



DEPARTMENT OF TECHNOLOGY SERVICES

Isiah Leggett
County Executive

Harash (Sonny) Segal
Chief Information Officer

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 12, 2017. The following people were in attendance:

MEMBERS

Marjorie Williams		TFCG Chair
Thomas Williamson		DGS
Patricia Wolford		DPS
Boyd Lawrence	(via phone)	MCPS
Martin Rookard	(via phone)	WSSC
Matt Schaeffer		OMB

STAFF

James Crane		CTC
Jay O'Neill		CTC

OTHER ATTENDEES

Judy Miller		MCDTS
Justin Blanset		NB & C for MCRCS
Butch Salamone		Crown Castle for T-Mobile
Marco Morales	(via phone)	Crown Castle for T-Mobile
Elizabeth Dietrich	(via phone)	NB & C for T-Mobile
Carlton Gilbert	(via phone)	Smartlink for T-Mobile
Randy Holmes	(via phone)	W-C-C for Sprint
Wesley Winner	(via phone)	Advantage Engineers
Unknown	(via phone)	Non-identified caller

Marjorie Williams announced that all Mobilitie applications had been withdrawn and that the county had no applications pending with this applicant.

Action Item: Meeting Minutes

Discussion: Martin Rookard moved that the June minutes be approved as written. Patricia Wolford seconded the motion and it was unanimously approved.

Action Item: Consent Agenda

Consent Agenda

1. ***Application Number:*** 201706-11 ***Type:*** Colocation ***Received (date):*** 5/16/2017
Revised: 06/05/2017
Revised: 06/13/2017

Applicant: MCRCS

Site Name/Location: Berkshire Towers/11200 Lockwood Dr (Oak Leaf Dr), White Oak

Zoning Standard: R-10 ***Property Owner*** Enclave Holdings

Description: On a 214' apartment building: replace three 18'-high omni antennas at 179', one 11'-high dipole antenna and two 21'-high antennas at 185'. Install a 10'-high equipment shelter on the rooftop.

Tower Coordinator Recommendation: Recommended

2. ***Application Number:*** 201706-12 ***Type:*** Colocation ***Received (date):*** 5/16/2017
Revised: 06/05/2017
Revised: 06/13/2017

Applicant: MCRCS

Site Name/Location: Hampshire Greens Tank/15916 New Hampshire Ave, Spencerville

Zoning Standard: RE-2C ***Property Owner*** WSSC

Description: On at 154' water tank: - Replace four 21' Omni antennas at 154'. Attach one 11'-high dipole antenna at 154' and one 9'-high dipole antenna at 149'. Attach two 6'-wide dish at 151'. Replace existing equipment shelter and generator.

Tower Coordinator Recommendation: Conditioned on the applicant providing written approval from WSSC of the attachment at the time of permitting.

It was brought to the committee's attention by WSSC that the owner of this site is not MNCPP. The owner is WSSC. The applicant stated that they had no objection in making the ownership change on the application. James Crane confirmed that all past applications on this site had been treated as a WSSC on the MC Atlas. Martin Rookard added that WSSC is the owner of this tank as well as the site that it is on and that the change had to be made on the application in order for it to be approved.

3. ***Application Number:*** 201706-13 ***Type:*** Colocation ***Received (date):*** 5/16/2017
Revised: 06/05/2017
Revised: 06/13/2017

Applicant: MCRCS

Site Name/Location: Montgomery College Germantown/20200 Observation Dr, Germantown

Zoning Standard: LSC-2.0 ***Property Owner*** State of Maryland

Description: On a 300' lattice tower: replace one 21'-high omni antenna at 250' and three 21'-high omni antennas at 217'. Replace two 22'-high dipole antennas at 160'. Replace one 6'-wide dish at 250' and add one 6'-wide dish at 127'. Replace existing equipment shelter and generator.

Tower Coordinator Recommendation: Conditioned on the applicant providing written approval from Montgomery College at the time of permitting.

4. ***Application Number:*** 201706-14 ***Type:*** Colocation ***Received (date):*** 5/16/2017
Revised: 06/05/2017
Revised: 06/13/2017

Applicant: MCRCS

Site Name/Location: Damascus Tower/26149 Ridge Rd, Damascus

Zoning Standard: CRT-1.75 ***Property Owner*** Montgomery County

Description: On a 255' lattice tower: Attach two 21'-high omni antennas at 255'. Attach three 14'-high omni antennas at 220'. Attach 8'-wide dish at 245 and two 6'-wide dish at 127' and 213'. Replace existing equipment shelter and generator.

Tower Coordinator Recommendation: Recommended

5. ***Application Number:*** 201706-15 ***Type:*** Colocation ***Received (date):*** 5/16/2017
Revised: 06/09/2017

Applicant: T-Mobile

Site Name/Location: Tri-State Stone Quarry/8200 Seven Locks Rd, Bethesda

Zoning Standard: R-200 ***Property Owner*** Ben Porto & Son LTD

Description: Attach six panel antennas, three 93"-high and three 59"-high, and three RRHs at 135' on a 154' monopole. Install three cabinets and ancillary equipment on new equipment platform inside existing fenced compound.

Tower Coordinator Recommendation: Recommended

6. ***Application Number:*** 201706-07 ***Type:*** Colocation ***Received (date):*** 5/09/2017
Revised: 05/30/2017
Revised: 06/14/2017

Applicant: T-Mobile

Site Name/Location: Londonderry Apts/17060 King James Way, Gaithersburg

Zoning Standard: R-20 ***Property Owner*** Londonderry Affordable LLC

Description: Attach eight panel antennas, four 57"-high and four 93"-high, four RRHs, and one 24" dish at 86' and 97' on a 96' apartment building.

Tower Coordinator Recommendation: Recommended

7. **Application Number:** 201706-18 **Type:** Minor Modification **Received (date):** 5/17/2017
Revised: 06/14/2017

Applicant: T-Mobile

Site Name/Location: E-Z Storage/12311 Parklawn Dr, Rockville

Zoning Standard: IL-1.0 **Property Owner** Rockville Land LLLP

Description: Antenna Change Out: Replace three 57"-high panel antennas at 45' on a 42' storage building.

Tower Coordinator Recommendation: Recommended

8. **Application Number:** 201706-19 **Type:** Minor Modification **Received (date):** 5/17/2017
Revised: 06/14/2017

Applicant: T-Mobile

Site Name/Location: Kenwood Country Club/5601 River Road, Bethesda

Zoning Standard: R-90 **Property Owner** Kenwood Country Club

Description: Antenna Change Out: Replace three 57"-high panel antennas at 166' on a 230' lattice tower.

Tower Coordinator Recommendation: Recommended

9. **Application Number:** 201707-07 **Type:** Minor Modification **Received (date):** 5/26/2017

Applicant: T-Mobile

Site Name/Location: Extra Space Storage/19500 Frederick Road, Germantown

Zoning Standard: GR-1.5 **Property Owner** Prisaii II LLC

Description: Antenna Change Out: Replace three and add one panel antenna, all 57"-high at 80' on a 110' monopole.

Tower Coordinator Recommendation: Recommended

10. **Application Number:** 201707-08 **Type:** Minor Modification **Received (date):** 5/26/2017
Revised: 06/21/2017

Applicant: Verizon Wireless

Site Name/Location: Trinity United Methodist Church/13700 Schaeffer Rd, Germantown

Zoning Standard: R-200 **Property Owner** Trinity United Methodist Church

Description: Antenna Change Out: Replace twelve 72"-high panel antennas and six RRHs at 100' on a 105' bell tower.

Tower Coordinator Recommendation: Recommended

11. Application Number: 201707-09 **Type:** Minor Modification **Received (date):** 6/05/2017

Revised: 6/29/2017

Applicant: AT&T Wireless

Site Name/Location: Brink Water Tank/21701 Ridge Rd, Germantown

Zoning Standard: AR **Property Owner:** WSSC

Description: Antenna Change Out: Replace three 96"-high panel antennas and add six RRHs at 105' on a 140' water tank.

Tower Coordinator Recommendation: Conditioned on the applicant providing written approval from WSSC of the attachment at the time of permitting.

12. Application Number: 201707-11 **Type:** Minor Modification **Received (date):** 6/06/2017

Revised: 6/26/2017

Applicant: T-Mobile

Site Name/Location: Shady Grove Medical Center/9850 Key West Ave, Rockville

Zoning Standard: CR 1.0 **Property Owner:** Washington Real Estate Trust

Description: Attach three 93"-high panels and three RRHs at 62' on a 55' office building.

Tower Coordinator Recommendation: Recommended

13. Application Number: 201707-15 **Type:** Minor Modification **Received (date):** 6/14/2017

Revised: 6/27/2017

Revised: 7/05/2017

Applicant: Verizon Wireless

Site Name/Location: Avenel Golf Course/10010 Oaklyn Dr, Potomac

Zoning Standard: RE-2C **Property Owner:** WSSC

Description: Antenna Change Out: Replace six 96"-high panel antennas and add three RRHs at 127' on a 130' monopole.

Tower Coordinator Recommendation: Recommended

14. Application Number: 201707-16 **Type:** Minor Modification **Received (date):** 6/16/2017

Revised: 6/28/2017

Applicant: AT&T

Site Name/Location: PEPCO #103-S/8700 Snouffer School Rd, Gaithersburg

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

Description: Antenna Change Out: Replace three 73"-high panel antennas at 120' on a 120' transmission tower.

Tower Coordinator Recommendation: Recommended

15. Application Number: 201707-18 **Type:** Minor Modification **Received (date):** 6/16/2017

Applicant: T-Mobile

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

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

Description: Equipment Change Out: Modify and relocate ground equipment adjacent to monopole. Two cabinets to be replaced. A new generator and propane tank added.

Tower Coordinator Recommendation: Recommended

16. Application Number: 201707-19 **Type:** Minor Modification **Received (date):** 6/16/2017

Applicant: Sprint

Site Name/Location: Renaissance Plaza Apts/14000 Castle Blvd, Silver Spring

Zoning Standard: R-H **Property Owner:** Green Castle LP

Description: Attach one 2'-wide dish at 129' on a 115' apartment building

Tower Coordinator Recommendation: Recommended

17. Application Number: 201707-26 **Type:** Minor Modification **Received (date):** 6/21/2017

Applicant: Sprint

Site Name/Location: Pepco #662-S/Seven Locks Rd/Tuckerman Ln, Potomac

Zoning Standard: R-90 **Property Owner:** Pepco

Description: At 110' on a 116' transmission tower: replace six panel antennas, three 72"-high and three 56"-high; and add nine RRHs.

Tower Coordinator Recommendation: Recommended

18. Application Number: 201707-27 **Type:** Minor Modification **Received (date):** 6/21/2017

Applicant: Sprint

Site Name/Location: Pepco #681-W/18000 Wickham Rd, Brookeville

Zoning Standard: RE-1 **Property**

Owner: Pepco

Description: At 150' on a 142' transmission tower: replace six panel antennas, three 72"-high and three 56"-high; and add nine RRHs.

Tower Coordinator Recommendation: Recommended

19. Application Number: 201707-28 **Type:** Minor Modification **Received (date):** 6/21/2017

Applicant: Sprint

Site Name/Location: Pepco #148-N/19800 New Hampshire Ave, Brinklow

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

Description: At 140' on a 142' transmission tower: replace six panel antennas, three 72"-high and three 56"-high; attach one 2'-wide dish and add nine RRHs

Tower Coordinator Recommendation: Conditioned on applicant submitting tower modification drawing and passing a Structural Analysis on submission to DPS.

Motion: Patricia Wolford moved that all items on the Consent Agenda be recommended taking into consideration the change that must be made to site ownership of Item 2. Martin Rookard seconded the motion and it was unanimously approved.

Regular Agenda

20. Application Number: 201704-27 **Type:** Colocation

Received (date): 3/07/2017

Revised: 3/27/2017

Applicant: T-Mobile

Site Name/Location: Pepco #802417/1107 Sligo Creek Pkwy, Takoma Park

Zoning Standard: CRT-2.0 **Property Owner** Pepco

Description: Attach a 48" high omni antenna to the top of a 34' utility pole

Tower Coordinator Recommendation: Conditioned on the applicant providing the Pepco work order for Pepco pole #802417-730880, a survey confirming the right-of-way designation and confirmation of exclusion from any scenic set back to DPS at the time of permit application.

James Crane summarized the application and indicated that this application had previously been on the May agenda, but had been tabled for further research regarding ownership of the right of way. There had been concerns due to its location in Sligo Creek on the border of Montgomery County & Prince George's County. There was also a question of visual impact on this pole due to its location in Sligo Creek. It is located right where the Sligo Creek trail begins and there is also a memorial for two firefighters from the volunteer fire department in the vicinity. James Crane indicated that Michelle Grace from the Facilities Management Division for Montgomery County Department of Parks was contacted and her staff believes (without doing a survey) that this site is on the Montgomery County right-of-way. They do not oppose the application moving forward, but recommend that the applicant completes a survey verifying ownership and confirmation of exclusion from any scenic set back to DPS at the time of permit application. James Crane also noted that initially the applicant wanted to replace the pole, but later confirmed their intent of placing an antenna on the pole and not replacing it. James added that this pole is in CRT-2 Zoning and that the replacement of the pole is prohibited, however, an attachment of antenna on the pole is allowed.

Marjorie Williams pointed out that the applicant had proposed installing small cell antennas, but in the same application had indicated that they wanted to install 48 inch antennas which are not allowed under a small cell. Marjorie asked why the applicant wants to add 48 inch antennas instead of what is in place in the zoning limit.

Marco Morales from Crown Castle answered that the intent of the 48 inch antennas is to make this site as co-locatable as possible. He added that this antenna would be able to support all frequencies including what they currently know about the upcoming 5G frequencies from carriers.

Marjorie Williams stated that based on the current zoning, Permitting Services would not allow this application to move forward due to the size of the antenna.

Butch Salamon asked if this conclusion was because of the language of DAS vs Small Cell vs antenna height because current DAS legislation would allow them to place a 48-inch antenna on this site.

Marjorie Williams answered that because the application indicated small cell it would not be allowed. Butch added that they had previously talked about small cell meaning the technology not the equipment.

Marjorie Williams stated that she did not see any base stations or hubs where it showed that the applicant would be using DAS installation and that's where the concern came from. No evidence of a DAS network had been shown.

Marco Morales asked what the reason for denying this application would be if they submitted this application as DAS.

Marjorie Williams answered that the issue is the term "small cell" that is consistently present in this application. The solution is not to just revise the wording, but to make sure that this application is truly not a small cell installation.

Marco Morales asked how TFCG differentiates between a Small Cell vs a DAS installation. Marjorie Williams responded that they have discussed the differences before and that DAS is usually part of a network that connects colocations to a base station. DAS vs Small Cell is not interchangeable language that can be used because they are completely different technology. Marjorie again re-stated that no evidence was present in the application that this was a DAS network installation.

Butch Salamon asked what the committee would have to be shown to consider this a DAS installation.

Jay O'Neill answered that evidence would have to be presented in the application showing the base station and repeaters that are feeding nodes via fiber repeating at poles. An existing hub would have to be shown that houses the base stations that controls the DAS.

Marco Morales asked for a confirmation that CTC and Tower Committee would need additional information showing the base station at the hub, the fiber connectivity to each of the node locations and the characterization of front haul and back haul for the system.

Jay O'Neill confirmed that this was correct and would be needed for a consideration under a revised application for the current zoning.

Marjorie Williams added that if they wanted to continue as a small cell application they would have to change the size of the antenna that they want to use. Jay added that

multiple antennas could be used such as panel antennas or they could go with a 3-foot antenna if they wanted to proceed as a small cell application.

Marco Morales tabled the applications and stated that they would resubmit.

Action: Tabled by the applicant.

21. Application Number: 201707-01 **Type:** Colocation **Received (date):** 5/25/2017
Revised: 6/15/2017

Applicant: T-Mobile

Site Name/Location: Grand Bel Manor/3842 Bel Pre Rd, Silver Spring

Zoning Standard: R-20 **Property Owner:** Grand Bel Manor Condominiums

Description: New Site: Attach eight panels, one dish, and four RRHs at 40' and 43' on 36' apartment building.

Tower Coordinator Recommendation: Recommended

James Crane summarized the application.

Action: Thomas Williamson moved that the application be recommended. Martin Rookard seconded the motion and it was unanimously approved.

22. Application Number: 201707-02 **Type:** Colocation **Received (date):** 5/25/2017
Revised: 6/19/2017
Revised: 6/28/2017

Applicant: T-Mobile

Site Name/Location: Pepco #803424-900540/8664 11th Ave, Silver Spring

Zoning Standard: R-60 **Property Owner:** Pepco

Description: Attach a 48" high omni antenna at 42' 2" to a 38' 6" utility pole.

Tower Coordinator Recommendation: Not Recommended

James Crane summarized the application and noted it was located directly on the border of Montgomery and Prince George's County. It was not recommended due to its proximity to Montgomery County homes. It was also noted that while not in the Prince George's County right of way, the site was closer to Prince George's County homes than Montgomery County.

Marco Morales stated that Prince George's County did not have a similar 60-foot setback to residential homes as Montgomery County did and that he did not understand how the setback to the Prince George's County home impacted a pole located in Montgomery County.

Marjorie Williams answered that the committee was still unsure if the pole was at least 60 feet away from the Montgomery County home and that the antenna that was being proposed on a small cell installation was 48 inches, which violated current zoning.

James Crane added that anytime an application site is on the border of two counties it must be noted, but the other county's laws do not impact a decision to recommend or not recommend an application. This application still had the problematic setback within the Montgomery County homes.

Marco Morales stated that he had discussed with James that the setback was around 63 feet.

James Crane answered that figure was not confirmed by a survey and that no setback information was provided in the application. No engineering results were available from Crown Castle and the online tools that were used were too close to the setback to be taken into consideration without a survey.

Marjorie Williams stated that there is also the issue of the 48-inch antenna. Marco Morales decided to table the application as well as the others reflecting the use of a 48-inch antenna.

Action: Tabled by Applicant.

23. Application Number: 201707-03 **Type:** Colocation **Received (date):** 5/25/2017
Revised: 6/19/2017
Revised: 6/28/2017

Applicant: T-Mobile

Site Name/Location: Pepco #802423-370300/1113 Chickasaw Dr, Silver Spring

Zoning Standard: R-60 **Property Owner:** Pepco

Description: Attach a 48" high omni antenna at 42' 2" to a 38' 6" utility pole.

Tower Coordinator Recommendation: Not Recommended

Action: Tabled by Applicant.

24. Application Number: 201707-04 **Type:** Colocation **Received (date):** 5/25/2017
Revised: 6/19/2017
Revised: 6/28/2017

Applicant: T-Mobile

Site Name/Location: Pepco #803424-04100/8559 11th Ave, Silver Spring (Hyattsville)

Zoning Standard: R-60 **Property Owner:** Pepco

Description: Attach a 48" high omni antenna at 46' 8" to a 43' utility pole.

Tower Coordinator Recommendation: Not Recommended

Action: Tabled by Applicant.

25. Application Number: 201707-05 **Type:** Colocation **Received (date):** 5/25/2017
Revised: 6/19/2017
Revised: 6/28/2017

Applicant: T-Mobile

Site Name/Location: PEPCO #799423-0556/8600 Flower Ave, Takoma Park

Zoning Standard: R-40 **Property Owner:** Pepco

Description: Attach a 48" high omni antenna at 42' 2' to a 38' 6" utility pole.

Tower Coordinator Recommendation: Not Recommended

Action: Tabled by Applicant.

26. Application Number: 201707-06 **Type:** Colocation **Received (date):** 5/25/2017
Revised: 6/19/2017
Revised: 6/28/2017

Applicant: T-Mobile

Site Name/Location: PEPCO #799424-752275/8536 Piney Branch Rd, Silver Spring

Zoning Standard: CRT-3.0 **Property Owner:** Pepco

Description: Attach a 48" high omni antenna at 44' 2" to a 38' 6" utility pole.

Tower Coordinator Recommendation: Conditioned on the applicant providing the Pepco work order for Pepco pole # #-799424-752275 to DPS at the time of permit application.

Action: Tabled by Applicant.

27. Application Number: 201706-21 **Type:** Colocation **Received (date):** 5/23/2017
Revised: 7/5/2017

Applicant: T-Mobile

Site Name/Location: Battery Park/7979 Old Georgetown Rd, Bethesda

Zoning Standard: CR-3.0 **Property Owner:** Jamal's 7979 LLC

Description: Attach eight panel antennas; four 57"-high and four 93"-high, one 2'-wide dish and four RRHs at 120' and 136' on a 136' apartment building.

Tower Coordinator Recommendation: Recommended

James Crane summarized the application. This was an established site with Sprint, but they have left the location and T-Mobile will be the only carrier at this time.

Action: Patricia Wolford moved that the application be recommended. Martin Rookard seconded the motion and it was unanimously approved.

The meeting was adjourned.

The next regularly scheduled meeting of the TFCG will be held on August 2nd, 2017. This reflects a return to the TFCG meetings occurring on the first Wednesday of the month.