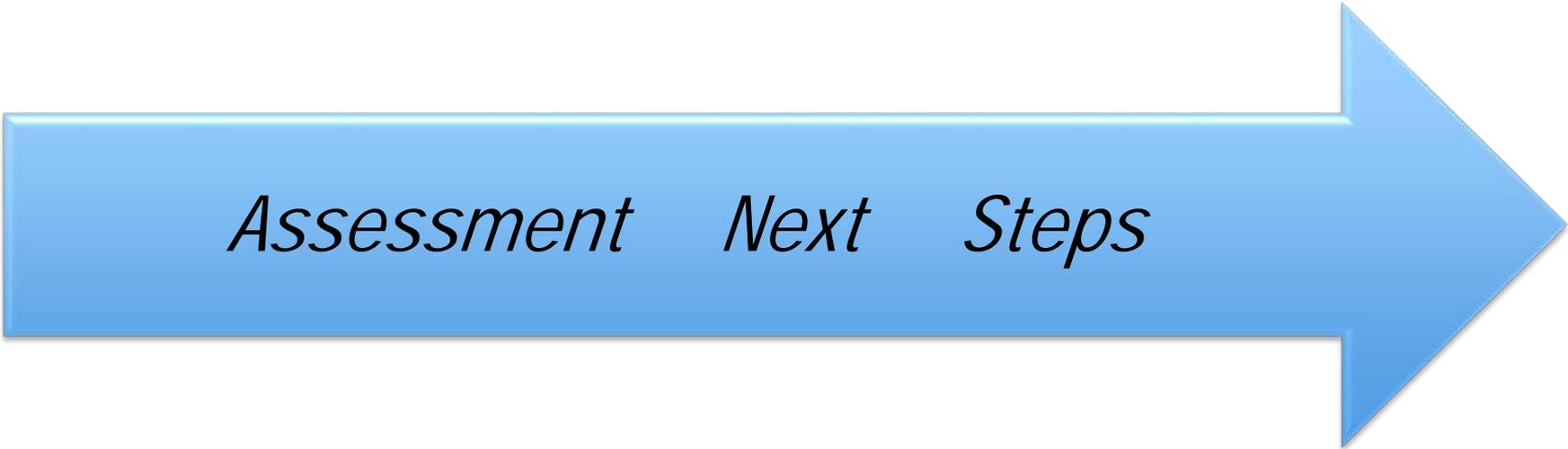
Challenges and concerns with new partnerships

Fiber Optic Partnership Customer Input

Gaps in feasibility assessment elements

What are we missing?

Fiber Optic Partnerships Feasibility Assessment



Assessment Next Steps

Fiber Optic Partnership Customer Information

- Project information
 - <https://www.wapa.gov/About/keytopics/Pages/fiber-feasibility-assessment.aspx>
- Send additional input
 - FiberOpticPartnerships@WAPA.GOV
- Contacts
 - Senior Sponsor: **Kevin Howard**, Executive VP and Chief Operating Officer
 - Project Manager: **Kirsten McClure**, Public Utilities Specialist

Fiber Optic Partnership Customer Information



wapa.gov



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WesternAreaPower1



westernareapower



wapa.gov



Hoover Dam