

AGENDA

Bedford Broadband Advisory Committee

April 9, 2020 - 10:00am

Meeting will be held virtually via WebEx.

There are two ways to participate in the meeting:

- Click on this link: <https://bedfordcounty-deb.my.webex.com/bedfordcounty-deb.my/j.php?MTID=mac4c32f15fd926d66f7810947c3872a5>. You may need to enter Password: Broadband and/or Meeting Number: 799 834 914
- Call in at this number: (408) 418-3988. You will need to enter Meeting Number: 799 834 914

1. Old Business

2. Project Status Report from BRT- Through April 6 (Tracker Updated on First and Third Fridays of Each Month - (Milestone and Budget Trackers Attached)

- Big Island
- Big Island Elementary
- Montvale
- Hardy Collection
- Shady Grove
- McGhee Road
- Boonsboro
- Moneta
- Huddleston
- New London
- Wheat Valley
- Landfill

3. Fiber Update

4. Brisnet Service Delivery Plan/Customer Roll-Out Update

5. Good of the Order

6. Adjourn

Next Meeting: May 14, 2020 at 10:00am. Virtual meeting participation information will be posted.

Bedford County Broadband - Blue Ridge Tower Milestone Tracker - 4/6/2020

Site Name	Site Address	Tower Type	Landlord	Real Estate	Site Plan	Building Permit	Tower Construction Start	Power Order Status	Fiber/Pole Attachment or MW	Tower Stacking/ Construction Wrap-Up	
Big Island	1177 Sunset Hill Rd. Big Island	195' Monopole	Georgia Pacific	X	X	X	9/21/2019	Ordered on 9/5/19	Pole attachment completed 10/21/19.	Completed on 3/12/20 Previous anticipated stack dates were 3/5/20, 3/3/20, 2/28/20, 2/25/20, 2/21/20 (crane stabilization issues), and 2/12/20. Fencing site clean up completed 2/20/20.	
Big Island Elementary	1114 Schooldays Rd. Big Island	195' Monopole	Bedford County School System	X	X	X	9/12/2019	Anticipated power delivery date 4/15/20. Previously anticipated for 3/17/20 and 2/27/20. Ordered on 9/5/19.	Fiber run completed. Final tie into Mid Atlantic Broadband Fiber scheduled	12/18/2019	
Montvale	11575 Lynchburg Turnpike Rd. Montvale	195' Self Support	Bedford County	X	X	X	N/A	Ordered on 9/5/2019.	Pole attachment signed on 11/1/19.	Anticipated date for antenna collocation and turn up is 5/25/20. Previous anticipated date was 4/1/20.	
Hardy Collection	1220 Bandy Mill Rd. Hardy	195' Monopole	Bedford County Public Works	X	X	X	1/10/2020	Anticipated completion 4/17/20-4/18/20. Previously anticipated for 3/17/20 and 2/15/20. Ordered on 11/10/19.	MW install anticipated 5/1/20. Previously anticipated for 3/25/20 and 3/15/20.	Construction complete 4/1/20. Previous anticipated stack dates were 3/27/20, 3/1/20, 2/28/20, 2/27/20, and 2/15/20 (weather issues).	
Shady Grove	101 Shady Grove Drive Thaxton	195' Monopole	Shady Grove Volunteer EMS	X	X	X	12/27/2019	Anticipated power delivery 4/17- 4/18/20. Previously anticipated for 4/1/20. Ordered on 11/10/19.	MW install anticipated 5/4/20. Previously anticipated for 3/15/20.	Construction complete 4/1/20. Previous anticipated stack dates were 2/20/20, 2/15/20, 2/14/20, and 2/10/20 (weather issues).	
McGhee Rd.	1029 McGhee Rd. Bedford	195' Monopole	Bedford Regional Water Authority	X	X	X	Site work anticipated to begin 4/6/20. Previously anticipated to begin 3/30/20 (wet weather), 3/3/20, 2/24/20, and 2/20/20.	Anticipated completion is 4/20/20. Previously anticipated for 4/10/20 and 2/15/20. Ordered on 11/10/19.	MW install anticipated 5/22/20. Previously anticipated for 4/20/20 and 3/15/20.	Stack anticipated for 4/27/20. Previous anticipated stack dates were 4/20/20 and 4/15/20.	
Boonsboro VFD	1065 Lee Jackson Highway Bedford	195' Monopole	Boonsboro Volunteer Fire and Rescue	X	X	X	Foundation complete 3/23/20. Previous anticipated dates to begin foundation construction were 3/5/20 and 2/14/20.	Anticipated completion for live power is 4/21/20. Previously anticipated for 3/17/20 and 3/1/20. Ordered on 12/10/19.	MW install anticipated 4/27/20. Previously anticipated for 3/15/20.	Stack anticipated for 4/17/20. Moved up from 4/20/20.	
Moneta	3303 Horeshoe Bend Rd. Moneta	195' Monopole	Private Land Owner	Lease signed by landowner, awaiting site plan and building permit application from BRT prior to BCBA signature.	SRP approved by Planning Commission 2/18/20. BRT to submit site plan and building permit documents to County Community Development 4/9/20. Materials not yet submitted. Previous anticipated submittal dates were 3/3/20 and 2/27/20.		Construction anticipated to begin 4/20/20. Previous anticipated start date 4/1/20.	Anticipated 5/15/20. Previously anticipated for 4/1/20. Ordered on 11/10/19.	Fiber run anticipated 5/10/20 and turn up 5/20/20. Previously anticipated for 5/1/20.	Stack anticipated for 5/13/20. Moved up from 6/30/20.	
Huddleston	2967 Fairview Church Rd. Huddleston	195' Monopole	Bedford County Public Works	X	X	X	11/15/2019	Ordered on 11/1/19. Completed on 12/13/19.	Fiber install and aerial run anticipated 5/11/20. Previously anticipated for 4/1/20 and 3/15/20.	Complete 3/12/20	
New London	1375 West London Park Drive Forest	140' Water Tank	Bedford Regional Water Authority	Lease signing underway	X	X	N/A	Ordered on 11/10/19. Completed on 12/15/19.	MW install anticipated 6/1/20. Previously anticipated for 4/1/20.	Construction completion anticipated for 5/25/20. Previously anticipated for 5/10/20.	
Wheat Valley	6178 Wheat Valley Rd. Bedford	195' Monopole	Bedford Regional Water Authority	X	X	County awaiting final copy of plan before issuing building permit.	Construction anticipated to begin 4/21/20. Previously anticipated to begin 3/1/20.	Anticipated completion 5/10/20. Previously anticipated for 3/1/20. Ordered on 11/10/19.	MW install anticipated for 6/15/20. Previously anticipated for 4/15/20.	Construction completion anticipated for 6/12/20. Previously anticipated for 5/15/20.	
Landfill/ Recycle Center	1060 Recycle Road, Bedford	195' Monopole	Bedford County Public Works	Complete	X	X	2/3/2020	Anticipated completion 5/15/20. Previously anticipated for 3/15/20, 3/3/20. Ordered on 11/10/19.	MW install anticipated for 5/20/20. Previously anticipated 4/20/20.	Anticipated date for completion 6/1/20. Previously anticipated for 5/15/20.	
Complete				Underway				Delayed Schedule/On Hold			

Invoice Information	Date	2/25/2019	4/16/2019	4/16/2019	6/4/2019	9/30/2019	10/22/2019	11/20/2019	12/16/2019	2/10/2020	3/23/2020
	Paid	3/5/2019	4/22/2019	4/22/2019	7/12/2019	10/2/2019	11/12/2019	12/10/2019	1/14/2020	2/25/2020	3/31/2020
	Check	#8253976	#8255482	#8255482	#8258524	#8260092	#8261172	#8262116	#8263574	#8265139	
	Check Amount	107,875	149,000	360,000	76,000	215,650	106,230	20,118	378,290	190,323	170,050
	Total Amount	111,800	149,000	360,000	76,000	231,000	106,230	20,118	401,148	200,340	179,000
	Retainage Garnishment	3,925	-	-		15,350	-	N/A	20,057	10,017	8,950
Big Island	Tower/Site Development	16,857	13,000	36,000		14,000	2,000	7,713			
	Tower Construction						15,000		39,000		20,000
	Microwave Backhaul								100,000		
	Fiber Installation										
Big Island Elementary	Tower/Site Development	9,357	12,500	36,000	10,000	14,000	9,500	12,405			
	Tower Construction						54,000		70,000		
	Microwave Backhaul								23,730		
	Fiber Installation						10,170				
Wheat Valley	Tower/Site Development	9,160	12,500	36,000	8,000	14,000					
	Tower Construction								11,500		
	Microwave Backhaul										
	Fiber Installation										
Landfill	Tower/Site Development	9,160	12,500	36,000		14,000			39,000		2,000
	Tower Construction										15,000
	Microwave Backhaul								11,500		
	Fiber Installation										
Montvale	Tower/Site Development	5,857				7,000	2,000				
	Tower Construction										
	Microwave Backhaul										
	Fiber Installation						13,560				
McGhee	Tower/Site Development	9,160	20,500	36,000	8,000	24,000				12,000	
	Tower Construction										
	Microwave Backhaul								11,500		
	Fiber Installation										
Boonsboro	Tower/Site Development	9,357	20,500	36,000	10,000	24,000				2,000	
	Tower Construction									15,000	
	Microwave Backhaul										
	Fiber Installation								28,476		
Moneta	Tower/Site Development	9,357	12,500	36,000	8,000	24,000					
	Tower Construction										
	Microwave Backhaul										
	Fiber Installation										
New London	Tower/Site Development	5,857	7,500		8,000	24,000					2,000
	Tower Construction										
	Microwave Backhaul									20,340	
	Fiber Installation										
Hardy	Tower/Site Development	9,160	12,500		8,000	24,000				2,000	
	Tower Construction									54,000	
	Microwave Backhaul			36,000							
	Fiber Installation								11,500		
Shady Grove	Tower/Site Development	9,160	12,500		8,000	24,000				2,000	
	Tower Construction									54,000	70,000
	Microwave Backhaul			36,000							
	Fiber Installation								11,500		
Huddleston	Tower/Site Development	9,357	12,500		8,000	24,000			2,000		
	Tower Construction								15,000	39,000	70,000
	Microwave Backhaul			36,000							
	Fiber Installation								26,442		

Bedford Broadband Advisory Committee – Meeting Minutes

March 12, 2020 - 10:00am

County Administration
Building, 122 E. Main Street

1. Old Business

a. River Street Networks

County Administrator, Robert Hiss, has had conversations with the project manager for River Street Networks (working to deploy fiber through a portion of Bedford County). The project will need to be completed within a 6-year period. The project is granted-funded by the federal government.

There are challenges with easements to lay down the fiber in the Huddleston area. They will need to retool their project to obtain easements from property owners along public and private roads.

They had wanted Bedford to be one of the first deployments but will not be due to the issues with laying the fiber.

Anthony Smith offered assistance with helping River Street obtain the easements if needed.

2. Project Status Report from BRT- Through March 6 (Tracker Updated on First and Third Fridays of Each Month - (Milestone and Budget Trackers Attached)

Big Island

- Will need to add a retaining wall along the roadway to the site due to the crane that was needed at the site (staging area for storage and increasing road width to site). Dirt from the site could not be used to grade back to what it was before, retaining wall is the cheaper alternative .
- Power to the site is also needed

Big Island Elementary

- Tower is finished with exception of connecting to Mid Atlantic Broadband.

Montvale

- Only thing left to do is to tie into Mid Atlantic broadband fiber (will have agreement signed on 3/13/2020 11am)
- Other than installing BRISNet equipment on the tower, everything is complete
- Clay Stewart (SCS) and BRT have been talking and there will be no frequency interference. MOU is close to being signed

Hardy Collection

- Foundation in and grounding complete.
- Fencing scheduled for 3/20/2020 and tower install is 3/27/2020

Shady Grove

- Fencing onsite and will need to go up. 90% of construction is completed and power is ordered and meter is set at the site

McGhee Road

- 3/30/20 start date, probably a 2.5 week build due to the site being easier to develop.

Boonsboro

- Difficult site to build; want to limit the disturbance.
- Want to start with fiber first and VDOT approval is needed to work in the right-of-way.
- Tower construction planned for 4/14/20 (Spring Break for BCPS).

Moneta

- Geotech report will come back by the end of the month.
- Once Geotech report arrives, package to Jordan Mitchell for planning and zoning approval.
- No known issues remain for this site; approval from Planning and Building should occur in a timely manner.

Huddleston

- Construction complete
- Power and fiber install left

New London

- Lease document is in place.
- Meeting occurred between all parties and Warren took agreement to Attorney. BRT is good with updated agreement and are ready to sign.

Wheat Valley

- Retaining wall is needed due to the BRWA requests at the site. Cost of retaining wall is cheaper than cost of additional grading at the site
- Planning/zoning approval of tower site will happen by the close of the business week.

Landfill

- 3 weeks of rain delayed the foundation installation. 4/8/2020 is scheduled to be date that the foundation work will begin.
- Power is scheduled for 5/15/2020.

3. Fiber Update

a. Fiber locations, length, and depth

b. Update on status of easements

c. Update on status of documentation for VDOT

- Ready to start construction on major fiber runs for tower sites.
- Initial application was sent to VDOT several months ago.

- Electronics that will be put in place will be BRISCnet responsibility (1G circuit at each site), system is designed to comply with VATI grant and that the 1G circuit should be able to handle now and into the future.
- No known issues with fiber, crews are ready and working with VDOT. Only known issue that may arise is prescriptive easement issues in the Boonsboro area that would be with the Schools and Boonsboro fire as property owners that would need to grant easements.

4. Briscnet Service Delivery Plan for Customer Roll-Out

- Towers will be able to handle 260 customers, speeds are hard to guess because of which service plans are requested from the consumer. 3 mile radius from tower is needed in order to be in service area (if flat maybe a 5 mile radius), if property is in a nook/hole within 3 mile radius, someone would be sent out to see if the signal is strong enough to offer service.
- Phase 2 of the project will be a micro pop sites to fill in gaps of service.
- Supervisor Tuck requested that BRT respond to customers inquiring about service. Citizens are frustrated that they are not hearing back when inquiring about service.

Brisnet Roll-Out Plan:

- Rollout is designed and ready to go, BRT is ready.
- 2 year contract will be required to sign-up
- In house, 60 installs per week is expect (will have 3 people dedicated to install). In early signup period, additional people will be hired to get service to customers ASAP.
- Deposits will be taken from customers soon and the amount of people that will be needed help with install (outside hires to aid) will be known.

5. Good of the Order

Per BRT, the goal is to have system up and running in 1st week of June but weather could play into that goal date.

6. Adjourn

Meeting minutes submitted by Jordan Mitchell, Interim Director – Bedford County Community Development

Next Meeting: April 9, 2020 at 10:00am at the Bedford County Administration Building (122 E. Main Street, Bedford)

Bedford County Broadband - Milestone Tracker - 3/6/2020

Site Name	Site Address	Tower Type	Landlord	Real Estate	Site Plan	Building Permit	Tower Construction Start	Power Order Status	Fiber/Pole Attachment or MW	Tower Stacking/ Construction Wrap-Up
Big Island	1177 Sunset Hill Rd. Big Island	195' Monopole	Georgia Pacific	X	X	X	9/21/2019	Ordered on 9/5/19	Pole attachment completed 10/21/19.	Stack anticipated for 3/5/20 - UNKNOWN STATUS. Previous anticipated stack dates were 3/3/20, 2/28/20, 2/25/20, 2/21/20 (crane stabilization issues), and 2/12/20. Fencing site clean up completed 2/20/20.
Big Island Elementary	1114 Schooldays Rd. Big Island	195' Monopole	Bedford County School System	X	X	X	9/12/2019	Ordered on 9/5/19. Anticipated turn on date 3/17/20. Previously anticipated for 2/27/20.	Fiber run completed. Waiting to connect by 4/2/20.	12/18/2019
Montvale	11575 Lynchburg Turnpike Rd. Montvale	195' Self Support	Bedford County	X	X	X	N/A	Ordered on 9/5/2019. AEP processed on 10/28/19.	Pole attachment signed on 11/1/19.	Anticipated date for antenna collocation and turn up is 4/1/20.
Hardy Collection	1220 Bandy Mill Rd. Hardy	195' Monopole	Bedford County Public Works	X	X	X	1/10/2020	Ordered on 11/10/19. Anticipated completion 3/17/20. Previously anticipated for 2/15/20.	MW install anticipated 3/25/20. Previously anticipated for 3/15/20.	Stack anticipated for 2/28/20 - UNKNOWN STATUS. Previous anticipated stack dates were 2/27/20, 2/15/20 (weather issues), and 3/1/20.
Shady Grove	101 Shady Grove Drive Thaxton	195' Monopole	Shady Grove Volunteer EMS	X	X	X	12/27/2019	Ordered on 11/10/19. Anticipated install for live meter is 4/1/20.	MW install anticipated 3/15/20.	Stack was completed on 2/20/20. Previous anticipated stack dates were 2/15/20, 2/14/20, and 2/10/20 (weather issues).
McGhee Rd.	1029 McGhee Rd. Bedford	195' Monopole	Bedford Regional Water Authority	X	X	X	Site work anticipated to begin 3/3/20 - UNKNOWN STATUS. Previously anticipated to begin 2/24/20 and 2/20/20.	Anticipated completion is 4/10/20. Previously anticipated for 2/15/20. Ordered on 11/10/19.	MW install anticipated 4/20/20. Previously anticipated for 3/15/20.	Stack anticipated for 4/20/20. Previous anticipated stack date was 4/15/20.
Boonsboro VFD	1065 Lee Jackson Highway Bedford	195' Monopole	Boonsboro Volunteer Fire and Rescue	X	X	X	Construction on foundation anticipated to take place 3/3/20 - 3/5/20 - UNKNOWN STATUS. Previously anticipated to begin 2/14/20.	Ordered on 12/10/19. Anticipated completion for live power is 3/17/20 - UNKNOWN STATUS. Previously anticipated for 3/1/20.	MW install anticipated 3/15/20.	Stack anticipated for 4/20/20.
Moneta	3303 Horeshoe Bend Rd. Moneta	195' Monopole	Private Land Owner	Lease signed by landowner; awaiting site plan and building permit application from BRT prior to BCBA signature.	SRP approved by Planning Commission 2/18/20. BRT to submit site plan and building documents to County Community Development - UNKNOWN STATUS. Materials not yet submitted; previous anticipated submittal dates were 3/3/20 and 2/27/20.		Construction anticipated to begin 4/1/20.	Ordered on 11/10/19 order. Held to 4/1/20.	Fiber run anticipated 5/1/20.	Stack anticipated for 6/30/20.
Huddleston	2967 Fairview Church Rd. Huddleston	195' Monopole	Bedford County Public Works	X	X	X	11/15/2019	Ordered on 11/1/19. Completed on 12/13/19.	Fiber install and aerial run anticipated 4/1/20. Previously anticipated for 3/15/20.	Construction completion anticipated for 3/7/20. - UNKNOWN STATUS. Moved up from 3/17/20.
New London	1375 West London Park Drive Forest	140' Water Tank	Bedford Regional Water Authority	Pending lease signing - BRT to submit specifications to BRWA for review - UNKNOWN STATUS	X	X	N/A	Ordered on 11/10/19. Completed on 12/15/19.	MW install anticipated 4/1/20.	Construction completion anticipated for 5/10/20.
Wheat Valley	6178 Wheat Valley Rd. Bedford	195' Monopole	Bedford Regional Water Authority	X	Administrative Variance needed for tower. Letters went out to adjacent properties 3/2/20.		Construction anticipated to begin on 35-day delay. Previously anticipated to begin 3/1/20.	Ordered on 11/10/19. Anticipated completion on a 35-day delay. Previously anticipated for 3/1/20.	MW install on a 35-day delay. Previously anticipated for 4/15/20.	Construction completion on a 35-day delay. Previously anticipated for 5/15/20.
Landfill/ Recycle Center	1060 Recycle Road, Bedford	195' Monopole	Bedford County Public Works	Complete	X	X	2/3/2020	Ordered on 11/10/19. Anticipated completion 3/3/20 - UNKNOWN STATUS. Moved up: previously anticipated for 3/15/20.	MW install on a 30-day delay. Previously anticipated 4/20/20.	Construction completion on a 30-day delay. Previously anticipated for 5/15/20.

Complete				Underway				On Hold			
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Expenditure Tracker

2020.03.10

Invoice Information	Date	2/25/2019	4/16/2019	4/16/2019	6/4/2019	9/30/2019	10/22/2019	11/20/2019	12/16/2019	2/10/2020	Certified Invoice Not Yet Received
	Paid	3/5/2019	4/22/2019	4/22/2019	7/12/2019	10/2/2019	11/12/2019	12/10/2019	1/14/2020	2/25/2020	
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	Fiber Installation								26,442		