



DEPARTMENT OF TECHNOLOGY SERVICES

Marc Elrich
County Executive

Gail Roper
Chief Information Officer

July 7, 2021

MINUTES OF TFCG MEETING

To: Distribution

From: TFCG Staff (CTC Technology & Energy)

A meeting of the Transmission Facility Coordinating Group (TFCG) was held on July 7, 2021. The following people were in attendance:

MEMBERS

Marjorie Williams	(via video)	TFCG Chair
Patricia Wolford	(via video)	DPS
Boyd Lawrence	(via video)	MCPS
Thomas Williamson	(via video)	DGS
Daryl Braithwaite	(via video)	Takoma Park
Martin Rookard	(via video)	WSSC
Michelle Grace	(via video)	M-NCPPC
Felicia Hyatt	(via video)	OMB
Benjamin Berbert	(via video)	M-NCPPC

STAFF

Shawn Thompson	(via video)	CTC
Julie Elias	(via video)	CTC
Heather Elliot	(via video)	DTS
Zeena Oduro	(via video)	DTS

OTHER ATTENDEES

Javad Shayan	(via video)	DPS
Debbie Spielberg	(via video)	Office of the County Executive
Mark Beall	(via video)	DPS
Julie Knight	(via video)	OMB

Action Item: Meeting Minutes June 2nd:

Motion: Michelle Grace moved that the June minutes be approved as written. Patricia Wolford seconded the motion, and the motion was otherwise unanimously approved.

Action Item: Consent Agenda
Consent Agenda

1. **Application Number:** 2021031405 **Type:** Minor Modification **Received (date):** 3/23/2021
Revised: 3/26/2021
Revised: 4/29/2021
Revised: 5/21/2021
Revised: 6/11/2021

Applicant: Network Building and Consulting on behalf of Verizon Wireless
Site Name/Location: Aspen Hill - Small cell 1/ 13601 Connecticut Ave, Silver Spring
Zoning Standard: NR-0.75 **Property Owner:** Aspen Hill Ventures, LLC
Description: Project consists of removing (1) existing canister antenna from the existing 41' light pole and installing (1) new proposed antenna in its place, at a RAD center elevation of 40' above grade level for the reception of Verizon Wireless telecommunications. (1) existing remote radio head located in cabinet will be removed and replaced with (2) new proposed radio heads inside existing cabinet.
Tower Coordinator Recommendation: Recommended. Recommendation is subject to compliance with all applicable laws.
<https://montgomerycountytfcg.s3.amazonaws.com/Applications/MC2021031405+Application.pdf>

2. **Application Number:** 2021031406 **Type:** Minor Modification **Received (date):** 3/24/2021
Revised: 4/9/2021
Revised: 5/13/2021
Revised: 5/26/2021
Revised: 6/11/2021

Applicant: Advantage Engineers on behalf of Sprint/Nextel
Site Name/Location: Century 21 Building/ 20010 Century Blvd, Germantown
Zoning Standard: CR-2.0 **Property Owner:** Rickman Century LLC
Description: Remove (12) & add (9) antennas (3 AIR 32, 3 AIR 6449, & 3 APXVAALL24 antennas), add (6) RRUs (3 4449 B71+B85 & 3 4415 B25 RRU), add equipment cabinet (6230 Battery & Power Rack), and other associated equipment
Tower Coordinator Recommendation: Recommended. Recommendation subject to compliance with all applicable laws.
<https://montgomerycountytfcg.s3.amazonaws.com/Applications/MC2021031406+Application.pdf>

3. **Application Number:** 2021031408 **Type:** Minor Modification **Received (date):** 3/31/2021
Revised: 5/5/2021
Revised: 6/8/2021
Revised: 6/17/2021

Applicant: Centerline Communications on behalf of T-Mobile
Site Name/Location: Democracy Center/ 6903 Rockledge, Bethesda
Zoning Standard: CR-1.5 **Property Owner:** Democracy Associates

Description: Remove (4) existing antennas and install (8) new antennas. Remove (8) existing RRU and install (8) RRU. Install (2) new cabinets, cabinet and battery. Install (4) new 6x12 hybrid cables. Remove all unused cables and equipment.

Tower Coordinator Recommendation: Recommended. Recommendation is subject to compliance with all applicable laws.

<https://montgomerycountytfcg.s3.amazonaws.com/Applications/MC2021031408+Application.pdf>

4. **Application Number:** 2021041414 **Type:** Minor Modification **Received (date):** 4/5/2021
Revised: 5/10/2021
Revised: 6/2/2021
Revised: 6/10/2021

Applicant: NB+C on behalf of Sprint/Nextel

Site Name/Location: Ramada Silver Spring/ 7990 Georgia Ave, Silver Spring

Zoning Standard: CR-3.0 **Property Owner:** ELSS LLC

Description: Sprint proposes removing (6) antennas, (12) RRHs, (1) cabinet, and installing (9) antennas, (6) RRHs, and (2) cabinets at the existing telecommunications facility.

Tower Coordinator Recommendation: Recommended. Recommendation is subject to compliance with all applicable laws.

<https://montgomerycountytfcg.s3.amazonaws.com/Applications/MC2021041414+Application.pdf>

5. **Application Number:** 2021041415 **Type:** Minor Modification **Received (date):** 4/6/2021
Revised: 6/18/2021
Revised: 6/23/2021

Applicant: Centerline Communications on behalf of T-Mobile

Site Name/Location: St. Patrick's Church/ 4101 Norbeck Rd, Rockville

Zoning Standard: RE-1 **Property Owner:** St. Patrick's Church

Description: T-Mobile is removing Sprint/Clearwire's (3) existing antennas and (3) existing RRHs, and removing T-Mobile's (3) existing RRHs. They are adding T-Mobile's (3) new antennas and (3) new RRHs on the existing building structure.

Tower Coordinator Recommendation: Recommended. Recommendation is subject to compliance with all applicable laws.

<https://montgomerycountytfcg.s3.amazonaws.com/Applications/MC2021041415+Application.pdf>

6. **Application Number:** 2021041416 **Type:** Minor Modification **Received (date):** 4/6/2021
Revised: 5/10/2021
Revised: 6/4/2021
Revised: 6/11/2021

Applicant: Smartlink LLC on behalf of AT&T Wireless

Full Corporate Name of the Facility Owner: New Cingular Wireless PCS, LLC

Site Name/Location: Bethesda VFD 26/ 6700 Democracy Blvd, Bethesda

Zoning Standard: R-90 **Property Owner:** Bethesda Vol. Fire Dept.

Description: AT&T proposes to REMOVE (3) antennas and (6) RRHs, RELOCATE (3) existing antennas and (9) existing RRHs and INSTALL (3) new antennas and (6) new RRHs.

Tower Coordinator Recommendation: Recommended. Recommendation subject to compliance with all applicable laws.

<https://montgomerycountytfcg.s3.amazonaws.com/Applications/MC2021041416+Application.pdf>

7. **Application Number:** 2021041417 **Type:** Minor Modification **Received (date):** 4/9/2021

Revised: 5/26/2021

Revised: 6/29/2021

Applicant: Network Building + Consulting on behalf of T-Mobile

Site Name/Location: Pepco 637-S/ 12900 Piney Meetinghouse Rd, Potomac

Zoning Standard: RE-2 **Property Owner:** PEPCO

Description: Project involves removing six (6) existing panel antennas, two (2) from each sector and installing nine (9) proposed panel antennas ((3) AIR32 B66A B2, (3) AIR 6449 B41, (3) APXVALL24_43-UNA20)) - three (3) at each sector. This project also involves removing nine (9) existing tower mounted amplifiers (TMA), three (3) from each sector and installing six (6) remote radio heads (RRH) ((3) 4449 b71+b85, (3) 4415 b25)) - two (2) at each sector. Remove six (6) unused coax and install six (6) proposed hybrid cables to following existing coax routing. Removing one (1) existing RBS 2106 equipment cabinet and installing one (1) enclosure 6160 equipment cabinet and one (1) B160 equipment cabinet on wooden platform. (3) existing RRHs (ground mounted) to be removed.

Tower Coordinator Recommendation: Recommended. Recommendation is subject to compliance with all applicable laws.

<https://montgomerycountytfcg.s3.amazonaws.com/Applications/MC2021041417+Application.pdf>

8. **Application Number:** 2021051453 **Type:** Minor Modification **Received (date):** 5/10/2021

Revised: 5/26/2021

Applicant: NB+C on behalf of T-Mobile

Site Name/Location: Fire Station 31/ 12100 Darnestown Rd, Gaithersburg

Zoning Standard: R-200 **Property Owner:** Montgomery County

Description: T-Mobile proposes to remove and replace (3) antennas, install (3) radios, install (2) cabinets, and (1) ice bridge extension at the existing telecommunications facility.

Tower Coordinator Recommendation: Recommended. Recommendation is subject to compliance with all applicable laws.

<https://montgomerycountytfcg.s3.amazonaws.com/Applications/MC2021051453+Application.pdf>

9. **Application Number:** 2021051456 **Type:** Minor Modification **Received (date):** 5/19/2021

Revised: 5/28/2021

Revised: 6/28/2021

Applicant: NB+C on behalf of T-Mobile

Site Name/Location: Pepco 23-N/ 19997 Beallsville Rd (Rt 109), Beallsville

Zoning Standard: R-200 **Property Owner:** Pepco

Description: T-Mobile proposes to remove and replace (3) sector frames, relocate (3) antennas, remove and replace (3) antennas, remove (6) TMAs and install (3) TMAs, and install (3) RRUs at the existing telecommunications facility.

Tower Coordinator Recommendation: Recommended. Recommendation is subject to compliance with all applicable laws.

<https://montgomerycountytfcg.s3.amazonaws.com/Applications/MC2021051456+Application.pdf>

10. **Application Number:** 2021051457 **Type:** Minor Modification **Received (date):** 6/1/2021
Revised: 6/18/2021

Applicant: NB+C on behalf of T-Mobile

Site Name/Location: Pepco 163-N/ 1301 Ashton Rd, Ashton

Zoning Standard: RC **Property Owner:** Pepco

Description: T-Mobile proposes to remove and replace (3) antennas, remove and replace (3) TMAs, remove (3) ground mounted RRUs, and install (3) RRHs at the existing telecommunications facility.

Tower Coordinator Recommendation: Recommended. Recommendation is subject to compliance with all applicable laws.

<https://montgomerycountytfcg.s3.amazonaws.com/Applications/MC2021051457+Application.pdf>

11. **Application Number:** 2021051459 **Type:** Minor Modification **Received (date):** 5/11/2021
Revised: 6/2/2021

Applicant: SBA on behalf of T-Mobile

Site Name/Location: Carver Tower/ 2647 University Blvd West, Silver Spring

Zoning Standard: CR-5.0 **Property Owner:** Bajwa Property Management LLC

Description: Install 25 kW emergency generator with automatic transfer switch in existing equipment compound.

Tower Coordinator Recommendation: Recommended. Recommendation is subject to compliance with all applicable laws.

<https://montgomerycountytfcg.s3.amazonaws.com/Applications/MC2021051459+Application.pdf>

12. **Application Number:** 2021051462 **Type:** Minor Modification **Received (date):** 5/13/2021
Revised: 6/28/2021
Revised: 6/29/2021

Applicant: Advantage Engineers on behalf of T-Mobile

Site Name/Location: Pepco 611-N/ 13139-T Colton Lane, Gaithersburg

Zoning Standard: RE-1 **Property Owner:** Pepco

Description: Remove (3) & add (3) antennas, remove (1) equipment cabinet, remove (3) and add (3) RRHs, and other associated equipment.

Tower Coordinator Recommendation: Recommended. Recommendation is subject to compliance with all applicable laws.

<https://montgomerycountytfcg.s3.amazonaws.com/Applications/MC2021051462+Application.pdf>

13. **Application Number:** 2021051463 **Type:** Minor Modification **Received (date):** 5/17/2021

Revised: 6/24/2021

Revised: 6/29/2021

Applicant: NB+C on behalf of T-Mobile

Site Name/Location: Seneca Ayr Farm/ 13100 Old Baltimore Road West, Boyds

Zoning Standard: IL-1.0 **Property Owner:** Linthicum Properties Management LLC

Description: Removing 6 antennas, installing 9 antennas. Removing 6 RRUs, installing 6 RRHs. Replacing mount. Installing 2 cabinets.

Tower Coordinator Recommendation: Recommended. Recommendation is subject to compliance with all applicable laws.

<https://montgomerycountytfcg.s3.amazonaws.com/Applications/MC2021051463+Application.pdf>

14. **Application Number:** 2021061469 **Type:** Minor Modification **Received (date):** 6/11/2021

Revised: 6/22/2021

Applicant: Site Link Wireless on behalf of T-Mobile

Site Name/Location: Grosvenor House Apts/ 10101 Grosvenor Pl, Rockville

Zoning Standard: R-10 **Property Owner:** Grosvenor Park

Description: This is an existing rooftop site with a height of 177' and a penthouse height of 193'-6". T-Mobile proposes to modify their existing installation by removing and replacing (3) antennas and relocating two sectors on the roof to new mounts. The proposed new antennas will be (3) Ericsson AIR 6449 B41 at the 195'-11" RAD. The proposed RADs at each sector are 195'-11", 196'-11" and 198'-6". They will also remove (3) RRU's and install (3) 4424 B25 RRU's. And they will remove (1) and install (2) cabinets.

Tower Coordinator Recommendation: Recommended. Recommendation is subject to compliance with all applicable laws.

<https://montgomerycountytfcg.s3.amazonaws.com/Applications/MC2021061469+Application.pdf>

15. **Application Number:** 2021061473 **Type:** Minor Modification **Received (date):** 6/3/2021

Revised: 6/24/2021

Revised: 6/29/2021

Applicant: NB+C on behalf of T-Mobile

Site Name/Location: Sherwood High School/ 300 Olney-Sandy Spring Road, Sandy Spring

Zoning Standard: RNC **Property Owner:** Board of Education

Description: Removing 6 antennas, Installing 9 antennas. Removing 12 RRUs. Install 6 RRUs. Remove and replace antenna platform. Installing 2 ground cabinets.

Tower Coordinator Recommendation: Recommended on condition the applicant provides written approval from MCPS Staff of the attachments at the time of permitting. Recommendation is subject to compliance with all applicable laws.

<https://montgomerycountytfcg.s3.amazonaws.com/Applications/MC2021061473+Application.pdf>

16. **Application Number:** 2021061477 **Type:** Minor Modification **Received (date):** 6/10/2021

Revised: 6/23/2021

Applicant: NB+C on behalf of T-Mobile
Site Name/Location: Damascus VFD 13 Activity Ctr/ 10211 Lewis Dr, Damascus
Zoning Standard: RE-2C **Property Owner:** Damascus VFD
Description: Removing 3 antennas-Installing 3 antennas. Removing 3 TMAs-Installing 3 RRH. Installing ground cabinet.
Tower Coordinator Recommendation: Recommended. Recommendation is subject to compliance with all applicable laws.
<https://montgomerycountytfcg.s3.amazonaws.com/Applications/MC2021061477+Application.pdf>

17. **Application Number:** 2021061483 **Type:** Minor Modification **Received (date):** 6/18/2021
Revised: 6/24/2021

Applicant: Smartlink Group on behalf of T-Mobile
Site Name/Location: Springbrook High School/ 201 Valley Brook Drive, Silver Spring
Zoning Standard: R-200 **Property Owner:** Board of Education
Description: T-Mobile proposes to install (1) 10'-0" x 4'-0" concrete pad; install (1) 220 gallon diesel generator with subbase fuel tank; install (1) automatic transfer switch; install (1) H-Frame with new camlock at an existing telecommunications facility
Tower Coordinator Recommendation: Recommended on the condition that the lease amendment for the expanded ground space is completed, and the applicant provide written approval from MCPS staff at the time of permitting. Recommendation is subject to compliance with all applicable laws.
<https://montgomerycountytfcg.s3.amazonaws.com/Applications/MC2021061483+Application.pdf>

18. **Application Number:** 2021061482 **Type:** Minor Modification **Received (date):** 6/16/2021
Revised: 6/29/2021
Revised: 6/30/2021

Applicant: Site Link Wireless on behalf of T-Mobile
Site Name/Location: Wayne Manchester Towers/ 75 Wayne Ave East, Silver Spring
Zoning Standard: R-10 **Property Owner:** Wayne Manchester Limited Partnership
Description: This is an existing rooftop site with a height of 78'-10". T-Mobile proposes to modify their existing installation by installing (4) antennas and (4) RRU's. The proposed new antennas will be (4) Ericsson AIR 6449 B41 (33.1"x20.6"x8.6") installed on the penthouse at the 95'-1" RAD. They will install (4) 4415 B25 RRU's. And they will install a new equipment platform with (2) new cabinets and (1) existing relocated cabinet.
Tower Coordinator Recommendation: Recommended. Recommendation is subject to compliance with all applicable laws.
<https://montgomerycountytfcg.s3.amazonaws.com/Applications/MC2021061482+Application.pdf>

Boyd Lawrence noted that for agenda item #17, the BOE were in talks for a lease amendment to expand the ground space as indicated for this site. He requested the recommendation for this application be amended to be on the condition of the completion of the lease amendment.

Motion made by Patricia Wolford to recommend all items on the consent agenda as written except for #17, and to recommend item #17 with the requested conditions. Martin Rookard seconded the motion, and it was unanimously passed.

Regular Agenda

1. ***Application Number:*** 2021021391 ***Type:*** New ***Received (date):*** 2/12/2021
Revised: 4/21/2021
Revised: 6/1/2021
Revised: 6/9/2021

Applicant: SBA Communications Corp on behalf of T-Mobile

Site Name/Location: Tilden MS 2/ 11211 Old Georgetown Rd, Rockville

Zoning Standard: R-90 ***Property Owner:*** Board of Education

Description: SBA will install a 75' monopole within a temporary 40'x40' fenced compound. Two RAD centers (70' and 60') will be utilized to accommodate T-Mobile and Sprint's antennas. Six (6) total antennas will be relocated from the existing pole. Three (3) RR90-17-02VDPL2 antennas and three (3) Andrew TMBXX-6516-R2M will be utilized. Additionally, (3) new RRHs will be added to the temporary structure.

Tower Coordinator Recommendation: Recommendation conditioned on DPS determination that this structure is permitted as a Limited Use and the duration permitted as a temporary structure. Also recommended on the condition the applicant provides written approval from MCPS staff at the time of permitting. Recommendation is subject to compliance with all applicable laws.

<https://montgomerycountytfcg.s3.amazonaws.com/Applications/MC2021021391+Application+and+Report.pdf>

Shawn Thompson summarized the application to build a new temporary monopole on the former Tilden Middle School, and soon to be Charles Woodward High School site. The monopole will last until the school renovations are complete. Boyd Lawrence noted that SBA was in talks with MCPS and T-Mobile to possibly proceed with a permanent monopole site here instead of this temporary one. However, they were still in conversation and intended to proceed with the temporary solution at this time.

Debbie Spielberg asked why there is a distinction between T-Mobile and Sprint antennas now that they have merged. Marjorie Williams noted that Sprint has been acting as a subsidiary of T-Mobile, and T-Mobile has been in the process of integrating all of Sprint under their umbrella. Shawn Thompson noted that an Annual Plan for all carriers was due to the county August 1, and that getting a better articulated sense of their expected process for consolidation might come from that submission.

Michelle Grace made a motion to recommend the application. Patricia Wolford seconded the motion. Boyd Lawrence abstained, and the motion was otherwise unanimously passed.

2. ***Application Number:*** 2021041411 ***Type:*** Colocation ***Received (date):*** 4/14/2021
Revised: 5/11/2021
Revised: 6/10/2021

Revised: 6/16/2021

Applicant: Jacobs Telecommunications on behalf of Dish Wireless
Site Name/Location: Derwood Monopole/ 15948 Derwood Rd, Derwood
Zoning Standard: IM-2.5 H-50 **Property Owner:** CSX Corporation, Inc
Description: Tower: Install (3) Panel Antennas (1 per sector). Install (1) Antenna Mount. Install (6) Remote Radio Units. Install (1) Hybrid Cable. Ground: Install (1) Metal Platform. Install (1) Ice Bridge. Install associated cabinets on proposed Platform.
Tower Coordinator Recommendation: Recommended. Recommendation subject to compliance with all applicable laws.
<https://montgomerycountytfcg.s3.amazonaws.com/Applications/MC2021041411+Application+and+Report.pdf>

Shawn Thompson summarized the application for Dish Wireless to collocate on an existing wireless support structure. Shawn Thompson noted that one of the conditions of the T-Mobile/Sprint merger was to spin off the Dish Wireless business. Dish has started submitting applications for wireless facilities around the country especially in areas with higher density as they are required to cover a certain percent of people in the country. This is one of those applications.

Boyd Lawrence made a motion to recommend the application. Thom Williamson seconded the motion, and it passed unanimously.

Strand Mounted Applications:

3. **Application Number:** 2021041418 **Type:** Colocation **Received (date):** 4/9/2021

Revised: 5/25/2021

Revised: 6/1/2021

Revised: 6/11/2021

Applicant: Crown Castle Fiber LLC on behalf of T-Mobile
Site Name/Location: PEPCO 795422-650530/ 523 Thayer Ave, Silver Spring
Zoning Standard: R-10 **Property Owner:** Montgomery County
Description: Proposed installation of strand node MNG-158m1 on existing PEPCO pole 795422-650530. Strand Node Equipment to be installed:
-Strand Cable
-Ericsson 6523 semi-integrated panel antenna
-Ericsson Diplex Filter B2+B66/B30 (4-2) Diplexer (2)
-Ericsson 4402 Radio (2)
-Bracket Mount
-Splice Box
-Converter unit (Alpha Model #LPR48-IP68)
-Disconnect Switch (Alpha Model EP0/D-2-PR)
Tower Coordinator Recommendation: Recommended. Recommendation is subject to compliance with all applicable laws.
<https://montgomerycountytfcg.s3.amazonaws.com/Applications/MC2021041418+Application+and+Report.pdf>

4. **Application Number:** 2021041422 **Type:** Colocation **Received (date):** 4/12/2021

Revised: 4/28/21

Revised: 5/24/21

Revised: 6/14/21

Applicant: Crown Castle Fiber LLC on behalf of T-Mobile

Site Name/Location: PEPCO 785422-6316/ 8330 Grubb Rd, Silver Spring

Zoning Standard: R-60 ***Property Owner:*** Montgomery County

Description: Proposed installation of strand node MNG-444 on existing PEPCO pole 785422-6316. Strand Node Equipment to be installed:

-Strand Cable

-Ericsson 6523 semi-integrated panel antenna

-Ericsson Diplex Filter B2+B66/B30 (4-2) Diplexer (2)

-Ericsson 4402 Radio (2)

-Bracket Mount

-Splice Box

-Converter unit (Alpha Model #LPR48-IP68)

-Disconnect Switch (Alpha Model EP0/D-2-PR)

Tower Coordinator Recommendation: Recommended. Recommendation is subject to compliance with all applicable laws.

<https://montgomerycountytfcg.s3.amazonaws.com/Applications/MC2021041422+Application+and+Report.pdf>

5. ***Application Number:*** 2021041423 ***Type:*** Colocation ***Received (date):*** 4/12/2021

Revised: 4/28/21

Revised: 5/24/21

Revised: 6/10/21

Applicant: Crown Castle Fiber LLC on behalf of T-Mobile

Site Name/Location: PEPCO 787426-9906/ 1949 Rosemary Hills Dr, Silver Spring

Zoning Standard: R-10 ***Property Owner:*** Montgomery County

Description: Proposed installation of strand node MNG-407 on existing PEPCO pole 787426-9906.

Strand Node Equipment to be installed:

-Strand Cable

-Ericsson 6523 semi-integrated panel antenna

-Ericsson Diplex Filter B2+B66/B30 (4-2) Diplexer (2)

-Ericsson 4402 Radio (2)

-Bracket Mount

-Splice Box

-Converter unit (Alpha Model #LPR48-IP68)

-Disconnect Switch (Alpha Model EP0/D-2-PR)

Tower Coordinator Recommendation: Recommended. Recommendation is subject to compliance with all applicable laws.

<https://montgomerycountytfcg.s3.amazonaws.com/Applications/MC2021041423+Application+and+Report.pdf>

6. ***Application Number:*** 2021041424 ***Type:*** Colocation ***Received (date):*** 4/13/2021

Revised: 4/28/21

Revised: 5/24/21

Revised: 6/11/21

Revised: 6/18/21

Applicant: Crown Castle Fiber LLC on behalf of T-Mobile

Site Name/Location: PEPCO 785426-2424/ 9007 Brookville Rd, Silver Spring

Zoning Standard: IM-2.5 **Property Owner:** Montgomery County

Description: Proposed installation of strand node MNG-412m1 on existing PEPCO pole 785426-2424. Strand Node Equipment to be installed:

-Strand Cable

-Ericsson 6523 semi-integrated panel antenna

-Ericsson Diplex Filter B2+B66/B30 (4-2) Diplexer (2)

-Ericsson 4402 Radio (2)

-Bracket Mount

-Splice Box

-Converter unit (Alpha Model #LPR48-IP68)

-Disconnect Switch (Alpha Model EP0/D-2-PR)

Tower Coordinator Recommendation: Recommended. Recommendation is subject to compliance with all applicable laws.

<https://montgomerycountytfcg.s3.amazonaws.com/Applications/MC2021041424+Application+and+Report.pdf>

7. **Application Number:** 2021041425 **Type:** Colocation **Received (date):** 4/14/2021

Revised: 4/28/21

Revised: 5/24/21

Revised: 6/8/21

Applicant: Crown Castle Fiber LLC on behalf of T-Mobile

Site Name/Location: PEPCO 787425-0476/ 2167 Hanover Street, Silver Spring

Zoning Standard: R-60 **Property Owner:** Montgomery County

Description: Proposed installation of strand node MNG-403m1 on existing PEPCO pole #787425-0476. Strand Node Equipment to be installed:

-Strand Cable

-Ericsson 6523 semi-integrated panel antenna

-Ericsson Diplex Filter B2+B66/B30 (4-2) Diplexer (2)

-Ericsson 4402 Radio (2)

-Bracket Mount

-Splice Box

-Converter unit (Alpha Model #LPR48-IP68)

-Disconnect Switch (Alpha Model EP0/D-2-PR)

Tower Coordinator Recommendation: Recommended. Recommendation is subject to compliance with all applicable laws.

<https://montgomerycountytfcg.s3.amazonaws.com/Applications/MC2021041425+Application+and+Report.pdf>

8. **Application Number:** 2021041426 **Type:** Colocation **Received (date):** 4/14/2021

Revised: 4/28/21

Revised: 5/24/21

Revised: 6/8/21

Applicant: Crown Castle Fiber LLC on behalf of T-Mobile

Site Name/Location: PEPCO 786431-610710/ 2379 Belvedere Blvd, Silver Spring
Zoning Standard: R-60 **Property Owner:** Montgomery County
Description: Proposed installation of strand node MNG-399m1 on existing PEPCO pole 786431-610710. Strand Node Equipment to be installed:

- Strand Cable
- Ericsson 6523 semi-integrated panel antenna
- Ericsson Diplex Filter B2+B66/B30 (4-2) Diplexer (2)
- Ericsson 4402 Radio (2)
- Bracket Mount
- Splice Box
- Converter unit (Alpha Model #LPR48-IP68)
- Disconnect Switch (Alpha Model EP0/D-2-PR)

Tower Coordinator Recommendation: Recommended. Recommendation is subject to compliance with all applicable laws.

<https://montgomerycountytfcg.s3.amazonaws.com/Applications/MC2021041426+Application+and+Report.pdf>

9. **Application Number:** 2021041429 **Type:** Colocation **Received (date):** 4/15/2021
Revised: 5/25/21
Revised: 6/4/21

Applicant: Crown Castle Fiber LLC on behalf of T-Mobile

Site Name/Location: PEPCO 787426-890760/ 9101 2nd Ave, Silver Spring

Zoning Standard: R-60 **Property Owner:** Montgomery County

Description: Proposed installation of strand node MNG-402m1 on existing PEPCO pole 787426-890760. Strand Node Equipment to be installed: -Strand Cable

- Ericsson 6523 semi-integrated panel antenna
- Ericsson Diplex Filter B2+B66/B30 (4-2) Diplexer (2)
- Ericsson 4402 Radio (2)
- Bracket Mount
- Splice Box
- Converter unit (Alpha Model #LPR48-IP68)
- Disconnect Switch (Alpha Model EP0/D-2-PR)

Tower Coordinator Recommendation: Recommended. Recommendation is subject to compliance with all applicable laws.

<https://montgomerycountytfcg.s3.amazonaws.com/Applications/MC2021041429+Application+and+Report.pdf>

10. **Application Number:** 2021041431 **Type:** Colocation **Received (date):** 4/21/2021
Revised: 5/25/21
Revised: 6/4/21
Revised: 6/8/21

Applicant: Crown Castle Fiber LLC on behalf of T-Mobile

Site Name/Location: PEPCO 798423-5898/ 8426 Piney Branch Rd, Silver Spring

Zoning Standard: CRT-2.5 **Property Owner:** Montgomery County

Description: Proposed installation of strand node MNG-531m1 on existing PEPCO pole 798423-5898. Strand Node Equipment to be installed:

- Strand Cable

- Ericsson 6523 semi-integrated panel antenna (1)
- Ericsson Diplex Filter B2+B66/B30 (4-2) Diplexer (2)
- Ericsson 4402 Radio (2)
- Bracket Mount
- Splice Box
- Converter unit (Alpha Model #LPR48-IP68)
- Disconnect Switch (Alpha Model EP0/D-2-PR)

Tower Coordinator Recommendation: Recommended. Recommendation is subject to compliance with all applicable laws.

<https://montgomerycountytfcg.s3.amazonaws.com/Applications/MC2021041431+Application+and+Report.pdf>

11. ***Application Number:*** 2021041432 ***Type:*** Colocation ***Received (date):*** 4/21/2021

Revised: 4/29/21

Revised: 5/24/21

Revised: 6/14/21

Applicant: Crown Castle Fiber LLC on behalf of T-Mobile

Site Name/Location: PEPCO 785422-2158/ 2410 East West Hwy, Silver Spring

Zoning Standard: R-60 ***Property Owner:*** Montgomery County

Description: Proposed installation of strand node MNG-445 on existing PEPCO pole 785422-2158.

Strand Node Equipment to be installed:

- Strand Cable
- Ericsson 6523 semi-integrated panel antenna
- Ericsson Diplex Filter B2+B66/B30 (4-2) Diplexer (2)
- Ericsson 4402 Radio (2)
- Bracket Mount
- Splice Box
- Converter unit (Alpha Model #LPR48-IP68)
- Disconnect Switch (Alpha Model EP0/D-2-PR)

Tower Coordinator Recommendation: Recommended. Recommendation is subject to compliance with all applicable laws.

<https://montgomerycountytfcg.s3.amazonaws.com/Applications/MC2021041432+Application+and+Report.pdf>

12. ***Application Number:*** 2021041434 ***Type:*** Colocation ***Received (date):*** 4/22/2021

Revised: 4/29/21

Revised: 6/8/21

Applicant: Crown Castle Fiber LLC on behalf of T-Mobile

Site Name/Location: PEPCO 805434-060640/ 10477 New Hampshire Ave, Silver Spring

Zoning Standard: R-90 ***Property Owner:*** Montgomery County

Description: Proposed installation of strand node MNG-388m1 on existing PEPCO pole 805434-06040. Strand Node Equipment to be installed:

- Strand Cable
- Ericsson 6523 semi-integrated panel antenna
- Ericsson Diplex Filter B2+B66/B30 (4-2) Diplexer (2)
- Ericsson 4402 Radio (2)

- Bracket Mount
- Splice Box
- Converter unit (Alpha Model #LPR48-IP68)
- Disconnect Switch (Alpha Model EP0/D-2-PR)

Tower Coordinator Recommendation: Recommended. Recommendation is subject to compliance with all applicable laws.

<https://montgomerycountytfcg.s3.amazonaws.com/Applications/MC2021041434+Application+and+Report.pdf>

13. ***Application Number:*** 2021041436 ***Type:*** Colocation ***Received (date):*** 4/22/2021

Revised: 6/14/21

Applicant: Crown Castle Fiber LLC on behalf of T-Mobile

Site Name/Location: PEPCO 787423-7313/ 1879 East West Highway, Silver Spring

Zoning Standard: R-60 ***Property Owner:*** Montgomery County

Description: Proposed installation of strand node MNG-406m1 on existing PEPCO pole 787423-7313. Strand Node Equipment to be installed:

- Strand Cable
- Ericsson 6523 semi-integrated panel antenna
- Ericsson Diplex Filter B2+B66/B30 (4-2) Diplexer (2)
- Ericsson 4402 Radio (2)

-Bracket Mount

-Splice Box

-Converter unit (Alpha Model #LPR48-IP68)

-Disconnect Switch (Alpha Model EP0/D-2-PR)

Tower Coordinator Recommendation: Recommended. Recommendation is subject to compliance with all applicable laws.

<https://montgomerycountytfcg.s3.amazonaws.com/Applications/MC2021041436+Application+and+Report.pdf>

14. ***Application Number:*** 2021041441 ***Type:*** Colocation ***Received (date):*** 4/30/2021

Revised: 5/20/21

Revised: 6/1/21

Revised: 6/8/21

Applicant: Crown Castle Fiber LLC on behalf of T-Mobile

Site Name/Location: Pepco 794422-970410/ 631 Thayer Avenue, Silver Spring

Zoning Standard: R-10 ***Property Owner:*** Montgomery County

Description: Proposed installation of strand node MNG-159 on existing PEPCO pole 794422-970410. Strand Node equipment to be installed: -Strand Cable

- Ericsson 6523 semi-integrated panel antenna (1)
- Ericsson Diplex Filter B2+B66/B30 (4-2) Diplexer (2)
- Ericsson 4402 Radio (2)

-Bracket Mount

-Splice Box

-Converter unit (Alpha Model #LPR48-IP68)

-Disconnect Switch (Alpha Model EP0/D-2-PR)

Tower Coordinator Recommendation: Recommended. Recommendation is subject to compliance with all applicable laws.

<https://montgomerycountytfcg.s3.amazonaws.com/Applications/MC2021041441+Application+and+Report.pdf>

15. **Application Number:** 2021041442 **Type:** Colocation **Received (date):** 4/30/2021

Revised: 5/25/21

Revised: 6/7/21

Applicant: Crown Castle Fiber LLC on behalf of T-Mobile

Site Name/Location: Pepco 806432-5346/ 10057 New Hampshire Ave, Silver Spring

Zoning Standard: CRT-1.5 **Property Owner:** Montgomery County

Description: Proposed installation of strand node MNG-387 on existing PEPCO pole 806432-5346. Strand Node Equipment to be installed:

-Strand Cable

-Ericsson 6523 semi-integrated panel antenna (1)

-Ericsson Diplex Filter B2+B66/B30 (4-2) Diplexer (2)

-Ericsson 4402 Radio (2)

Tower Coordinator Recommendation: Recommended. Recommendation is subject to compliance with all applicable laws.

<https://montgomerycountytfcg.s3.amazonaws.com/Applications/MC2021041442+Application+and+Report.pdf>

16. **Application Number:** 2021041443 **Type:** Colocation **Received (date):** 4/30/2021

Revised: 5/25/21

Revised: 6/7/21

Applicant: Crown Castle Fiber LLC on behalf of T-Mobile

Site Name/Location: Pepco 812445-9618/ 12047 Cherry Hill Rd, Silver Spring

Zoning Standard: R-60 **Property Owner:** Montgomery County

Description: Proposed installation of strand node MNG-012 on existing PEPCO pole 812445-9618. Strand Node Equipment to be installed:

-Strand Cable

-Ericsson 6523 semi-integrated panel antenna (1)

-Ericsson Diplex Filter B2+B66/B30 (4-2) Diplexer (2)

-Ericsson 4402 Radio (2)

-Bracket Mount

-Splice Box

-Converter unit (Alpha Model #LPR48-IP68)

-Disconnect Switch (Alpha Model EP0/D-2-PR)

Tower Coordinator Recommendation: Recommended. Recommendation is subject to compliance with all applicable laws.

<https://montgomerycountytfcg.s3.amazonaws.com/Applications/MC2021041443+Application+and+Report.pdf>

17. **Application Number:** 2021041444 **Type:** Colocation **Received (date):** 4/30/2021

Revised: 5/25/21

Revised: 6/24/21

Applicant: Crown Castle Fiber LLC on behalf of T-Mobile

Site Name/Location: PEPCO 789430-920660/ 1542 Forest Glen Rd, Silver Spring

Zoning Standard: R-60 **Property Owner:** Montgomery County

Description: Proposed installation of strand node MNG-394 on existing PEPCO pole 789430-920660. Strand Node Equipment to be installed:

- Strand Cable
- Ericsson 6523 semi-integrated panel antenna (1)
- Ericsson Diplex Filter B2+B66/B30 (4-2) Diplexer (2)
- Ericsson 4402 Radio (2)
- Bracket Mount
- Splice Box
- Converter unit (Alpha Model #LPR48-IP68)
- Disconnect Switch (Alpha Model EP0/D-2-PR)

Tower Coordinator Recommendation: Recommended. Recommendation is subject to compliance with all applicable laws.

<https://montgomerycountytfcg.s3.amazonaws.com/Applications/MC2021041444+Application+and+Report.pdf>

18. **Application Number:** 2021041445 **Type:** Colocation **Received (date):** 4/30/2021

Revised: 5/25/21

Revised: 6/14/21

Applicant: Crown Castle Fiber LLC on behalf of T-Mobile

Site Name/Location: Pepco 78425-6436/ 2199 Porter Rd, Silver Spring

Zoning Standard: R-60 **Property Owner:** Montgomery County

Description: Proposed installation of strand node MNG-410 on existing PEPCO pole 78425-6436. Strand Node Equipment to be installed:

- Strand Cable
- Ericsson 6523 semi-integrated panel antenna (1)
- Ericsson Diplex Filter B2+B66/B30 (4-2) Diplexer (2)
- Ericsson 4402 Radio (2)
- Bracket Mount
- Splice Box
- Converter unit (Alpha Model #LPR48-IP68)
- Disconnect Switch (Alpha Model EP0/D-2-PR)

Tower Coordinator Recommendation: Recommended. Recommendation is subject to compliance with all applicable laws.

<https://montgomerycountytfcg.s3.amazonaws.com/Applications/MC2021041445+Application+and+Report.pdf>

19. **Application Number:** 2021061475 **Type:** Colocation **Received (date):** 6/8/2021

Revised: 6/25/21

Applicant: Crown Castle Fiber LLC on behalf of T-Mobile

Site Name/Location: Pepco 790424-670150/ 8747 1st Ave, Silver Spring

Zoning Standard: CR-5.0 **Property Owner:** Montgomery County

Description: Proposed installation of strand node MNG-101 on existing PEPCO pole 790424-670150. Strand Node Equipment to be installed:

- Strand Cable
- Ericsson 6523 semi-integrated panel antenna (1)
- Ericsson Diplex Filter B2+B66/B30 (4-2) Diplexer (2)
- Ericsson 4402 Radio (2)

-Bracket Mount

-Splice Box

-Converter unit (Alpha Model #LPR48-IP68)

-Disconnect Switch (Alpha Model EP0/D-2-PR)

Tower Coordinator Recommendation: Recommended. Recommendation is subject to compliance with all applicable laws.

<https://montgomerycountytfcg.s3.amazonaws.com/Applications/MC2021061475+Application+and+Report.pdf>

Marjorie Williams noted that the county held a community meeting to review the proposed strand mounted installations a few weeks prior, and that the county received considerable feedback on these applications. She turned the meeting over to Mark Beall from the Department of Permitting Services to discuss the proposed installations and how the zoning code is being applied for these applications.

Mark Beall explained that these applications are for colocations on an existing pole. The utility pole is already there and will not be replaced. The strand to mount the antenna would be installed, similar to a bracket installed to a different support structure to mount the antenna, and then the antenna and equipment are to be attached to the strand. These applications fall under the Antenna On Existing Structure under the code. Under the code the setback requirements are measured from only the utility pole the antenna is mounted closest to.

Debbie Spielberg asked for guidance on enclosures for strand mounts, are they in an enclosure. Shawn Thompson explained that each piece of proposed equipment was enclosed within its own enclosure; the antenna is enclosed and the electronics are enclosed individually. Each component is in an enclosure, but there isn't an additional enclosure overtop of everything there.

Shawn Thompson was asked to speak to the RF emissions for these applications. He reminded the committee that the county does not have any requirement for reporting concerning RF. Tower coordinator has been asking for the report when the application is not categorically excluded per the FCC's OET 65 Bulletin. These installations are all powered under 1000 watts and are thus categorically excluded. Debbie asked if there was a specification where the antenna would exceed – 6 ft horizontally, 2 ft vertically. Shawn Thompson explained that if someone is walking on the ground, they would not be in the area where that zone would be – people cannot access a space that is over the limit. As there are no unmet regulations from the county, we recommend these applications to the committee.

Shawn was asked how the power is output from the antenna. He explained that the equipment has the output power which is focused by the antenna. Looking at the main beam of the antenna (the most focused) it is under 1000 watts and is categorically excluded. The energy is being focused down the street to cover along the street. The amount of energy that goes down is significantly less than what is project out along the street above the heads of the public.

As Mark Beall mentioned, these installations will be mounted on a strand. The measurement for setbacks will be taken from the closer pole the antenna is mounted to. The PEPCO Notice to Proceed document submitted along with each application references the same pole that these will be mounted to – the same singular pole. As such, Shawn Thompson recommended amending the

recommendation to highlight this point – that the recommendation is conditioned on the equipment being installed closer to the pole referenced in the PEPCO NTP than any other adjacent pole.

Michelle Grace had to leave the meeting at this time.

Thomas Williamson asked what benefits do the county and residents get from these installations. Shawn Thompson demurred, noting that it is tough for CTC to speak to this and still seem impartial. This type of technology is used for spot capacity. Mounting the technology on the strand avoids the need to replace the pole as well. Thomas Williamson asked where the antenna and equipment would go. Ben Berbert noted that a quick Google search (which he had just done) shows that these look similar to another cable junction box that you would see in the telecommunications space of a utility pole. Ben Berbert voiced his opinion that they seemed to be less obtrusive than other monopole antennas.

Thomas Williamson asked Shawn to confirm if these are governed by shot clock rules. He confirmed that yes, they are governed by the shot clock rules.

Martin Rookard made a motion to recommend all 17 strand-mounted applications conditioned on the equipment being installed closest to the pole referenced in the PEPCO NTP than any other adjacent pole. Patricia Wolford seconds the motion, and it is passed unanimously, save for Michelle Grace who had left the meeting prior to the vote taking place.

The meeting was adjourned.

The next TFCG meeting is scheduled for August 4, 2021, at 2 p.m.