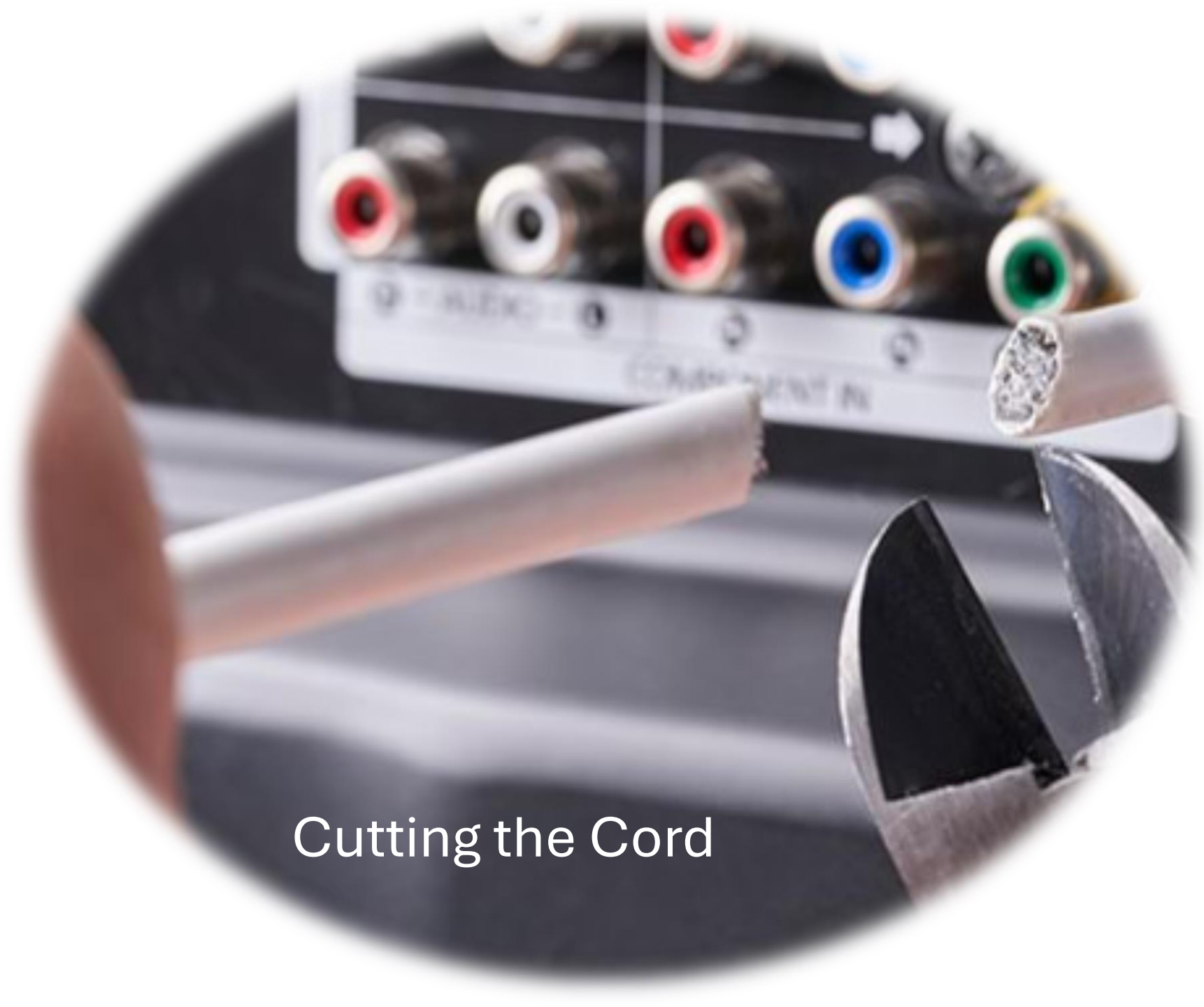


Moving from Cable TV to Streaming

How to save money and
enjoy more content

Bill Gassman - Moultonboro
September 2024



Cutting the Cord

Streaming Live TV Saves Money



Cable TV

Streaming TV

- Cable TV \$261
 - TV Silver (Disney included) \$125
 - Cable Boxes \$25
 - Internet \$85
 - Broadcast surcharge \$25.75
- Streaming TV \$148
 - Streaming TV Choice: \$45
 - bDisney+/ESPN Bundle \$15
 - Broadcast surcharge \$25.75
 - Internet \$63

Current Activity	
Spectrum TV®	
Spectrum TV Select	\$89.99
Basic TV & Expanded Basic TV Services	Included
Disney+ Basic	Included
Digi Tier 1	\$15.00
Spectrum Receivers	\$37.50
3 Receivers at 12.50 each	
Spectrum TV® Total	\$142.49
Spectrum Internet®	
WiFi Service	\$7.00
Spectrum Internet	\$84.99
Spectrum Internet® Total	\$91.99
Credits & Charges	
Broadcast TV Surcharge	\$25.75
Credits & Charges Total	\$25.75
Taxes, Fees & Charges	
FCC Admin Fee	\$0.12
Franchise Fee	\$0.56
Taxes, Fees & Charges Total	\$0.68
Amount Due on Jun 5	\$260.91

Current Activity	
Spectrum TV®	
Spectrum TV Choice	\$49.99
Promotional Discount	-\$10.00
Your promotional price will expire on 08/23/25	
Cloud DVR Service	\$4.99
Spectrum TV® Total	\$44.98
Spectrum Internet®	
Spectrum Internet	\$87.99
Promotional Discount	-\$30.00
Your promotional price will expire on 08/23/25	
Spectrum Internet Gig	\$30.00
Promotional Discount	-\$20.00
Your promotional price will expire on 02/23/28	
\$5 Auto Pay Discount	-\$5.00
Spectrum Internet® Total	\$62.99
Credits & Charges	
Broadcast TV Surcharge	\$25.75
Credits & Charges Total	\$25.75
Taxes, Fees & Charges	
FCC Admin Fee	\$0.12
Franchise Fee	\$0.23
Taxes, Fees & Charges Total	\$0.35
Auto Pay Amount	\$134.07

Non-Spectrum: Fidium Fiber \$25 + YouTube TV \$74 = \$99

Topics

- Introduction to TV streaming
- Streaming benefits and challenges
- Streaming devices and services
- Transitioning from cable to streaming
- Choosing an Internet Service Provider
- Practical tips and recommendations
- Q&A



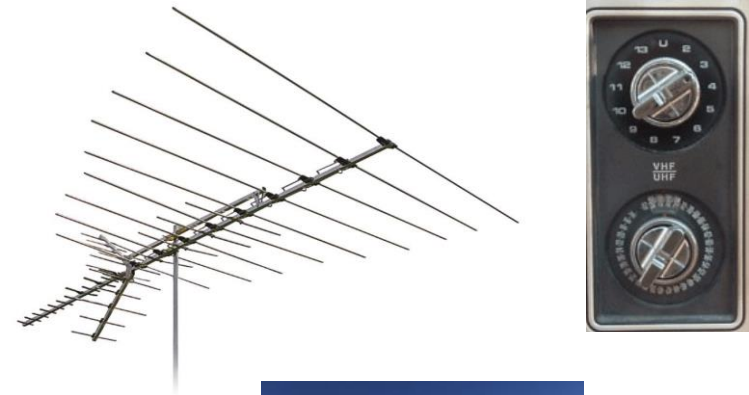
Why Stream TV?

- Benefits:
 - Cost savings
 - Local TV and live cable stations
 - Broad content range
 - Flexible “on-demand” schedule
 - Ad and ad free options
 - Access on multiple devices
- Challenges:
 - Confusing matrix of hardware and services
 - Time delay, flicker and buffering issues
 - Managing multiple subscriptions
 - Access to WMUR/9 and Boston stations



What is Internet TV Streaming

- Using the Internet to deliver traditional TV and live cable stations, movies and more
- Technology Progression
 - **Over the air** – limited choice and signal quality
 - **Cable** – Single provider, higher quality, hundreds of channels
 - **Streaming** – Unlimited channels, watch anywhere, more affordable, service bundles



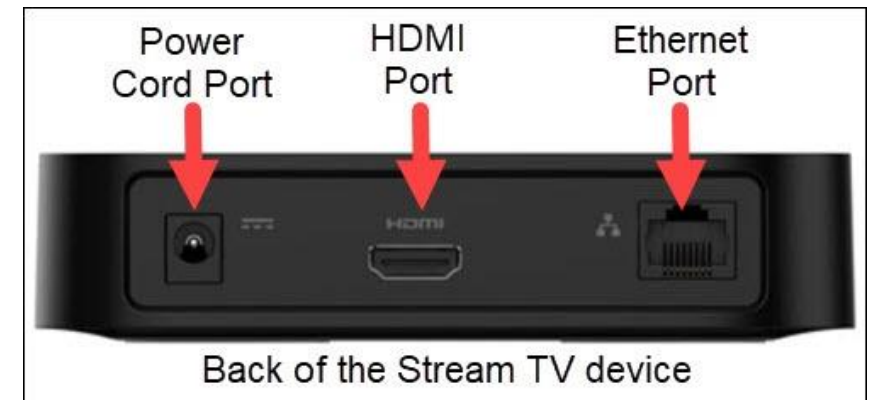
Learning Curve

- Navigating new interfaces on streaming devices
 - Many are user friendly
 - Some allow voice input!
- Installing and managing multiple channels
- Switching TV “input” from cable box to streaming boxes



Streaming Components

- High speed internet (100+ megabits/sec)
- Ethernet cable or WiFi connection
- Streaming devices
 - Smart TV
 - Streaming hardware (e.g. Roku, Firestick)
 - PC/Laptop/Phone
- Content “channels” or applications



Top Streaming Devices

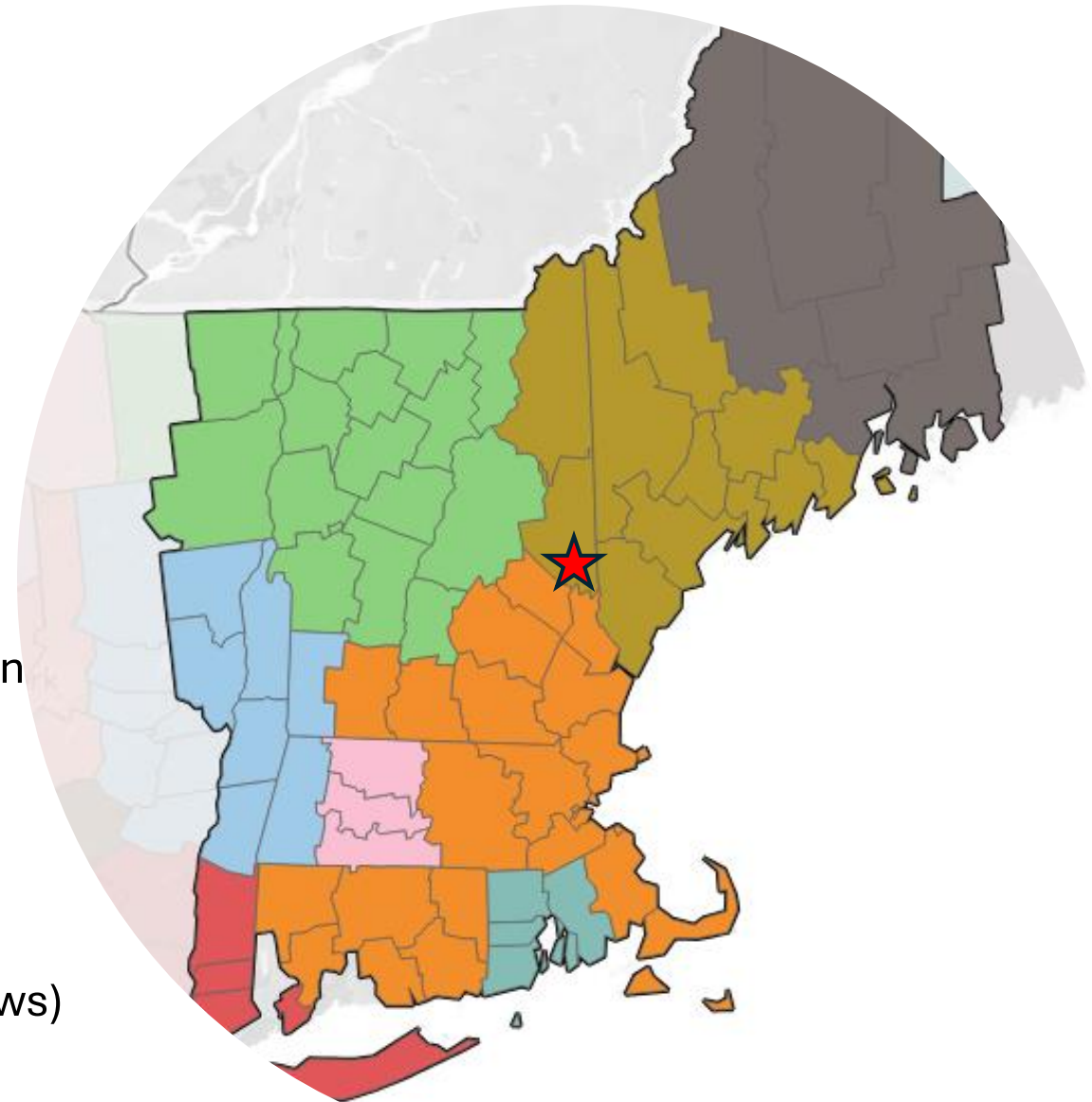
- Smart TV (various brands and options)
- ROKU \$30-100 - 4K, HDR, Dolby
- Apple TV \$80-145 - HD, 4K
- Google Chromecast/Streamer \$30-99
- Amazon Firestick \$30-60
- Spectrum XUMO (\$60)



Designated Market Areas

(Why access to WMUR/9 and Boston Stations is limited)

- Carroll County is in Portland, ME area
- Restrictions
 - Used to direct advertising revenue and license broadcast rights
 - Defined by Nielsen, enforced by FCC
 - Services use billing, GPS or IP address for location
 - WMUR is in Boston DMA
- Work-arounds
 - Spectrum (cable or streaming)
 - Set ZIP code to Wakefield (03830)
 - Use mobile app in Boston DMA once in 30 days
 - Install Very Local app (1 hour delay for WMUR news)
 - Web: www.wmur.com/nowcast



Content Applications

- Many free channels (TED, PBS, FOX, etc.)
- Local TV/Cable Aggregator (WMUR/CNN)
 - Around \$70-\$85/month
 - May include premium content
 - Offer multiple streams and DVR features
- Premium Content (HBO, Netflix, ESPN+)
 - \$5-\$20/month
 - Ad-free options may cost more
 - Bundles are often available
- Most apps offer a free trial period



Local & Live Cable Streaming Aggregators



YouTube TV

\$74/month
Premium Add-on (Sports, 4K, MAX) \$2-\$30



DirectTV Streaming

\$70-\$150 (two-year promotion) including local TV
Higher packages include sports or premium channels



FUBO

\$74-\$99 (depending on number of channels and 4K options)
Strong in Sports
No WMUR



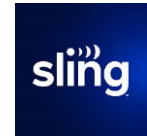
Hulu

Hulu with ads: \$8
without ads: \$18
Hulu + Live TV + Disney+ and ESPN+ \$90
Local TV Only: \$76
Add on options (ESPN+, Disney+, Max, Cinemax, Paramount+, STARZ, Sports)



Spectrum Streaming

Cable plus Local Stations: \$50
PLUS: \$25.75 broadcast surcharge fee
Includes WMUR/9, WHDH/7, NHPBS
Doesn't work on Chromecast hardware



Sling

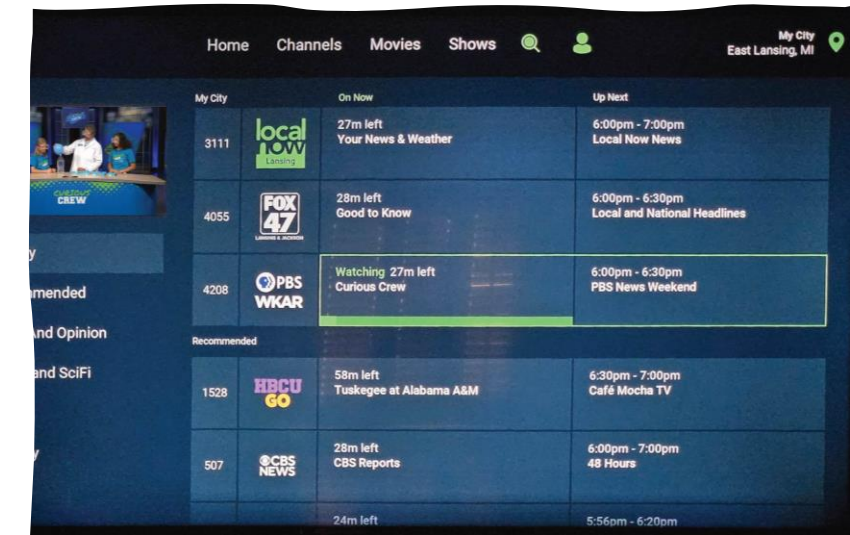
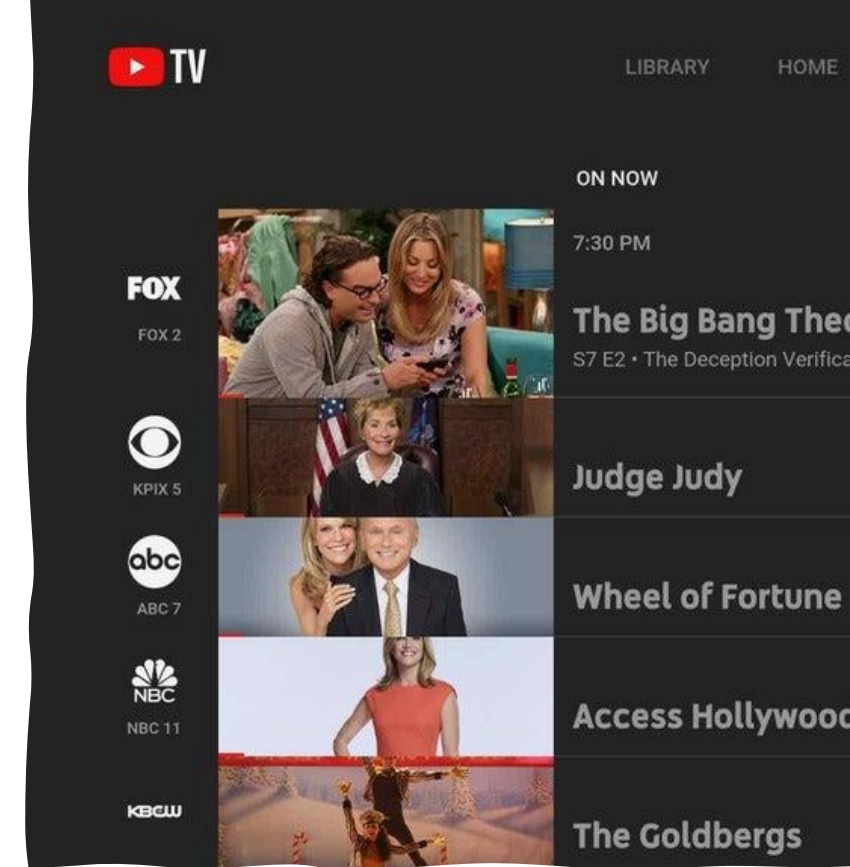
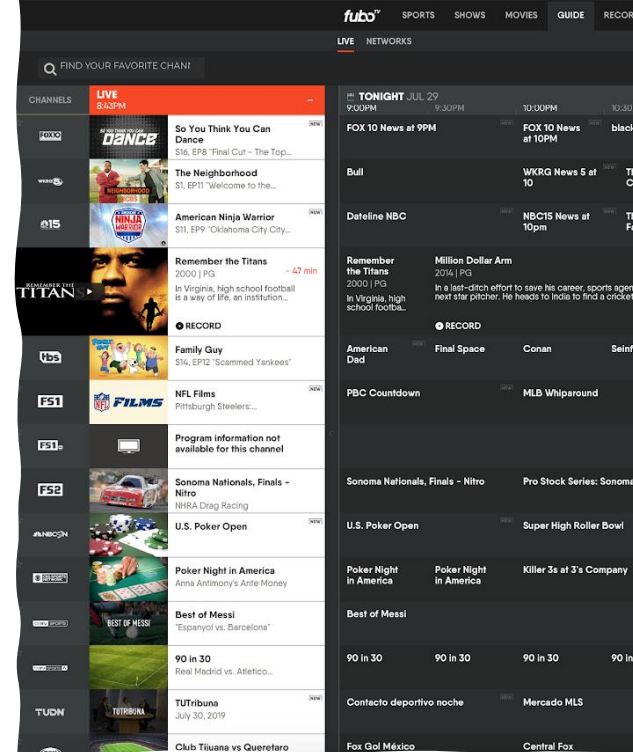
No local stations (\$40-\$55)

Check for latest offers – it changes often



Streaming TV/Cable Guides

- Similar to traditional cable TV guides – with features like:
 - Search
 - Favorites
 - Recording
 - Series recording
- Accessible via PC/Phone for added convenience



A Spectrum User's Choice



1. Keep Spectrum Internet & Cable box; add other streaming channels
2. Keep Spectrum Internet, switch to Spectrum Streaming TV.
 - Optionally with Spectrum Xumo
3. Switch to Fidium and subscribe to streaming TV and/or aggregator service
4. Switch to Fidium and subscribe to free and premium streaming channels



Streaming Tips

- **Tech Support:** Seek help from family or friends familiar with streaming
- **Try Them All:** Take advantage of 10-30 day trials
- **Compatibility:** Ensure your streaming hardware supports your chosen apps (e.g. Chromecast doesn't support Spectrum)
- **Bundles:** Start with aggregation bundles; add individual subscriptions as needed
- **“Very Local” Streaming App:** Offers access to WMUR
- **Service Monitoring:** Regularly review and cancel unused services to save money



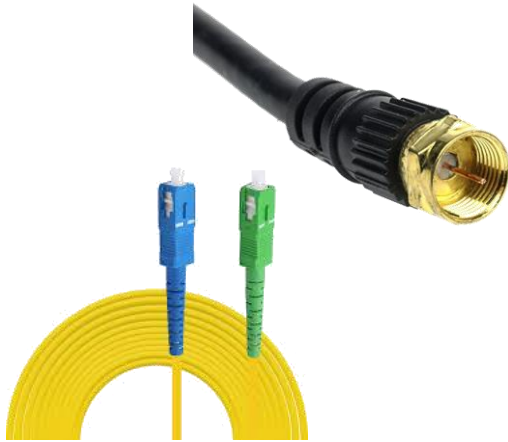
Internet Service Providers

- Connects your home to the internet
- Uses various technology and speeds
- Offer optional services like
 - Routers, WiFi access points, telephone service, email and anti-virus protection



Internet Service Components

Infrastructure (Delivery)

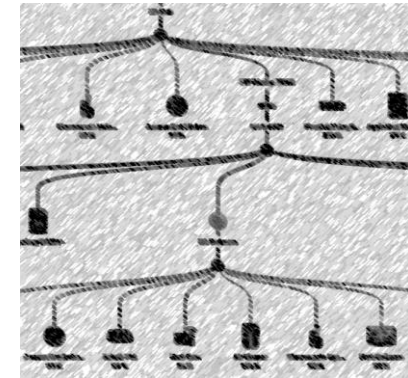


Modem (Conversion)



Local Area Network

Router, WiFi and Extenders



Types of Internet Services



DSL

Digital Subscriber Line

Uses copper phone lines (legacy)

Maximum speed
25Mbps download,
3Mbps upload



Cable

Uses same cable as cable TV

Maximum speeds
1000Mbps download,
40Mbps upload



Fiber Optics

Fiber optic line to house

Speeds to 2000Mbps
symmetrical
More reliable than
coax



Fixed Wireless

Uses radio from ground or satellite stations

Speeds and reliability
based on coverage

Less ideal for
streaming

Carroll County High-Speed Internet Offerings

 Spectrum Internet	 Fidium Fiber	 NH Broadband	 Hub66	 Cellular Home	 Starlink
Cable to the home: Speeds to 1000/40 megabits/second (1000/1000 by 2026) Phone, cable TV, email and streaming TV available	Fiber to the home: Speeds from 100 to 2000 Mbps. Phone service available General availability	Fiber to the home: Speeds from 100 to 2000 Mbps General availability by February 2025	Fixed wireless Good for islands and remote locations Must have line of sight Speeds limited	Good for islands and remote locations Must have good signal Speeds limited Verizon and ATT too	Satellite Wireless Requires good sky view Speeds limited Occasional outages

NH Broadband

- Operated by NH Coop
- Fiber to the home
- Operational in Ossipee in 2025
- Speeds and prices like Fidium (promotional offers may vary)

NH BROADBAND SERVICE EXPANSION

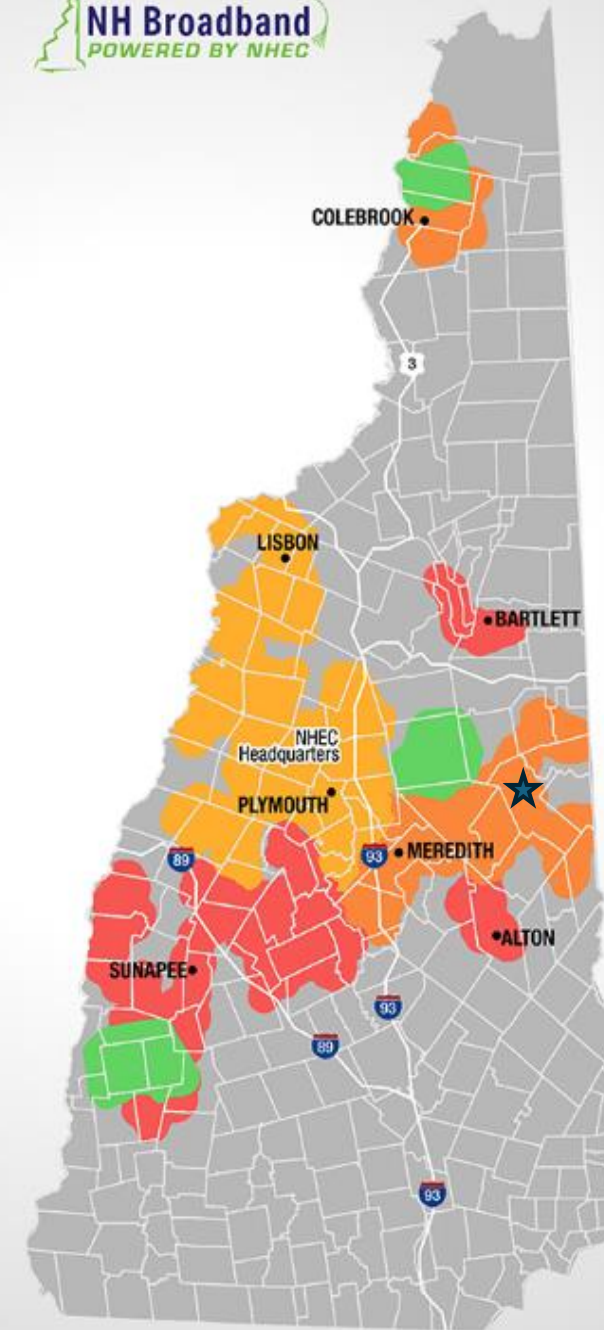
PHASE 1 (5/2022 - 9/2022)

PHASE 2 (4/2023 - 8/2024)

PHASE 3 (9/2024 - 5/2025)

PHASE 4 (6/2025 - 2/2026)

NH Broadband
POWERED BY NHEC



Choice of Internet Hardware

Simple

Get everything from internet service provider
One or two boxes
ISP manages end to end
More convenient, but more costly over time

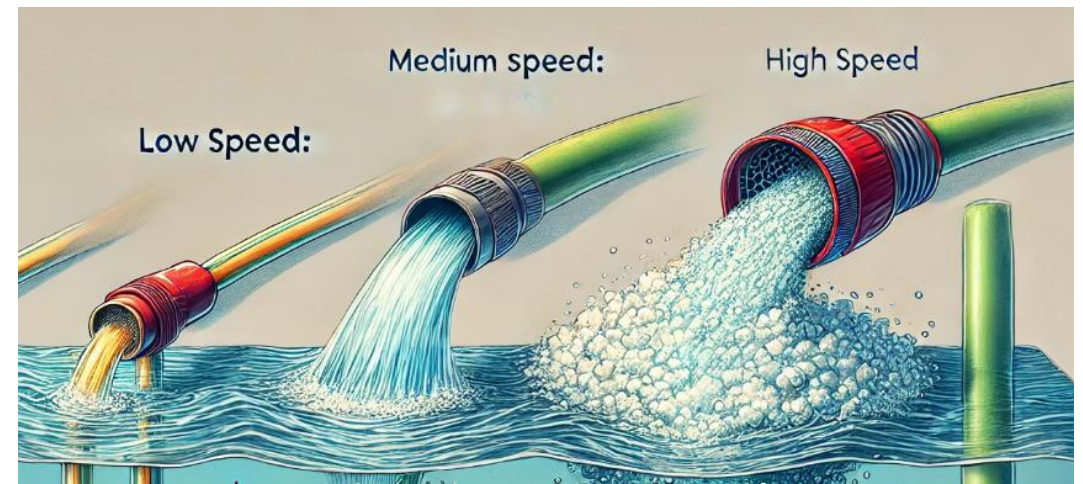
Flexible

ISP supplies modem
Use your own router and WiFi Access Point
ISP support stops at modem

Complex

ISP supplies modem
ISP support stops at modem
Use your router, switches, multiple WiFi Access Points

How Much Speed is Enough?



Light to Medium
Usage (small
households):
100/10 Mbps

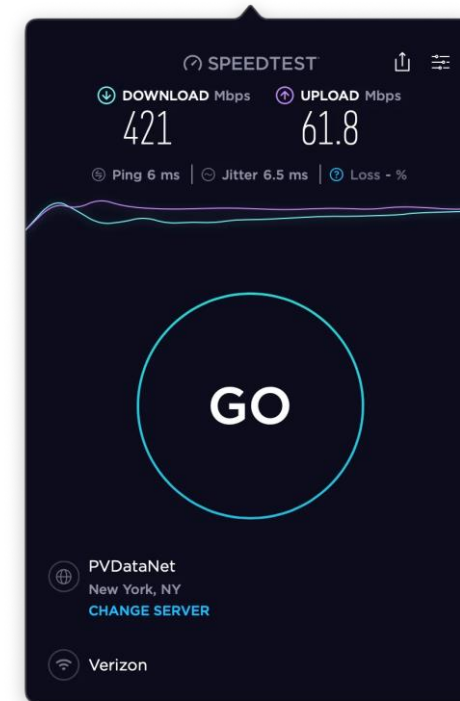
- email, web browsing, streaming, basic smart home.

Medium to Heavy
Usage (small
households):
300/40 Mbps

- multiple streams, gaming, home office

Heavy Usage
(large
households):
1000/1000 Mbps

- content creators, online backups, virtual reality



Speedtest.net or
Speedtest app

Changing Email Services

- No Spectrum means no Roadrunner email
- Choose neutral email provider
 - Gmail, Yahoo, Outlook, iCloud, etc.
- Steps to transition:
 - Set up new email account
 - Migrate essential emails and contact list
 - Update your email on online accounts (banks, subscriptions, etc)
 - Inform your contacts of the change
 - Set up Email forwarding if possible
 - Archive old emails
 - Consider placing the old service on “seasonal rate” during the transition
 - Cancel the old email service and ISP once complete



Making the Transition to Streaming

- Plan your local and live streaming strategy
- Choose an Internet provider
- List transition steps
 - To stay organized
- Begin with trial subscriptions
 - To find what you like
- Use consistent account details
 - To simplify management
- Regularly review services
 - Then cancel those you don't use



Fall 2024 Recommendations

- If you need WMUR, Spectrum Cellular or Roadrunner email:
 - Consider dropping the cable box
 - Use Spectrum Internet and Streaming service
 - Optionally Xumo streaming box
- If no need for Spectrum
 - Switch to Fidium with 100 or 300 Mbps plan
 - Choose Chromecast or Roku streaming box
 - Subscribe to YouTube TV or Hulu +Live TV



Questions?

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- More information
 - <https://cccdnh.org/learning/>
- Copy of slides at
 - <https://tinyurl.com/48afuxe6>

