



# Broadband in Rural Virginia

JCOTS Telecommuting  
Advisory Committee

October 31, 2006

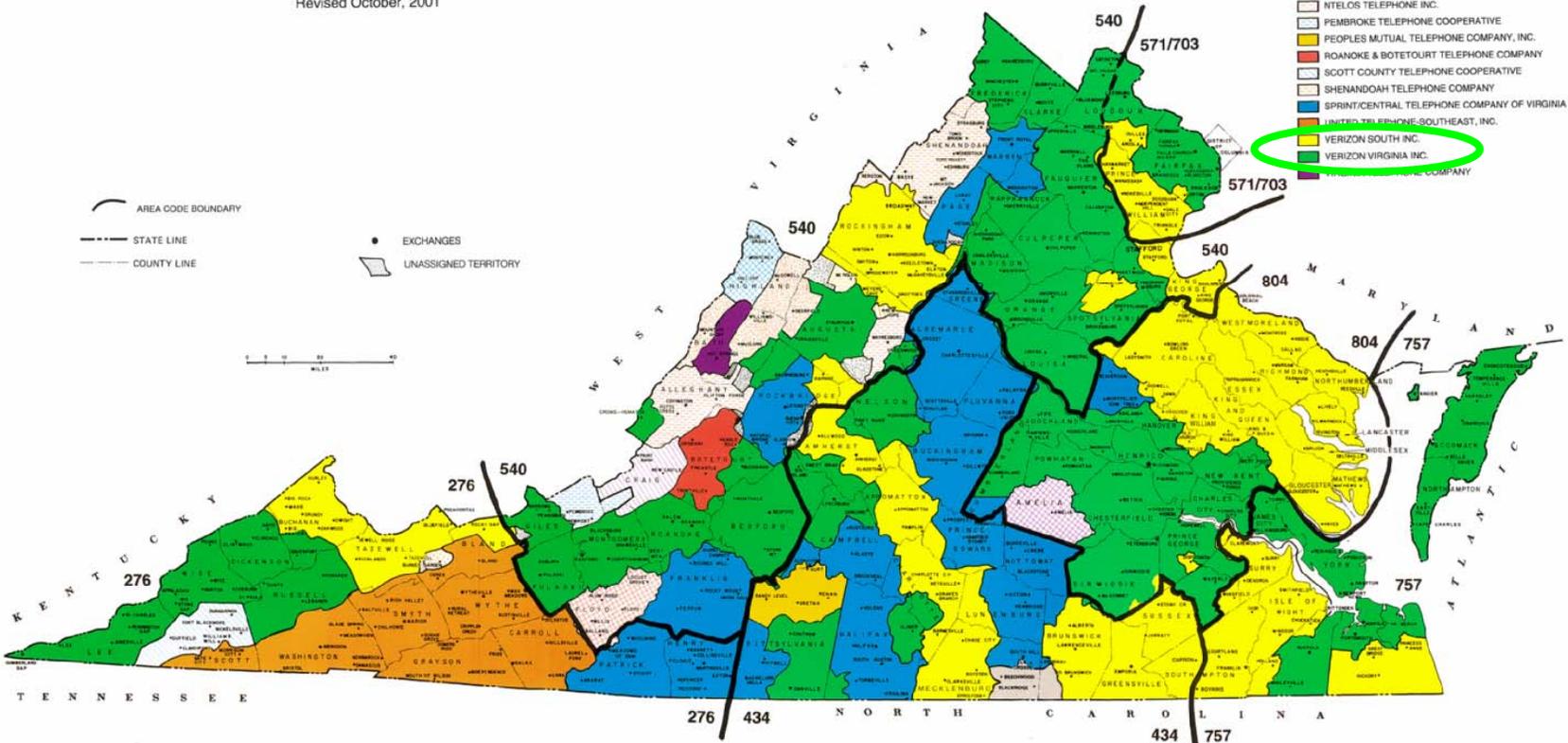
# VIRGINIA INCUMBENT LOCAL EXCHANGE CARRIERS

## BASED ON ASSIGNED-UTILITY FACILITIES ACT

Revised October, 2001

### VIRGINIA INCUMBENT LOCAL EXCHANGE CARRIERS

-  AMELIA TELEPHONE CORPORATION
-  BUGGS ISLAND TELEPHONE COOPERATIVE
-  BURKE'S GARDEN TELEPHONE EXCHANGE
-  CITIZENS TELEPHONE COOPERATIVE
-  HIGHLAND TELEPHONE COOPERATIVE
-  MGW TELEPHONE COMPANY, INC.
-  NEW CASTLE TELEPHONE COMPANY
-  NEW HOPE TELEPHONE COMPANY
-  NORTH RIVER TELEPHONE COOPERATIVE
-  NITELOS TELEPHONE INC.
-  PEMBROKE TELEPHONE COOPERATIVE
-  PEOPLES MUTUAL TELEPHONE COMPANY, INC.
-  ROANOKE & BOTETOURT TELEPHONE COMPANY
-  SCOTT COUNTY TELEPHONE COOPERATIVE
-  SHENANDOAH TELEPHONE COMPANY
-  SPRINT/CENTRAL TELEPHONE COMPANY OF VIRGINIA
-  UNITED TELEPHONE SOUTH-EAST, INC.
-  VERIZON SOUTH INC.
-  VERIZON VIRGINIA INC.
-  [Unlabeled]



Issued By: Rates & Tariffs  
Verizon Virginia Inc.

Verizon service territory covers approx. 2/3 of Virginia, with access lines roughly 75% urban, 25% rural.

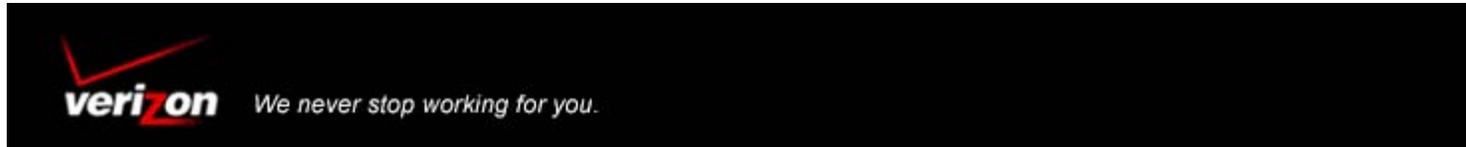
# Broadband





DSL

# Residential



## Verizon Online DSL

Get the Best Deal Online!

- DSL for Home**
- Packages & Prices
- All About DSL
- System Requirements
- FAQs

**Still on AOL?**  
Connect faster.  
Avoid busy signals.  
Keep your email.  
Save money.  
**Get the best of the Internet with DSL** ▶

### Packages & Prices

#### DSL Starter Package

**\$14.95/mo.** for 12 months & Modem at **no charge**

- More than 20 times faster than dial-up\*
- Three installation steps
- Connection speeds up to 768 Kbps

Offer Available Only Online!

**Can I Get It?**

#### DSL Power Package

**\$29.99/mo.** for 12 months & **FREE** wireless networking

- More than 80 times faster than dial-up\*
- Free wireless networking starter kit
- Three installation steps
- Connection speeds up to 3.0 Mbps

Offer Available Only Online!

**Can I Get It?**

[Month-to-Month options also available here](#)

### All DSL packages include:

- Choice of Verizon Yahoo! or MSN Premium
- Tons of cool features & entertainment
- 24/7 live technical support
- 10 MB of personal Web space
- 30-day money-back guarantee
- 9 e-mail accounts
- Self-install kit

# Business

**DSL for Business**

Packages & Prices

System Requirements

FAQs

**Learn More**

Offer Details

Connection Speeds

IP Address Type

**DSL Availability**

Please enter your phone number

**GO!**

## Packages & Prices

### The Best Value in Broadband

Order online and get **three months FREE** on qualifying packages (after rebate)!

Plans start as low as \$24.95/mo. (up to 768K)



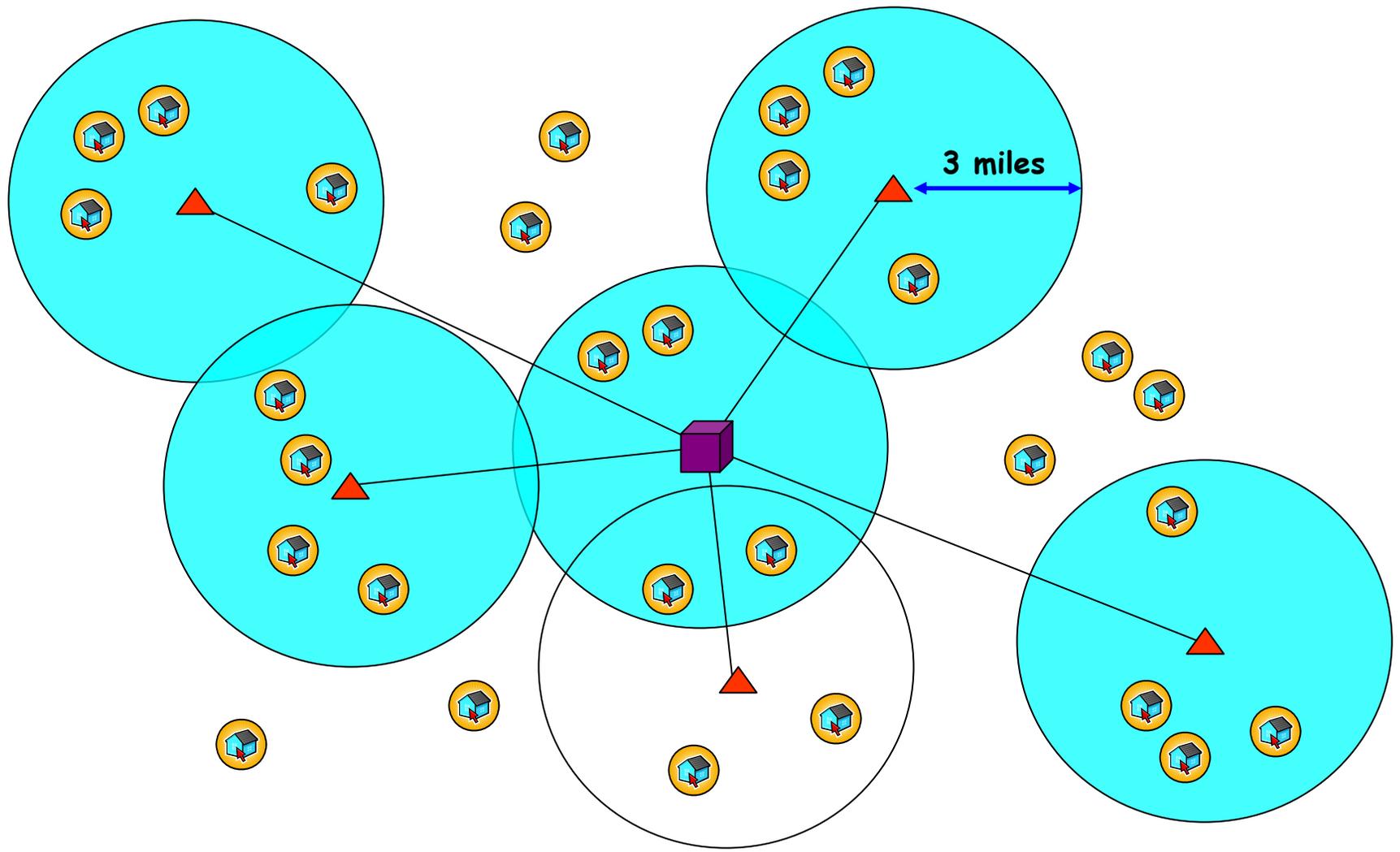
### Verizon Business DSL

<a href="#">Maximum Connection Speed</a>	Up to 768 Kbps /128 Kbps	Up to 3 Mbps /768 Kbps	Up to 3 Mbps /768 Kbps	Up to 7.1 Mbps /768 Kbps
<b>Monthly Price</b>	\$24.95	\$39.95 1st month FREE	\$79.95 1st month FREE	\$199.95* 1st month FREE
<a href="#">IP Address Type</a>	Dynamic	Dynamic	Static	Static
<a href="#">Rebate</a>	\$50.00	\$79.90	\$159.90	\$399.90
<b>Package Features</b> <a href="#">Open Details</a> ▾	Basic	Basic	Full	Full
<a href="#">View more speed/package options.</a>				

Actual throughput speed will vary.

\*Monthly price for 7.1 Mbps packages is lower in some locations.

# Sample Network/DSL Diagram





## DSL Deployment Statistics

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**963** Sites

Across Verizon's Serving Territory in Virginia

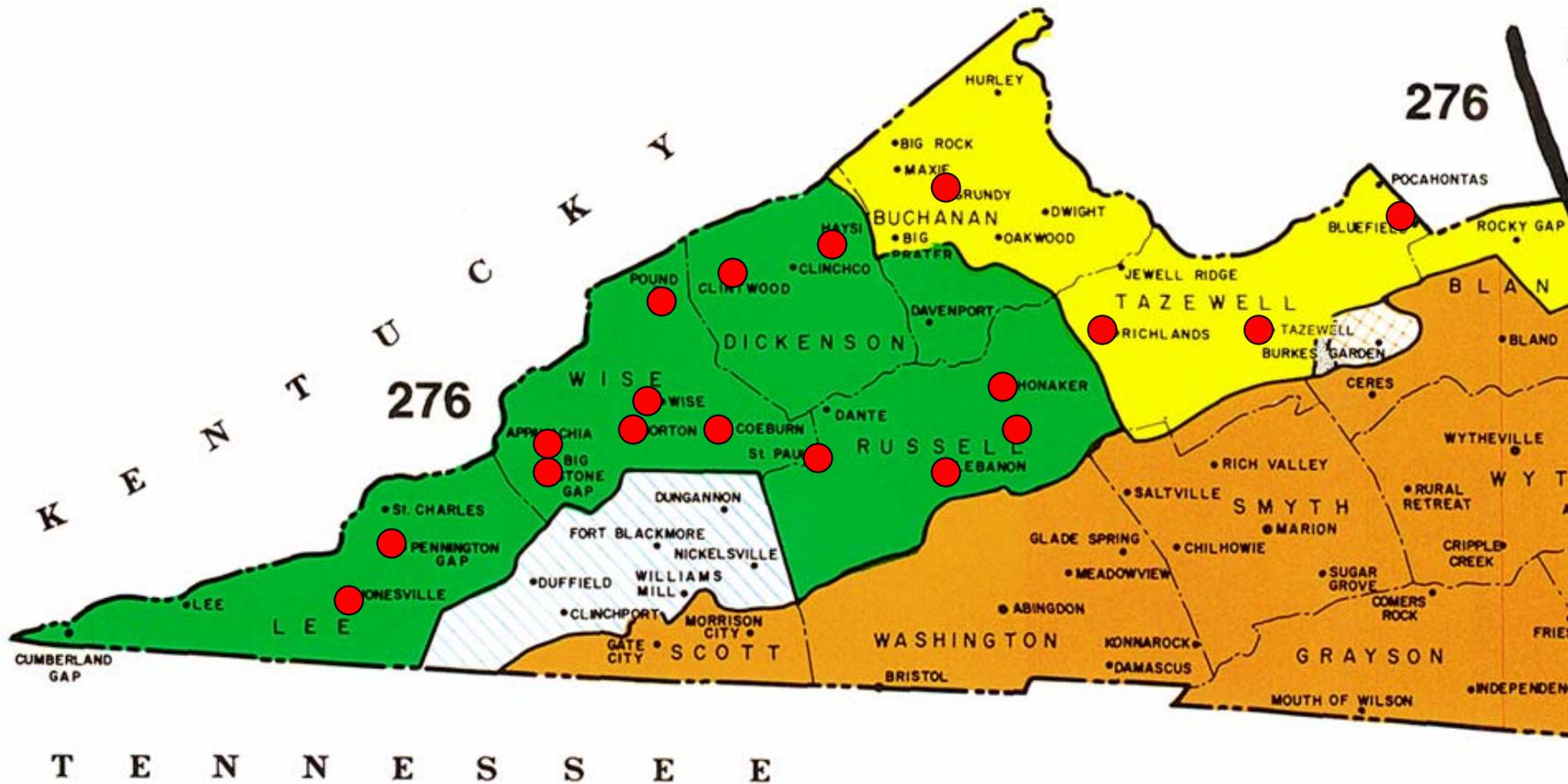
**30%** Rural

In 2006,

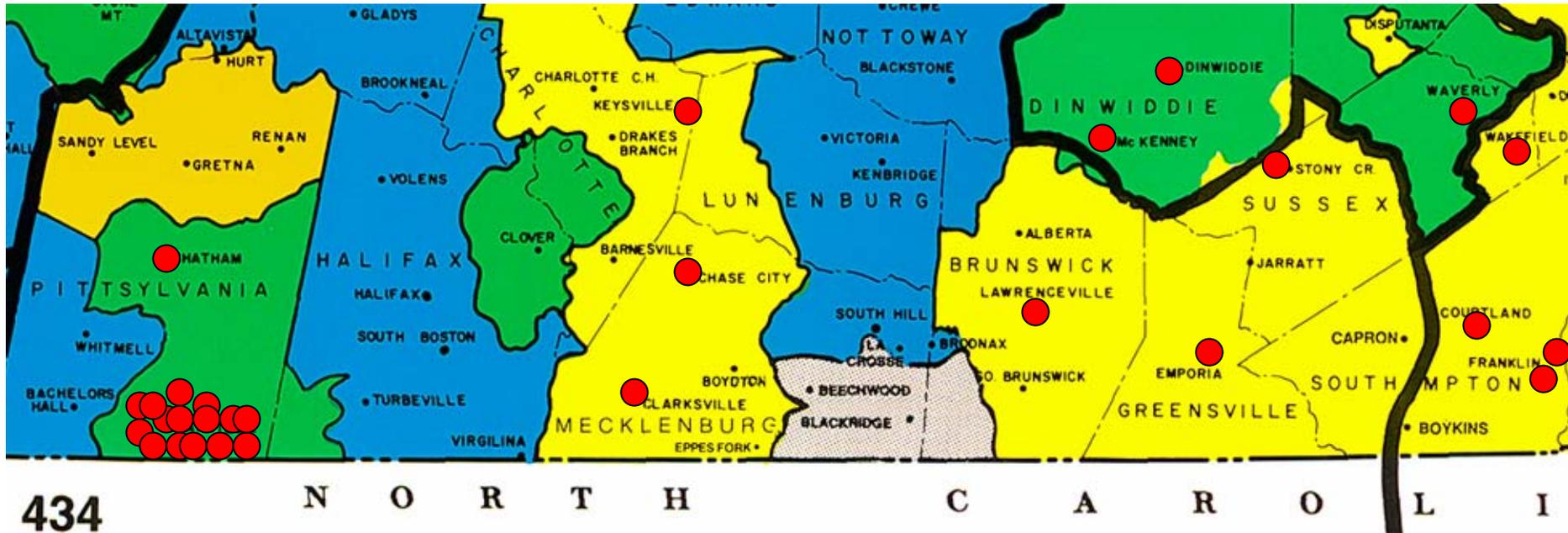
**2/3s** of the New DSL Offices are Rural



# Southwest Virginia DSL



# Southside Virginia DSL



434

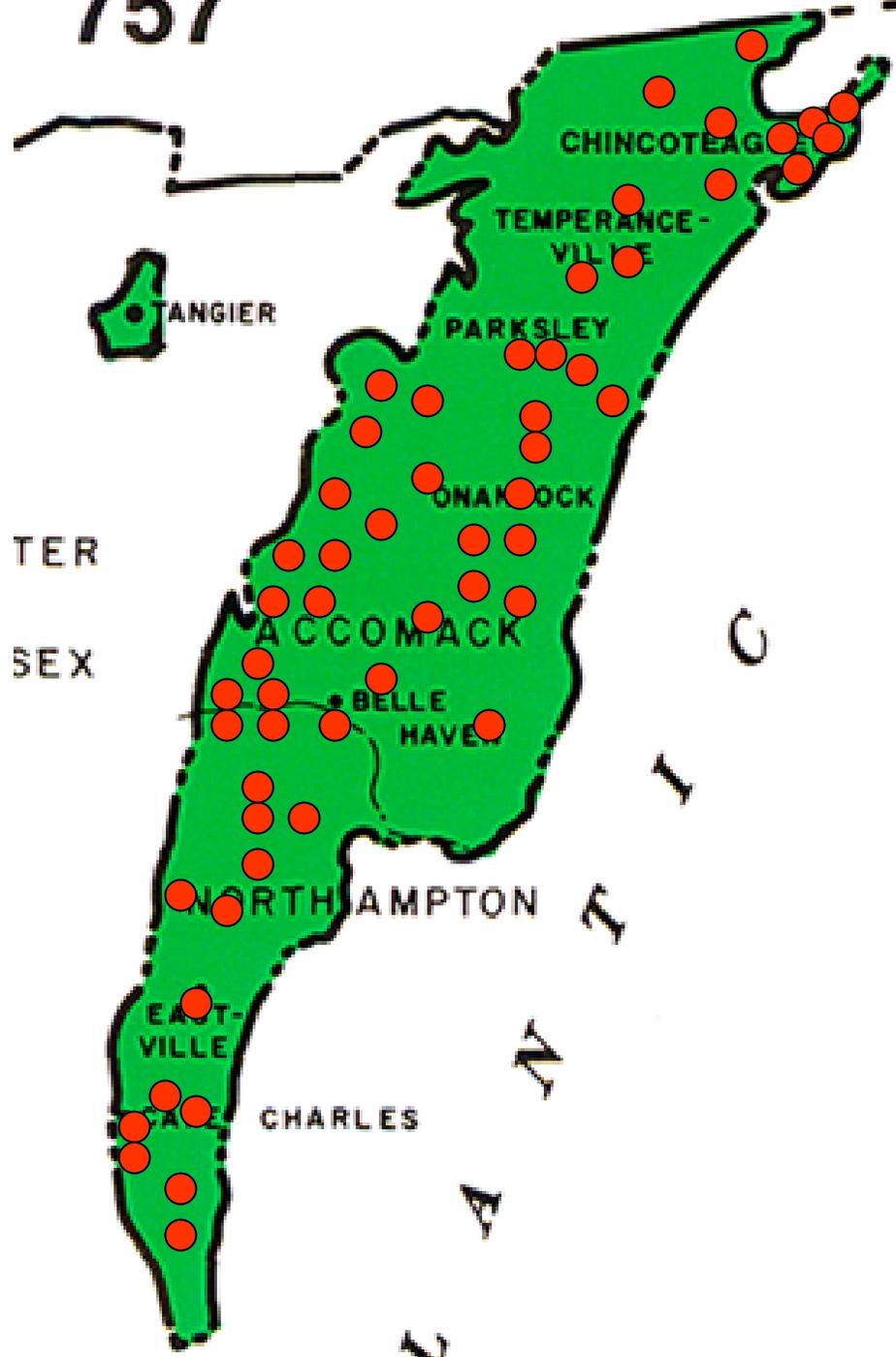
N O R T H C A R O L I N A







151



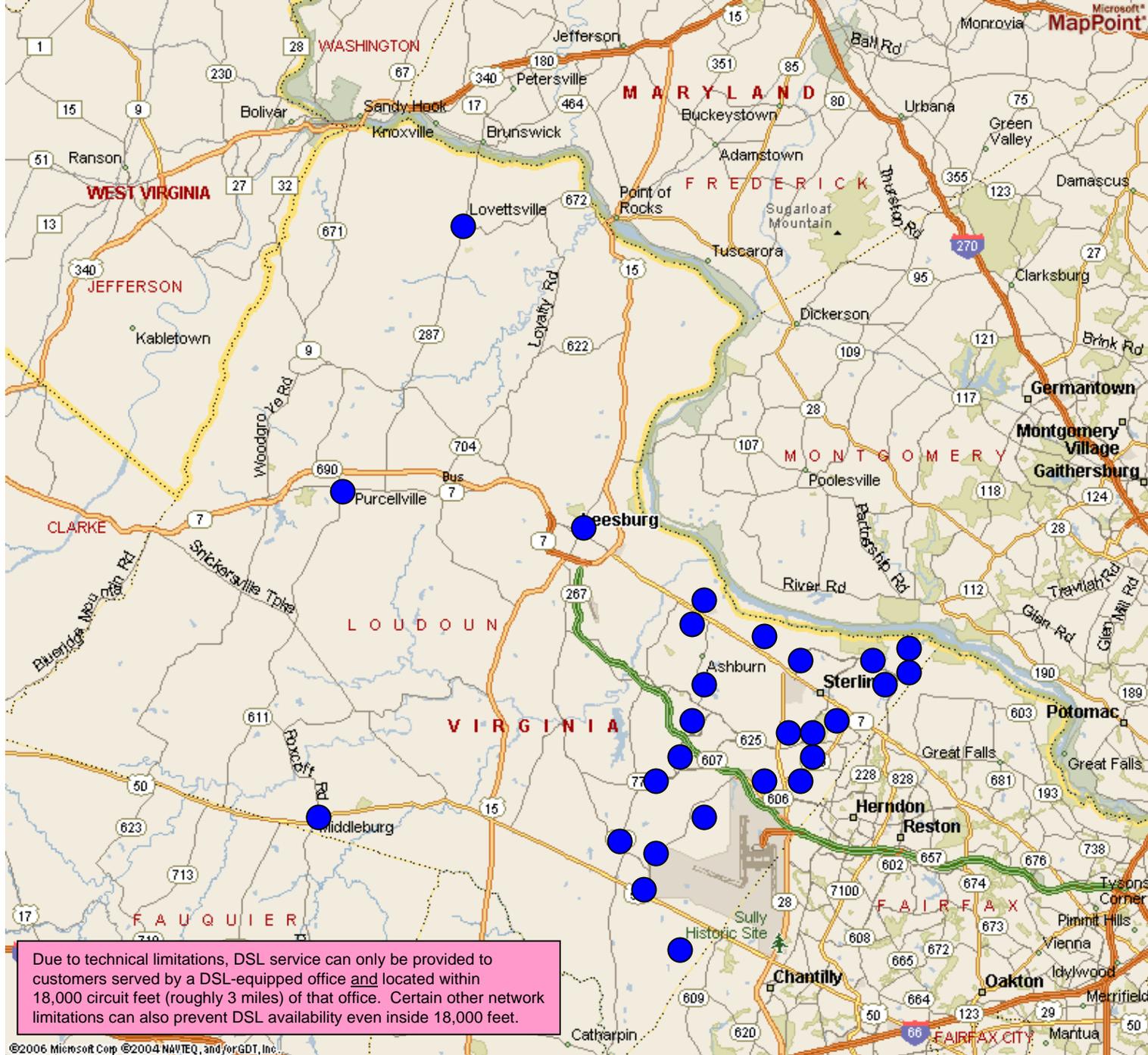
TER  
SEX

Eastern Shore  
DSL





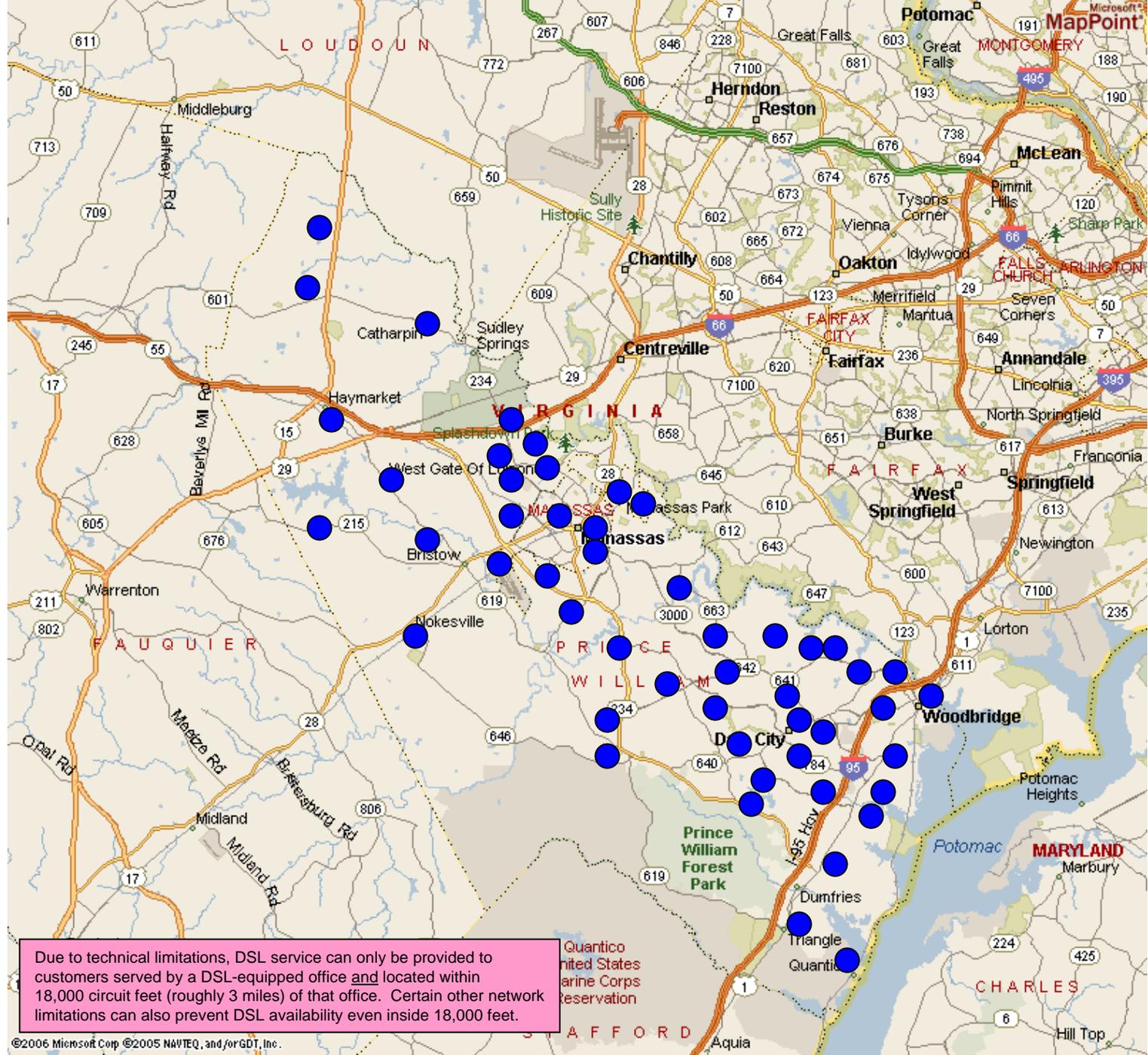
## Loudoun County DSL Offices



Approximate Locations for Illustration Only



# Prince William County DSL Offices



Due to technical limitations, DSL service can only be provided to customers served by a DSL-equipped office and located within 18,000 circuit feet (roughly 3 miles) of that office. Certain other network limitations can also prevent DSL availability even inside 18,000 feet.

Approximate Locations for Illustration Only



EV-DO

PERSONAL

**BUSINESS**

MY ACCOUNT

PRODUCTS & SERVICES | INDUSTRY SOLUTIONS

You are shopping in  
Mathews, VA  
[Change](#) | [Coverage Locator](#)

## BroadbandAccess

**BroadbandAccess is available in 181 major metropolitan areas covering over 162 million people, and is expanding coast to coast. Speeds average 400-700 Kbps with bursts capable of 2 Mbps based on our network tests with 5MB FTP data files without compression. Typical upload speeds of 60-80 Kbps Actual speeds and coverage may vary.**

### Products & Services

[Overview](#)

#### → Home

[Service Overview](#)

[Coverage](#)

[Notebook Solutions](#)

### Special Offers



#### Employee Discounts

Get special pricing through your employer

[Check for discounts](#)

### Existing Customers

Add a line or upgrade your phone through My Business Account.

[Sign Up](#) | [Login](#)

### New Customers

Join Verizon Wireless.

→ [Less than 5 employees](#)

→ [5-49 employees](#)

→ [50+ employees](#)

With BroadbandAccess from Verizon Wireless, you can experience our **high-speed wireless broadband network** which can meet your needs for a secure data network while allowing you to stay in touch and be more productive.

**BroadbandAccess**  
Discover the benefits of BroadbandAccess

- Fast
- Mobile
- Secure
- Simple
- Flexible

[LEARN MORE](#)

### Getting Started

→ [Shop Online Today](#)

If you're a business account purchasing service for 5 or more employees, [Contact a Business Sales Representative](#).

→ [Visit a Retail Store](#)

**Unlimited BroadbandAccess**  
for only **\$5999** monthly access

→ [Learn More](#)

1/2-yr customer agreement and qualifying voice plan







FiOS



## Packages & Prices

### FiOS Internet

#### Packages & Prices

#### All About FiOS

#### About Installation

#### System Requirements

#### FAQs

#### Contact Us



### A word from one of our customers

I appreciate new and advanced technology and FiOS is obviously where the future is headed in fast Internet speed. I see everything in the future (television, radio, movies, telecommunications) going through fiber optics.

Trish Landers, Keller, TX

The speed of FiOS will change your life.



Where else can you get sizzling speeds up to 5 Mbps for less than \$40/month? Get hooked up to FiOS and experience the Internet at a whole new velocity.

### See What We Have For You!

Even faster speeds may be available at your location!  
Enter your Verizon phone number to find hot deals in your area.

Don't have a home phone number? [Verify by address](#)

### Verizon FiOS Internet Service - 2 plans, 3 speed options

Pricing Plan	Maximum Connection Speed	One-Time Installation Fee*	Monthly Price
One Year Agreement	Up to 5 Mbps/2 Mbps	FREE	\$34.95
	Up to 15 Mbps/2 Mbps	FREE	\$44.95
	Up to 30 Mbps/5 Mbps	FREE	\$179.95

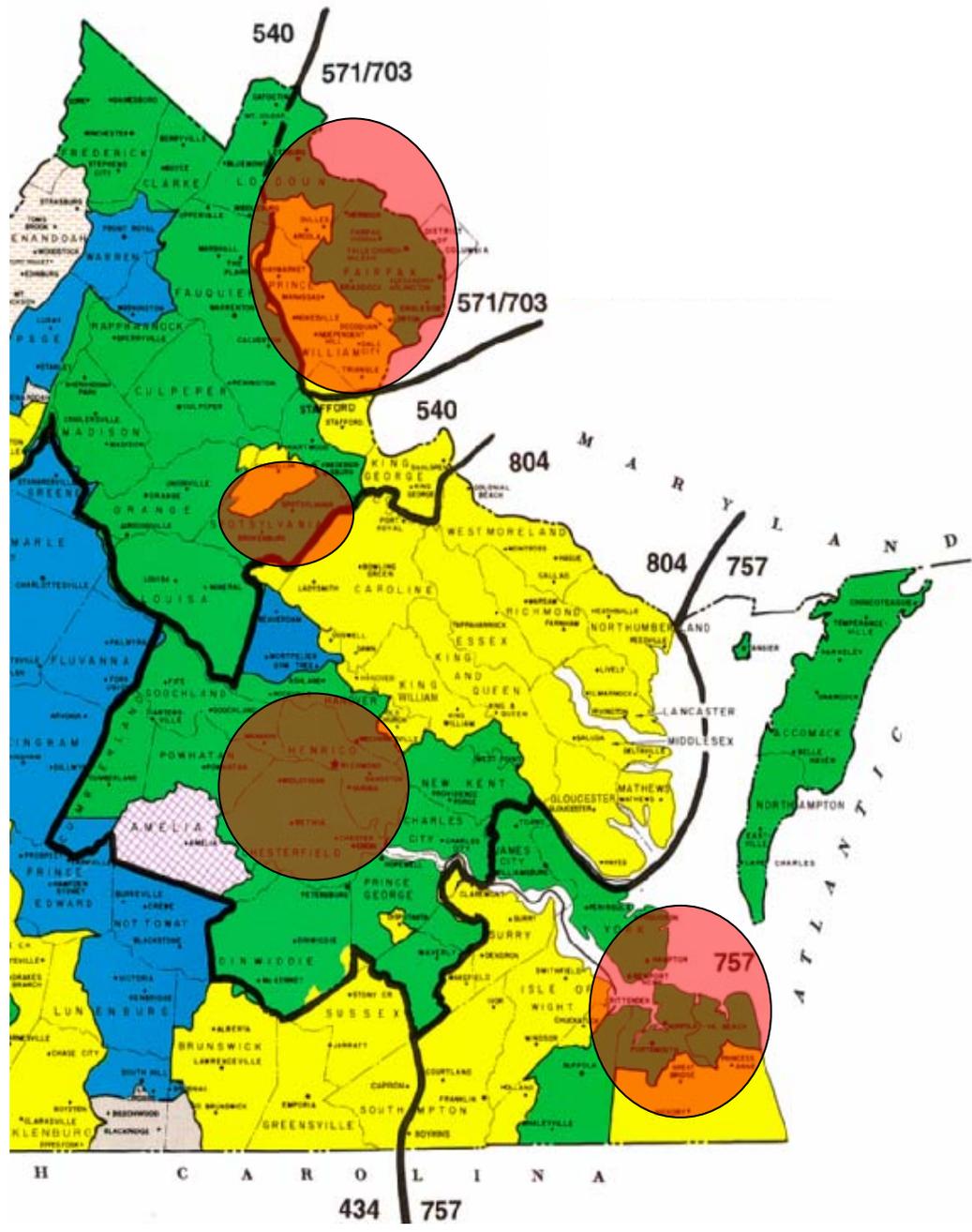
[Month-to-Month options also available here](#)

Actual throughput speeds will vary. Learn more about [service speeds](#) and our [pricing plans](#).

\* Installation fee covers installation for your primary computer.

### All Verizon FiOS Internet Service packages include:

- Choice of FREE [Verizon Yahoo!](#) or [MSN@Premium](#)
- 30-day money-back-guarantee
- Tons of cool [features & entertainment](#)
- 9 e-mail accounts
- Wireless router included for new FiOS installations
- 24/7 live technical support



# Initial FiOS Deployment Areas

434 757

# So what's next?

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- Some continued DSL Deployment
  - Capital Constraints
  - Fewer "No-Brainer" Opportunities
- Verizon Wireless Broadband Access (EV-DO) Expansion
- Verizon FiOS Expansion
- "Mini" DSLAMs
- DSL Extension to 21kft?
  - Service & Regulatory Considerations
- Qualification Database Clean-Up...Qualify more Customers
- Awareness Campaigns
- Alternative Solutions...WiMAX / WiFi
  - Grundy, VA
- Partnerships with & Encouragement of Others (e.g., Mid-Atlantic Broadband)