



# Broadband Update

January 25, 2024

Presented at 2024 TFI Technology Conference

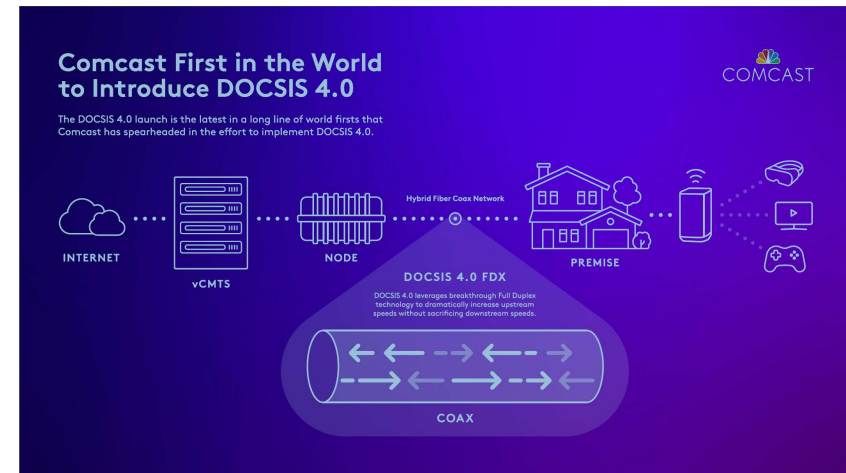
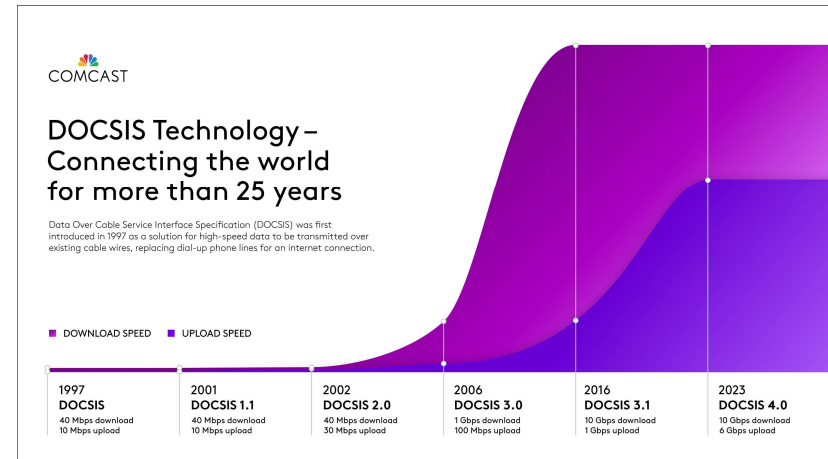
# Comcast Path to DOCSIS 4.0

In 2021 we conducted a live test of full duplex DOCSIS 4.0. Later that year we tested the world's first 10G connection from network to modem.

In 2023 Comcast announced the nation's largest and fastest multi-gig deployment of Xfinity 10G network upgrade to 10 million homes and businesses.



In 2022 first business location in the Philadelphia region was connected to the live network which included the DOCSIS 4.0 enabled 10G node.



# Comcast and Broadcom Develop World's First AI-powered Chipset

- Smarter network performance decisions using network diagnostics insights produced by both local and cloud AI.
- Enhanced monitoring and issue detection using bandwidth-efficient telemetry data.
- Transforming network maintenance of the network using real time issue localization plus predictive and self-healing network intelligence.
- Protecting network facilities and customers with improved cybersecurity intrusion detection.
- Assisting customers more effectively through local and cloud-based AI.
- Monitoring home IoT devices for connectivity disruptions.



# Peacock Exclusive AFC Wild Card Game Is Biggest Live- Streamed Event in U.S. History



[AFC Wildcard](#)

- Peacock set the record for the most-streamed live event in U.S. history and drove the Internet to its largest U.S. usage ever on a single day and the largest Internet event ever, consuming 30 percent of Internet traffic during the game.



## Xumo Begins Nationwide Rollout of Its First Streaming Devices in Charter and Comcast Households

- **Leading with live:** Upon startup, customers will see live video playing from the device's primary video service app such as Spectrum TV, Xfinity Stream or Xumo Play. Additionally, a built-in channel guide makes browsing through subscribed channels a seamless part of the Entertainment OS experience.
- **Hundreds of built-in apps:** Xumo Stream Box comes with the ability to access hundreds of subscription-based and ad-supported streaming apps, including Apple TV+, Disney+, Hulu, Max, Netflix, Peacock, Pluto, Prime Video, Tubi, Xumo Play and more.
- **Seamless browsing:** A curated, content-forward viewing experience that blends AI-driven personalization and human-led editorial recommendations to help customers find something to watch without having to jump in and out of apps.
- **Universal voice search:** Emmy-award winning voice technology allows customers to discover content quickly from available apps and services with a simple voice command into the remote.
- **Favorite lists for every member of the household:** With My List, customers can create multiple lists of their favorite shows and movies – regardless of where that content lives or how it's delivered (live or on-demand) – giving every member of the family a personalized destination to quickly jump into what they want to watch next.

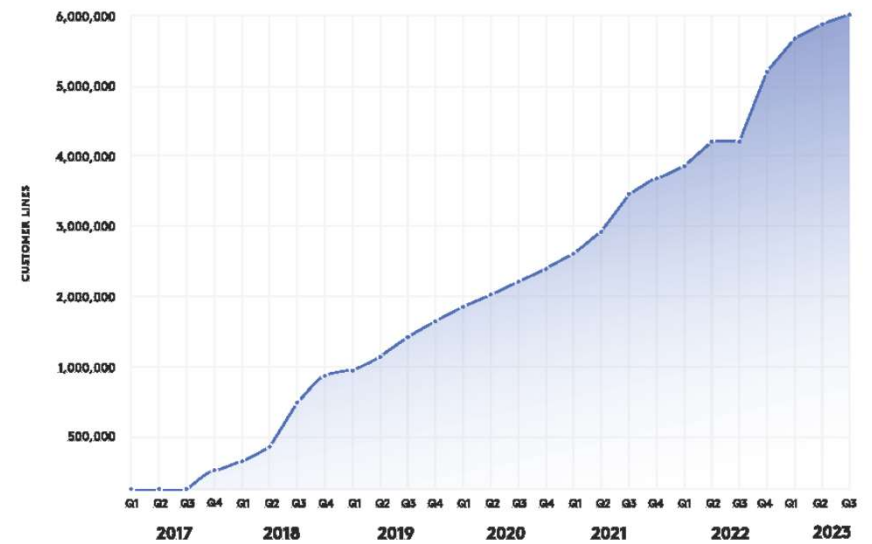
## Xfinity Mobile Update

- 10% penetration with 6 million customer lines. Roughly 300,000 added quarterly.
- 90% data volume for Xfinity Mobile already passes over Xfinity WiFi in and out of the home.
- CBRS spectrum has exceeded expectations.
- 600 MHz “lease to purchase” agreement with T-Mobile.



### 6 Million Customer Lines and Growing

xfinity mobile

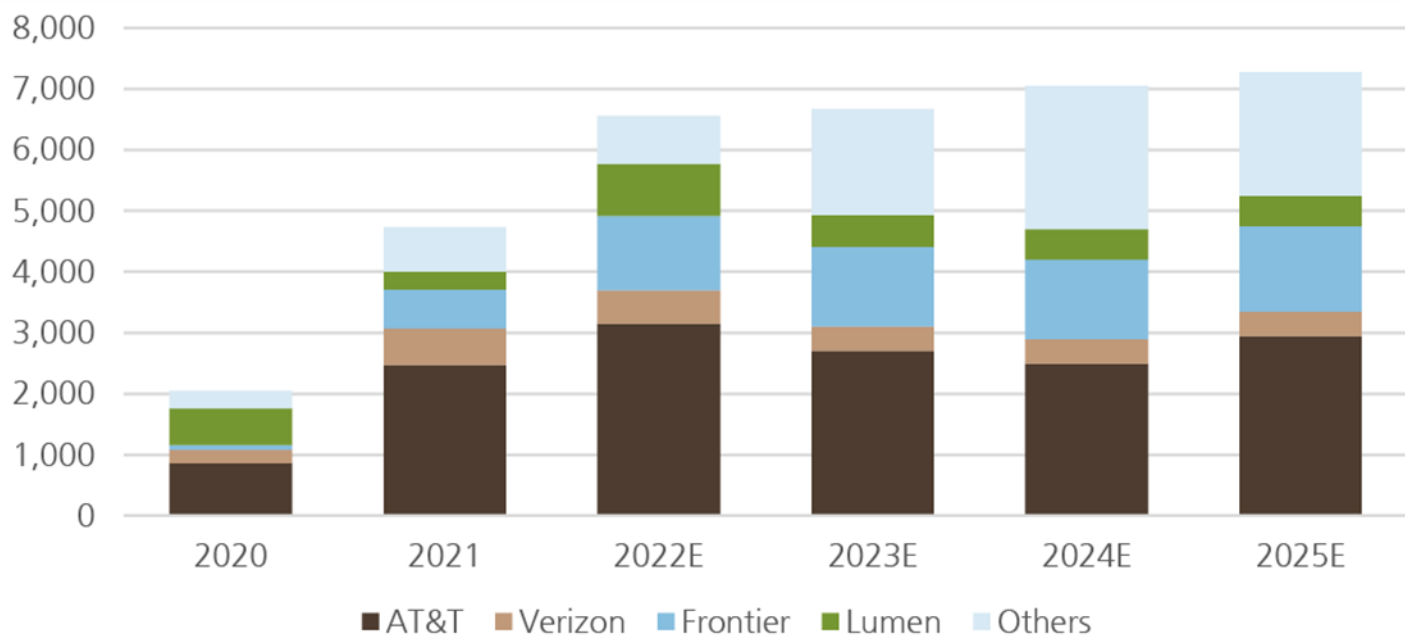


# AT&T Broadband Update

## TFI 2024

# If you build it, will they come?

Annual Telco Fiber Builds by Carrier



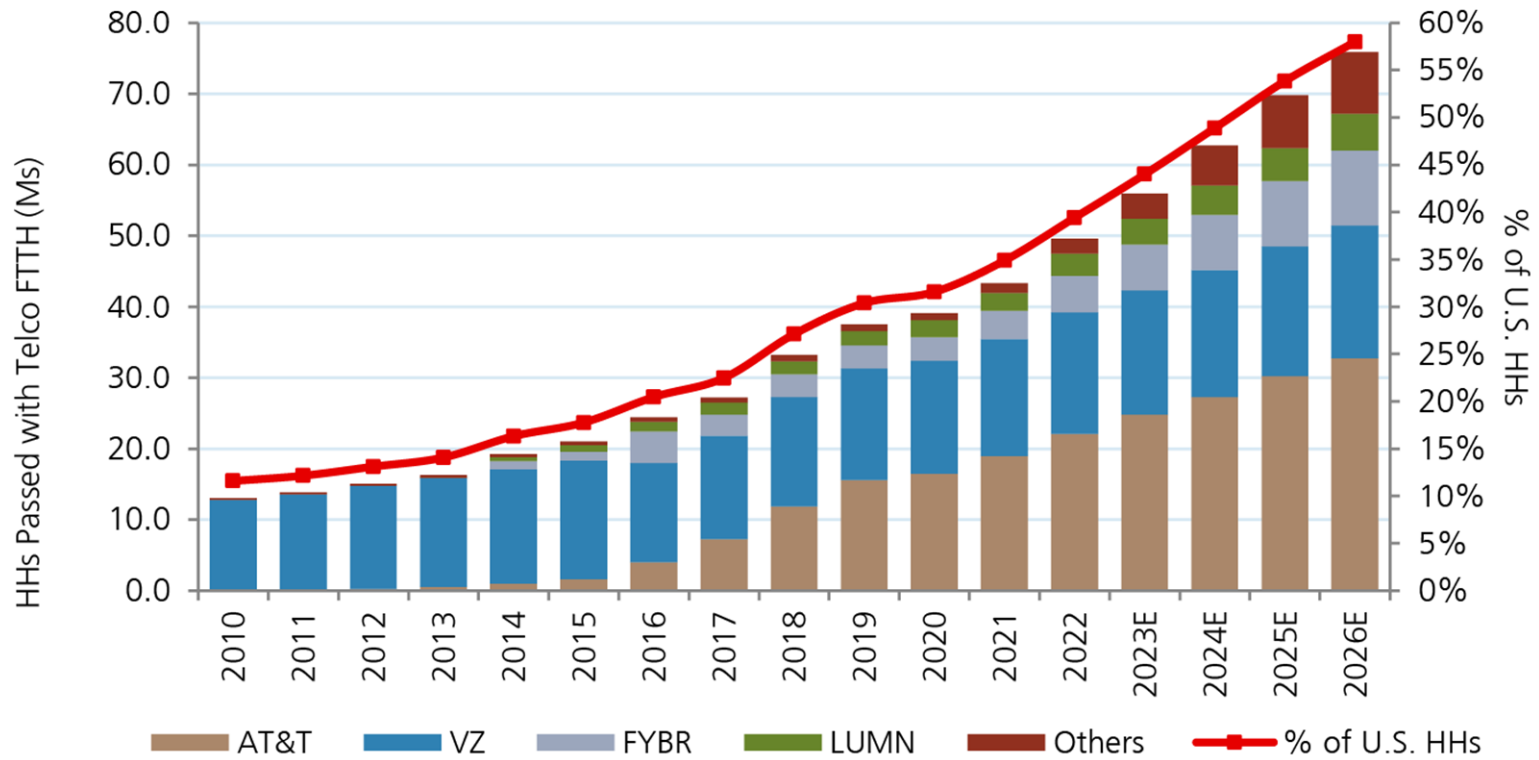
Source: *Top Themes for Cable/Telecom in 2024*, UBS, John C. Hodulik, CFA, January 4, 2024.





# Fiber Builds Continue Ramp Up

## Telco Fiber Homes Passed

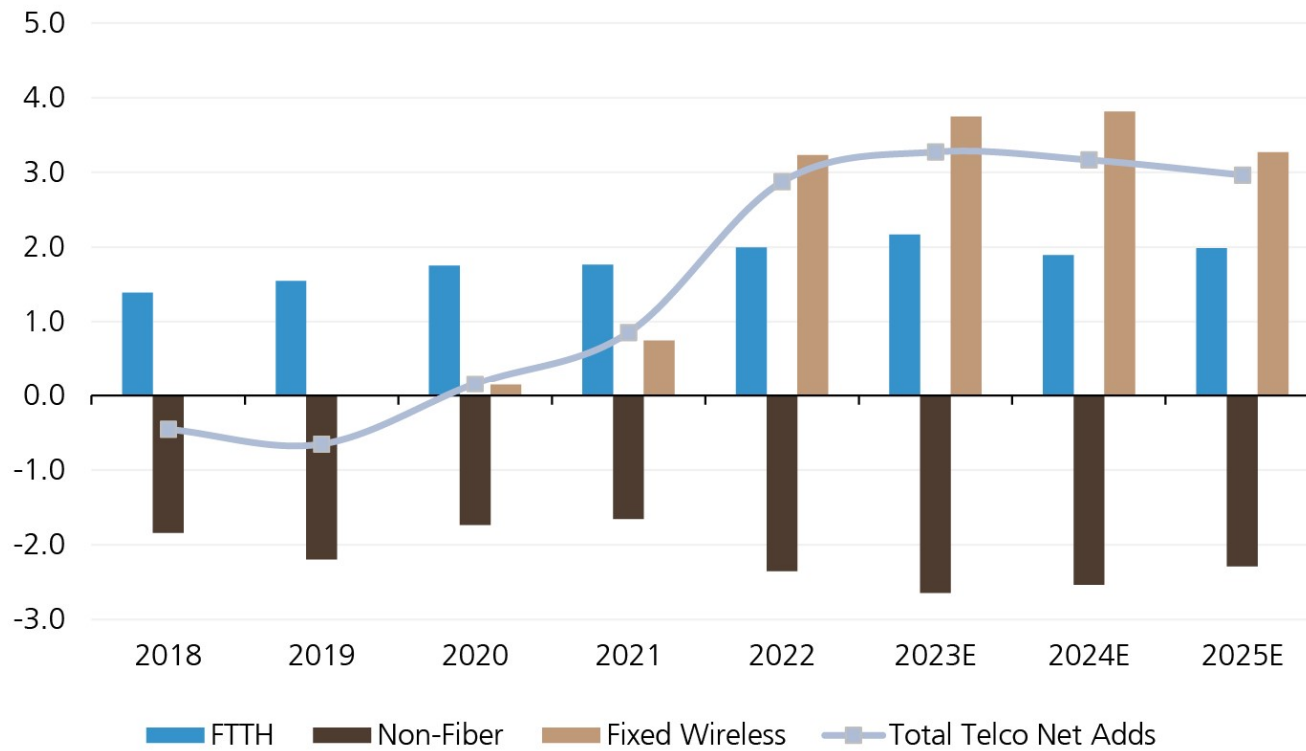


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# Fiber vs Legacy Carries On

Telco Net Adds by Technology (Ms)

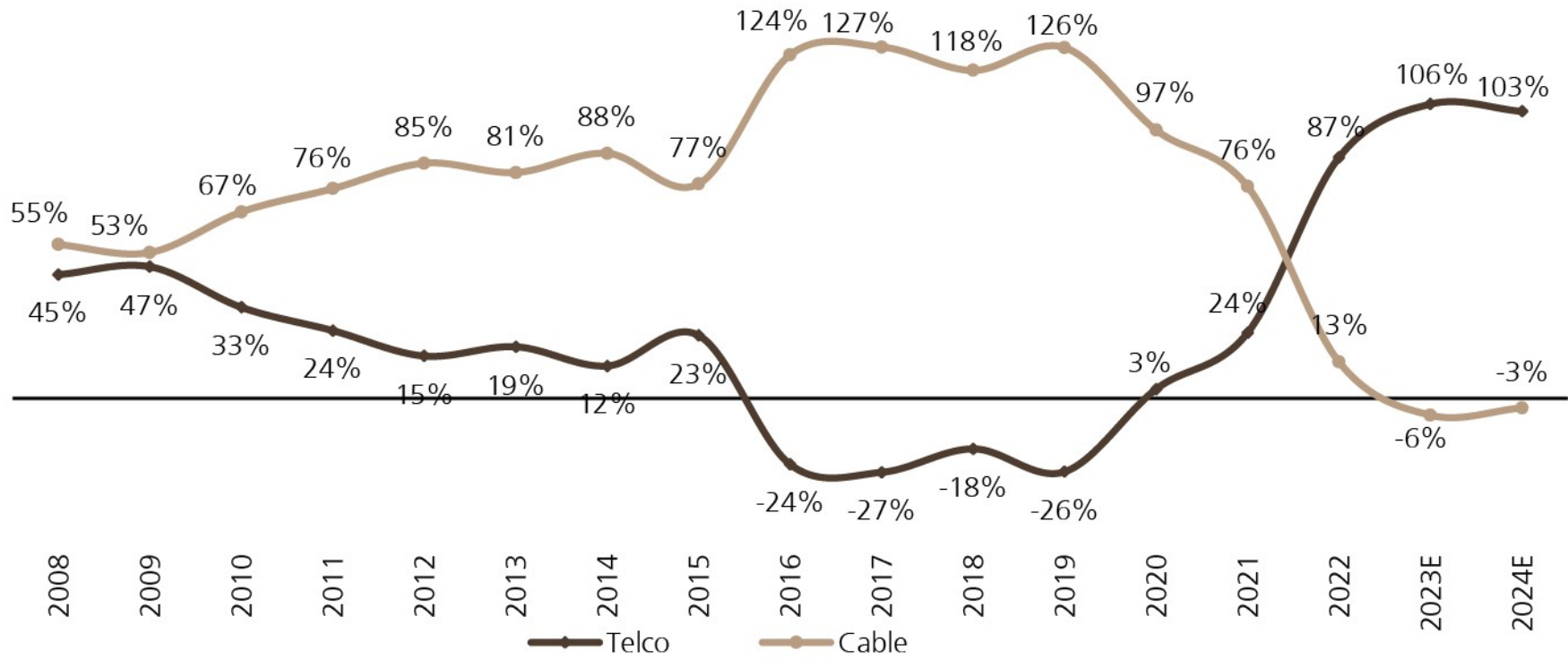


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# Competition

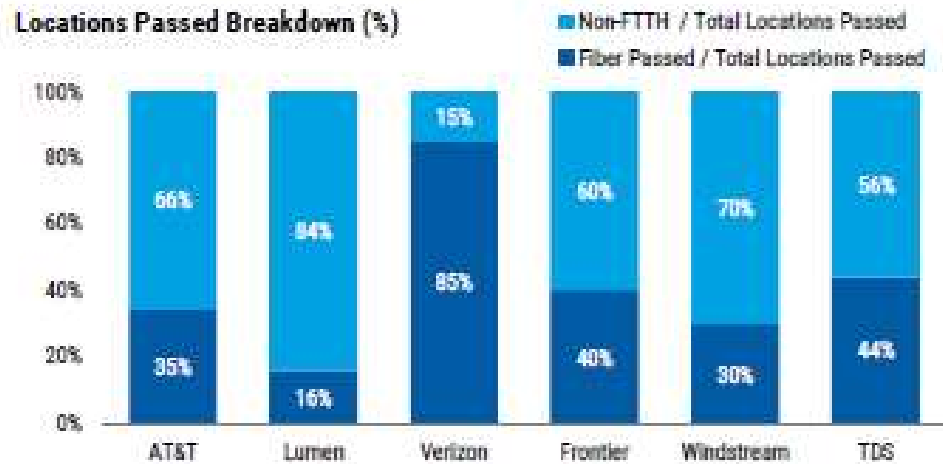
## Broadband Net Add Share – Cable vs Telco



Source: *Top Themes for Cable/Telecom in 2024*, UBS, John C. Hodulik, CFA, January 4, 2024.



## AT&T Fiber (Over)Build Plan – Duplicate Network



Source: Company data, Morgan Stanley Research  
 Notes: TDS Includes ILEC Incumbent and Expansion, excludes CLEC; Fiber locations passed and subscribers reflect consumer only

Overbuild of copper network continues

- **84%** of Fiber build dating back to 2016 is overbuild.
- **Only 35%** of AT&T served locations have been passed by Fiber.
- Results in duplicative networks / additional obsolescence
- Incur additional costs to operate both networks