

# A Strategic Outlook for Rural Broadband Leaders

June 2024



#### **About the Presenter**



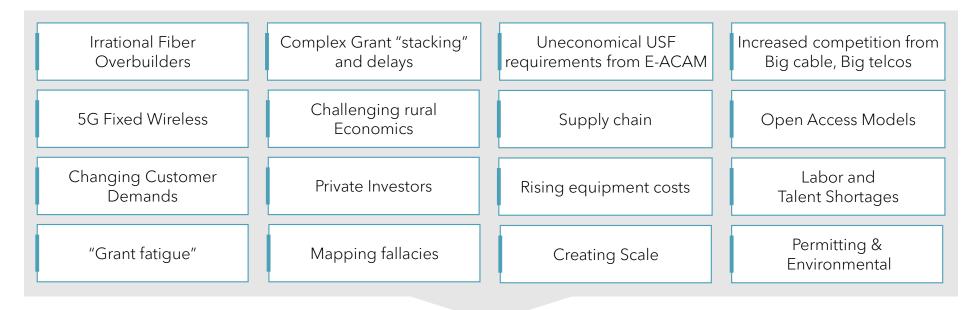
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Independent management consultant and fractional head of Strategy for companies in, or serving, the telecommunications industry

I guide business owners in the TMT space to navigate disruption and opportunity to maximize the value of their business and achieve their dream exit

### Here's what I hear when I talk to Rural Broadband Leaders



"How do I build for the long term and manage all the pieces?"

### The Typical Response to a Disruption or Issue



**Disruption** 



**Understanding** 



**Strategy** 



Response/ Execute

TIME

The Secret to Being More Effective than the Competition is to Shorten Our Response Times to Give Us More Time for Refining Strategy & Execution ... this means <u>better forecasting of knowable issues</u>

# While much appears to have changed in the past 5 years, actually most things were known ... you just had to look

## What we're seeing ...

#### **The Digital Divide**

>\$100B in programs towards closing the Digital Divide that will take us through the end of the decade?

## ... but what we knew

"Efforts to close the digital divide may take several years to a decade, with governments and industry working together to expand broadband access in underserved areas."

Telecommunications Analyst, 2017

#### **The 5G Business Case**

Hundreds of billions to capital & spectrum for 5G but where's the return?

"Initial 5G revenue streams will emerge within the first few years, but significant gains will come as the ecosystem and user base mature over the next 5-10 years."

- Telecom Industry Insider, 2017.

### **New Technology**

5M+ fixed wireless users for broadband ... who would've thought?

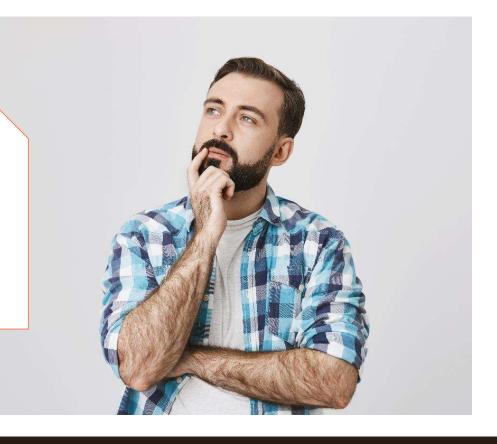
"The rise of 5G will significantly boost the capabilities of fixed wireless access, offering gigabit-speed internet to urban and suburban areas."

- Telecom Consultant, 2018

## **My Safe Harbor Statement**

"Predictions are hard ... especially about the future."

- Yogi Berra



## **Eight Big Trends**

01



The Cable Conundrum 02



The Cost of **Competition**  03

07



**The USF Migration** 

04



**Private Equity Pressures** 

05



The Acceptance of **5G FWA** 

06 The Many, **Confusing Faces of** Government **Funding** 

**The BEAD Land Grab Moment** 



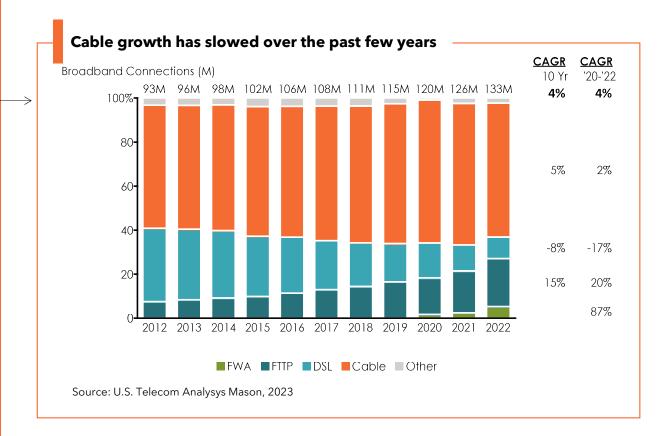
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**The Long Term M&A Potential** 

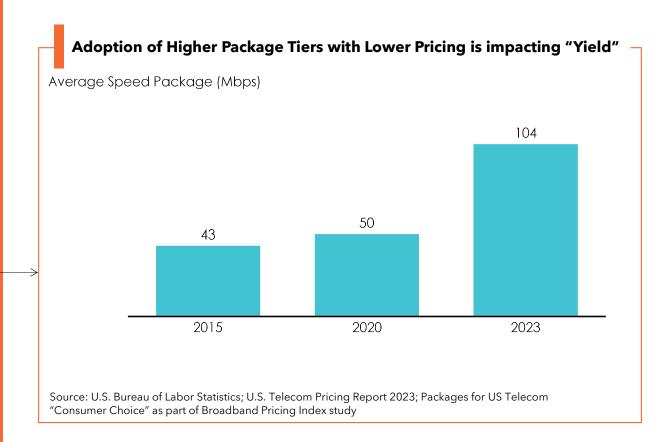


- Consistent Industry Growth
- Last Two Years Seeing Shifts
  - Cable Pressure
  - Cu to Fiber Transition
  - Fiber Growth
  - 5G FWA
- Cable's Options:
  - Pricing/ Tactics
  - Network Shifts
  - Bundles





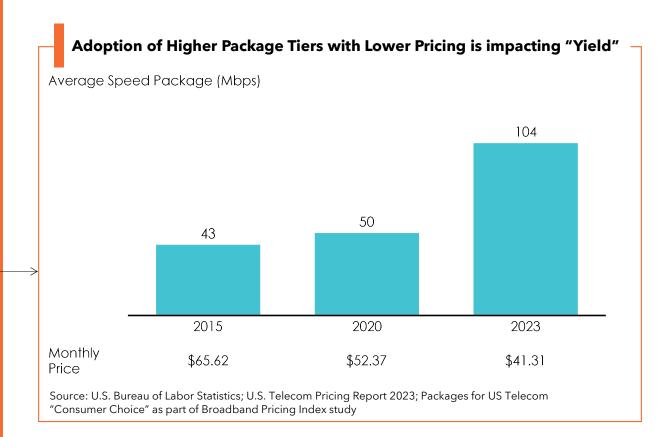
- Consumer Shift to Streaming and Higher Speed Packages
- Growth of Multi-Gig Offers in the Market
- Competition for Subs and Pricing Impacts
- Implications
  - Pricing
  - Margins
  - Upgrades





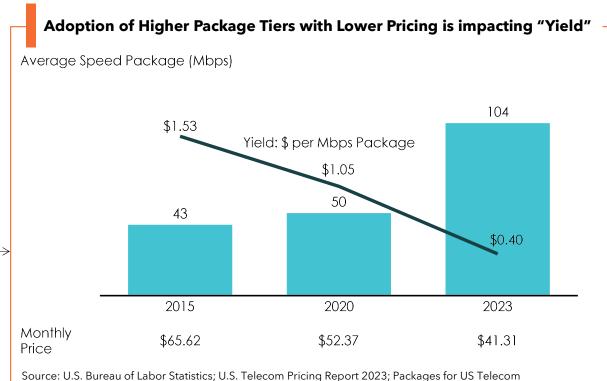


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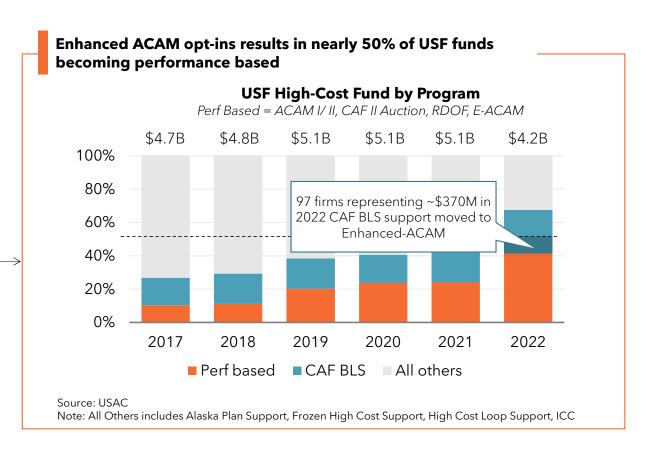
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Source: U.S. Bureau of Labor Statistics; U.S. Telecom Pricing Report 2023; Packages for US Telecom "Consumer Choice" as part of Broadband Pricing Index study



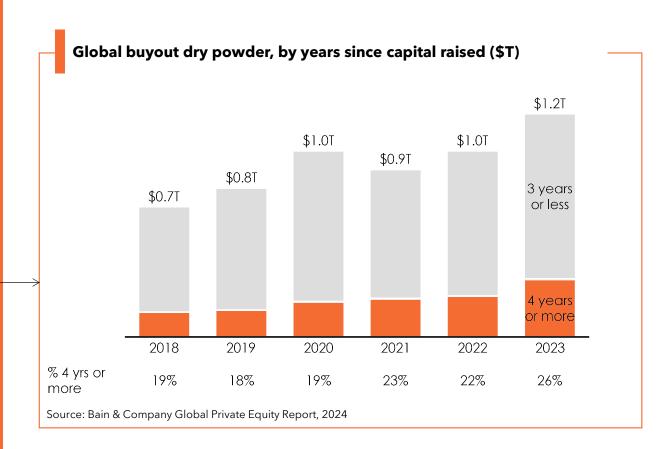
- USF Sustainability Trajectory
- Current Options on the Table
- Shifts to Performance-Based with End Dates
- Longer Term Implications
  - ACAM (I, II, E-ACAM)
  - CAF BLS (ROR)







- Significant PE Interest post-COVID - multiple deal theses
- High Interest Rates
  Lowering Exit Volumes
- Pressure to Make Investments
- Pressure to Realize Returns

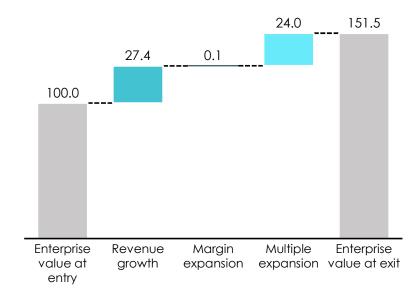






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Median indexed value-creation drivers for global buyers (deal entry years 2013-2023)



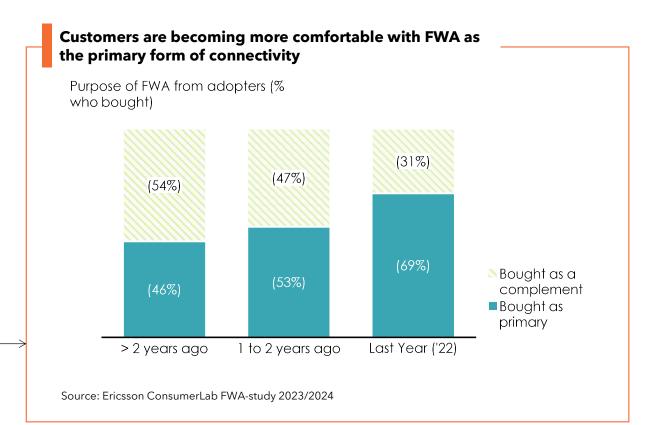
Source: Bain & Company Global M&A Report, 2024





# Acceptance of 5G FWA

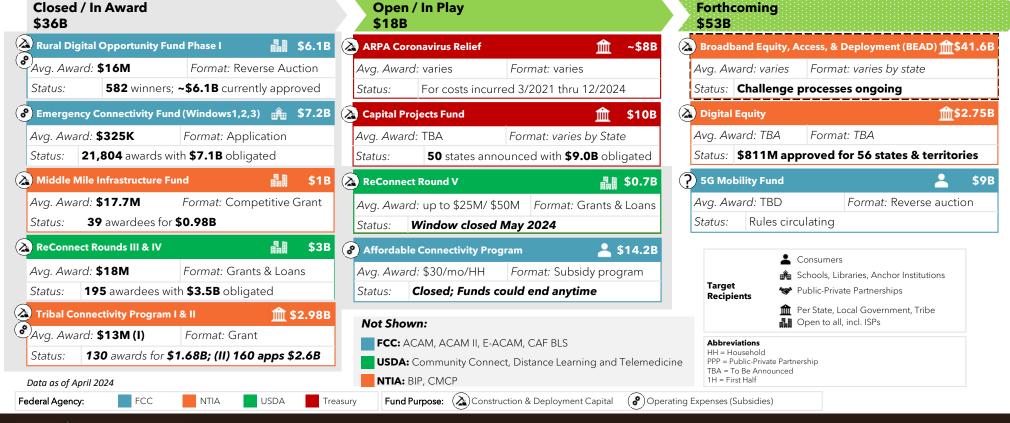
- 5G is a BIG investment for the mobility companies
- 5G-based Fixed Wireless Access as the (currently)
   ONLY 5G Killer App
- Availability tied to "fallow" spectrum
- Customer behavior is changing





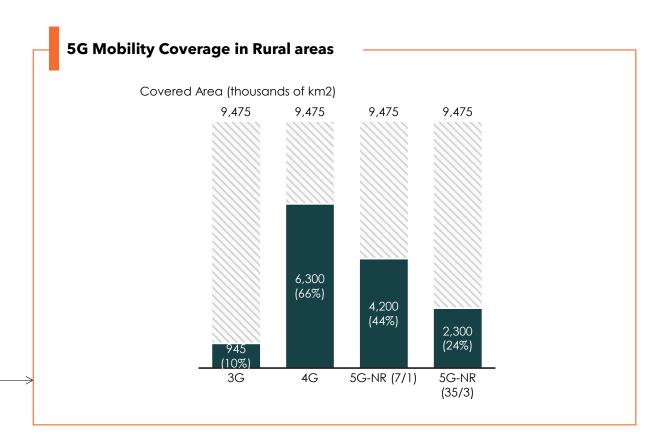


# The Many, Confusing Faces of Government Funding



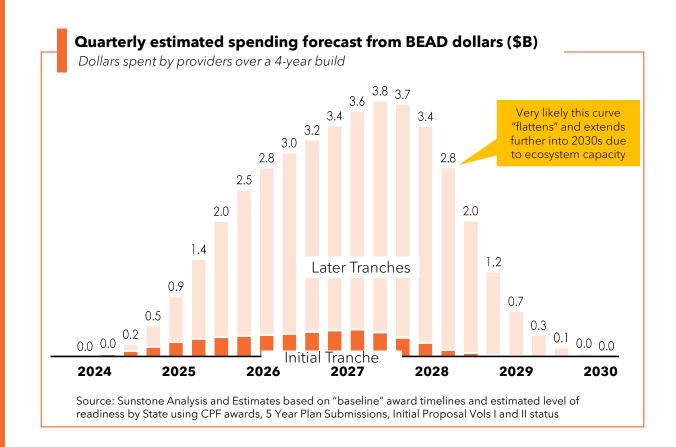
# The Many, ConfusingFaces of GovernmentFunding

- More than \$100B in funding on the board
- Varying Rules and Administrators
- Timing Considerations
- Areas Left Behind
- Here comes the \$9BMobility Fund





- \$42B Does Not Come All At Once
- State Timelines and Administrative Capacity Vary
- Ecosystem Capacity will Need to Grow

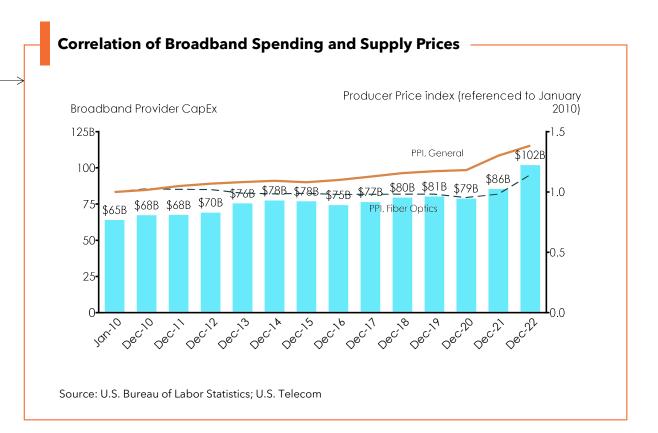






## The BEAD Land Grab Moment

- What History Tells Us About Spending and Pricing
- Other BEAD hidden costs
  - Matching costs/ Bond/ LOC
  - BABA impacts
  - Labor
  - Environmental & Historical
  - Tax treatment
- Long-term implications







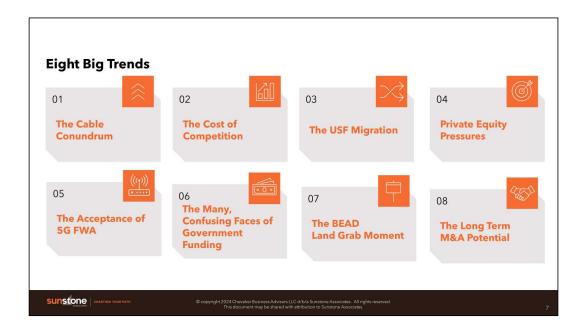
- Broader M&A Market Challenges
- Views on Interest Rates
- Pickup Opportunities Post Programs?
- Realities:
  - Timing
  - Incentive Structure

#### Key inflection points in major programs -- asset pickup opportunities?

Program	First Milestone	<b>Build Deadline</b>
CAF Phase II Auction	2022	2025
Rural Digital Opportunity Fund	Q4 2024/ 2025	~2027-2028
Enhanced ACAM	2026	2028



### What It All Means



The Land Grab moment won't last and there will be winners and losers

Competitive and subsidy dynamics will continue to challenge economics

Longer term growth will increasingly come from new services and products

## A Strategic Roadmap to Navigate the Coming Years

#### **Expansion**

The Land Grab moment won't last and there will be winners and losers

#### **Scale the Network**

- Upgrade within ILEC territory
- Strategic Expansion outside ILEC territory
- Optimize BDC and BEAD challenges
- Leverage public/ private sources of funding

#### **Strategic/ Opportunistic M&A**

- Build your Deal team
- Know your Neighbors
- Monitor Builds and Milestones

#### **Optimization**

Competitive and subsidy dynamics will continue to challenge economics

#### Increase "EBITDU"

- Differentiate value and packages
- Increase automation and standardization where possible
- Look for "efficiency killers"
- Drive product-level profitability
- Enhance service differentiation
- Maximize service orders; minimize trouble tickets
- Lock in supplies at lower costs

#### **Transformation**

Longer term growth will increasingly come from new services and products

#### **Expand Services**

- Expand product sets & revenue streams (e.g., wholesale/ redundancy links, 5G backhaul, etc.)
- Seek new segments (e.g., Enterprise)
- Add Value-Added Services (e.g., MSP, hosted voice solutions, customized offers, etc.)
- Seek innovative models (e.g., IOT)
- Re-invest in the network to enable new service offerings



# 3 Final Tips



2

3

## Set a Big Vision

# Understand Value

# Build a Playbook

## If you feel like this

