



Verizon MDU Fiber Deployment

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Agenda

➤ **Marketplace Demand**

- Evaluating the change in technology consumption across the generations

➤ **Network Evolution**

How Verizon FiOS has adapted to meet changing needs of the MDU market

- Broadband Speed Roadmap
- Video Content Delivery Roadmap

➤ **The Network Future of Verizon MDU**

- Short and Long-term Roadmap

Marketplace Demand

➤ Multifamily Housing

- Continues to grow, but expected to stabilize as supply catches up to demand

➤ Millennials

- 65% of millennial households rent
- High-speed internet: top amenity

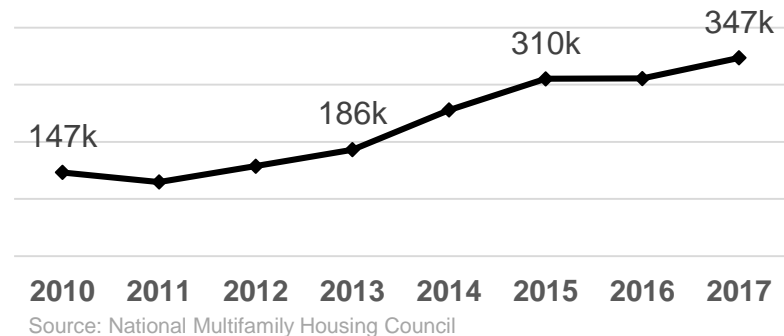
➤ Baby Boomers

- More than half of nation's renter growth since 2008

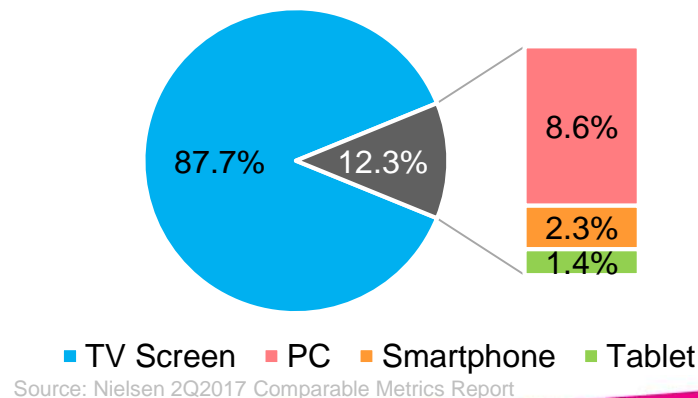
➤ Supply to Meet the Demand

- Broadband consumption does not discriminate across generations
- Strong demand for traditional TV services persists

Multifamily Housing Completions

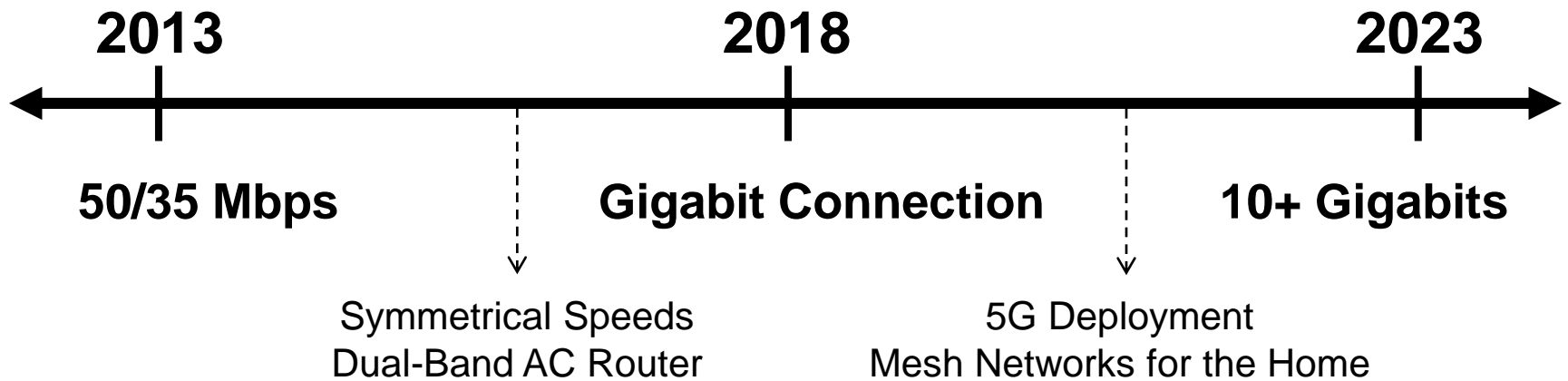


Viewing Time Spent (2Q17)



Network Evolution

Broadband Speed Roadmap



Fios Gigabit Connection

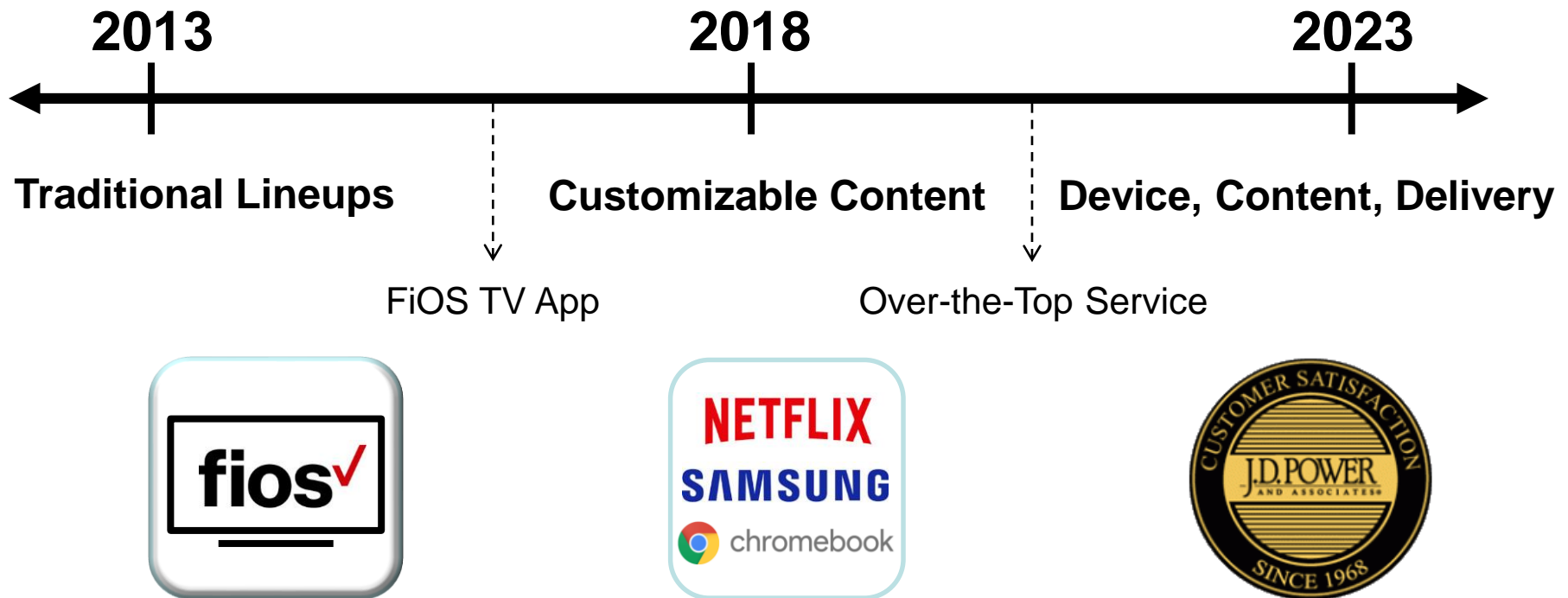
Up to 940 Mbps download
and 880 Mbps upload.



verizon^v 5G

Network Evolution

Video Content Delivery Roadmap





The Future of MDU Broadband

Fixed Fiber: Optimal for Future MDU Broadband Applications

Verizon continues to invest in FiOS across the footprint

Verizon's Commitment to Meet Demands of Developer Partners

- Fully-staffed field sales and support organization
- "Rapid Fiber" solution
- 5G expansion opportunities

Internet of Things

- Exponentially growing number of IoT connected devices
- Rapid growth projections in both commercial and consumer applications

IoT Connected Devices

