

1 STATE OF CONNECTICUT
2 CONNECTICUT SITING COUNCIL
3

4 Docket No. 494

5 Cellco Partnership d/b/a Verizon Wireless
6 application for a Certificate of Environmental
7 Compatibility and Public Need for the
8 construction, maintenance, and operation of a
9 telecommunications facility located south of
10 Chestnut Hill Road at the intersection with
11 Grilley Road and Lyman Road (Parcel No. 101-1-5B),
12 Wolcott, Connecticut.
13

14 VIA ZOOM AND TELECONFERENCE
15

16 Public Hearing held on Tuesday, December 8, 2020,
17 beginning at 2 p.m. via remote access.
18

19
20 H e l d B e f o r e:

21 ROBERT SILVESTRI, Presiding Officer
22
23
24

25 Reporter: Lisa L. Warner, CSR #061

1 **A p p e a r a n c e s :**

2
3 **Council Members:**

4 **ROBERT HANNON**

5 **Designee for Commissioner Katie Dykes**
6 **Department of Energy and Environmental**
7 **Protection**

8 **QUAT NGUYEN**

9 **Designee for Chairman Marissa Paslick Gillett**
10 **Public Utilities Regulatory Authority**

11 **DANIEL P. LYNCH, JR.**

12 **MICHAEL HARDER**

13 **EDWARD EDELSON**

14 **JOHN MORISSETTE**

15 **Council Staff:**

16 **MELANIE BACHMAN, ESQ.**

17 **Executive Director and**
18 **Staff Attorney**

19
20 **MICHAEL PERRONE**

21 **Siting Analyst**

22
23 **LISA FONTAINE**

24 **Fiscal Administrative Officer**

25

1 **A p p e a r a n c e s: (Cont'd.)**

2
3 **For Applicant Cellco Partnership d/b/a**
4 **Verizon Wireless:**

5 **ROBINSON & COLE LLP**
6 **280 Trumbull Street**
7 **Hartford, Connecticut 06103-3597**

8 **BY: KENNETH C. BALDWIN, ESQ.**

9
10 **For Intervenor New Cingular Wireless PCS, LLC**
11 **(AT&T):**

12 **CUDDY & FEDER LLP**
13 **445 Hamilton Avenue, 14th Floor**
14 **White Plains, New York 10601**

15 **BY: DANIEL PATRICK, ESQ.**

16
17
18
19 **Also present: Pryme Tyme**

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22
23
24 ****All participants were present via remote access.**

1 MR. SILVESTRI: Good afternoon,
2 everyone. I trust that my audio is coming through
3 clear to everybody. This remote public hearing is
4 called to order this Tuesday, December 8, 2020, at
5 2 p.m. My name is Robert Silvestri, member and
6 presiding officer of the Connecticut Siting
7 Council.

8 Other members of the Council are Robert
9 Hannon, designee for Commissioner Katie Dykes of
10 the Department of Energy and Environmental
11 Protection; Quat Nguyen, designee for Chair
12 Marissa Paslick Gillett of the Public Utilities
13 Regulatory Authority; John Morissette; Michael
14 Harder; Edward Edelson; and Daniel P. Lynch, Jr.

15 Members of the staff are Melanie
16 Bachman, executive director and staff attorney;
17 Michael Perrone, our siting analyst for today; and
18 Lisa Fontaine, fiscal administrative officer.

19 As all are keenly aware, there is
20 currently a statewide effort to prevent the spread
21 of the Coronavirus. And this is why the Council
22 is holding this remote public hearing, and we ask
23 for your patience.

24 And we also ask that if you haven't
25 done so already, please mute your computer audio

1 and/or telephone at this time.

2 This hearing is held pursuant to the
3 provisions of Title 16 of the Connecticut General
4 Statutes and of the Uniform Administrative
5 Procedure Act upon an application from Cellico
6 Partnership doing business as Verizon Wireless for
7 a Certificate of Environmental Compatibility and
8 Public Need for the construction, maintenance, and
9 operation of a telecommunications facility located
10 south of Chestnut Hill Road at the intersection
11 with Grilley Road and Lyman Road in Wolcott,
12 Connecticut. This application was received by the
13 Council on September 2, 2020.

14 The Council's legal notice of the date
15 and time of this remote public hearing was
16 published in The Waterbury Republican American on
17 October 14, 2020. Upon this Council's request,
18 the applicant erected a sign near the proposed
19 access road entering the subject property from
20 Chestnut Hill Road so as to inform the public of
21 the name of the applicant, the type of facility,
22 the remote public hearing date, and contact
23 information for the Council.

24 As a reminder to all, off-the-record
25 communication with a member of the Council or a

1 member of the Council staff upon the merits of
2 this application is prohibited by law.

3 The parties and intervenors to the
4 proceeding are as follows: The applicant, Cellco
5 Partnership doing business as Verizon Wireless,
6 its representative is Kenneth C. Baldwin, Esq.
7 from Robinson & Cole LLP. The intervenor, New
8 Cingular Wireless PCS, LLC/AT&T, its
9 representative is Daniel Patrick, Esq. and Lucia
10 Chiocchio, Esq. of Cuddy & Feder LLP.

11 We will proceed in accordance with the
12 prepared agenda, a copy of which is available on
13 the Council's Docket 494 webpage, along with the
14 record of this matter, the public hearing notice,
15 instructions for public access to this remote
16 public hearing, and the Council's Citizens Guide
17 to Siting Council Procedures. Interested persons
18 may join any session of this public hearing to
19 listen, but no public comments will be received
20 during the 2 p.m. evidentiary session.

21 At the end of the evidentiary session
22 we will recess until 6:30 p.m. this evening for
23 the public comment session. And please be advised
24 that any person may be removed from the remote
25 evidentiary session or the public comment session

1 at the discretion of the Council.

2 The 6:30 p.m. public comment session is
3 reserved for the public to make brief statements
4 into the record. And I wish to note that the
5 applicant and intervenor, including their
6 representatives and witnesses, are not allowed to
7 participate in the public comment session.

8 I also wish to note for those who are
9 listening and for the benefit of your friends and
10 neighbors who are unable to join us for the remote
11 public comment session that you or they may send
12 written comments to the Council within 30 days of
13 the date hereof either by mail or by email, and
14 such written documents will be given the same
15 weight as if spoken during the remote public
16 comment session.

17 A verbatim transcript of this remote
18 public hearing will be posted on the Council's
19 Docket 494 webpage and deposited with the Wolcott
20 Town Clerk's Office and the Waterbury City Clerk's
21 Office for the convenience of the public.

22 And the Council will also take a 10 to
23 15 minute break somewhere at a convenient juncture
24 around 3:30 p.m. this afternoon.

25 I wish to call to your attention those

1 items that are shown on the hearing program marked
2 as Roman Numeral I-B, Items 1 through 77, that the
3 Council has administratively noticed.

4 Does any party or intervenor have an
5 objection to the items that the Council has
6 administratively noticed? And I'll start first
7 with Attorney Baldwin.

8 MR. BALDWIN: No objection, Mr.
9 Silvestri.

10 MR. SILVESTRI: Thank you, Attorney
11 Baldwin.

12 Attorney Patrick?

13 MR. PATRICK: No objection, Mr.
14 Silvestri.

15 MR. SILVESTRI: Thank you also,
16 Attorney Patrick.

17 Accordingly, the Council hereby
18 administratively notices these items.

19 (Council's Administrative Notice Items
20 I-B-1 through I-B-77: Received in evidence.)

21 MR. SILVESTRI: Turning now to the
22 appearance by the applicant. And will the
23 applicant present its witness panel for the
24 purpose of taking the oath, and Attorney Bachman
25 will thereafter administer the oath.

1 MR. BALDWIN: Thank you, Mr. Silvestri.
2 Again, on behalf of the applicant, Cellco
3 Partnership doing business as Verizon Wireless,
4 this is Ken Baldwin with Robinson & Cole. Our
5 witness panel, as listed in the hearing program --
6 and I would ask our witnesses to turn your cameras
7 on, if you would -- our witness panel includes Tim
8 Parks. Mr. Parks is a real estate regulatory
9 specialist with Verizon Wireless. Mr. Ziad
10 Cheiban, who is the radio frequency design
11 engineer responsible for the Wolcott South
12 facility. Brad Parsons with All-Points Technology
13 is a professional engineer responsible for site
14 engineering, together with Hu Jiazhu with Nexius
15 Engineering. Mr. Jiazhu is also a professional
16 engineer with Nexius.

17 We're also joined by Brian Gaudet, the
18 project manager with All-Points Technology; Mike
19 Libertine, who is the director of siting and
20 permitting with All-Points Technology; and Dean
21 Gustafson, senior wetland scientist and
22 professional soil scientist with All-Points
23 Technology.

24 We have a full load today, Mr.
25 Silvestri, and we offer them to be sworn at this

1 time.

2 MR. SILVESTRI: Thank you, Attorney
3 Baldwin.

4 Attorney Bachman.

5 MS. BACHMAN: Thank you, Mr. Silvestri.
6 Can the witnesses please raise their right hand?

7 T I M O T H Y P A R K S ,

8 Z I A D C H E I B A N ,

9 B R A D L E Y P A R S O N S ,

10 H U J I A Z H U ,

11 B R I A N G A U D E T ,

12 M I C H A E L L I B E R T I N E ,

13 D E A N G U S T A F S O N ,

14 called as witnesses, being first duly sworn
15 (remotely) by Ms. Bachman, were examined and
16 testified on their oath as follows:

17 MR. BALDWIN: Mr. Silvestri, we have
18 five hearing exhibits listed in the hearing
19 program under Roman II, Section B. They include
20 the application and its bulk file exhibits;
21 protective order documents, dated October 8th, the
22 applicant's responses to the Siting Council Set
23 One interrogatories, dated November 13th; the
24 applicant's sign posting affidavit, dated November
25 18th; and last, the applicant's responses to the

1 Council's interrogatories, Set Two, dated December
2 1, 2020. We offer them now for identification
3 purposes subject to verification by our witness
4 panel.

5 MR. SILVESTRI: Please proceed.

6 DIRECT EXAMINATION

7 MR. BALDWIN: Okay. If we could as a
8 panel answer the following questions for these
9 exhibits. Did you prepare or assist in the
10 preparation of the exhibits listed in the hearing
11 program under Roman II, Section B, Items 1 through
12 5?

13 Mr. Parks? Tim, could you unmute your
14 phone?

15 THE WITNESS (Parks): My phone is
16 unmuted. Is anyone hearing me?

17 MR. SILVESTRI: Yes, I am.

18 THE WITNESS (Parks): Sorry about that.
19 I'm sorry, can you repeat that?

20 MR. BALDWIN: I can. Did you prepare
21 or assist in the preparation of the exhibits
22 listed in the hearing program?

23 THE WITNESS (Parks): Yes, I did.

24 MR. BALDWIN: Mr. Cheiban.

25 THE WITNESS (Cheiban): Yes, I did.

1 MR. BALDWIN: Mr. Parsons.
2 THE WITNESS (Parsons): Yes, I did.
3 MR. BALDWIN: Mr. Jiazhu.
4 THE WITNESS (Jiazhu): Yes, I did.
5 MR. BALDWIN: Mr. Gaudet.
6 THE WITNESS (Gaudet): Yes, I did.
7 MR. BALDWIN: Mr. Libertine.
8 THE WITNESS (Libertine): Yes.
9 MR. BALDWIN: And Mr. Gustafson.
10 THE WITNESS (Gustafson): Yes.
11 MR. BALDWIN: Do any of the witnesses
12 have any corrections, modifications or amendments
13 to make to any of those exhibits at this time?
14 Mr. Parks, we'll start with you.
15 THE WITNESS (Parks): No, I do not.
16 MR. BALDWIN: Mr. Cheiban.
17 THE WITNESS (Cheiban): No.
18 MR. BALDWIN: Mr. Parsons.
19 THE WITNESS (Parsons): No.
20 MR. BALDWIN: Mr. Jiazhu.
21 THE WITNESS (Jiazhu): No.
22 MR. BALDWIN: Mr. Gaudet.
23 THE WITNESS (Gaudet): No.
24 MR. BALDWIN: Mr. Libertine.
25 THE WITNESS (Libertine): No.

1 MR. BALDWIN: And Mr. Gustafson.

2 THE WITNESS (Gustafson): No.

3 MR. BALDWIN: And is the information
4 contained in those exhibits therefore true and
5 accurate to the best of your knowledge?

6 Mr. Parks.

7 THE WITNESS (Parks): Yes, it is.

8 MR. BALDWIN: Mr. Cheiban.

9 THE WITNESS (Cheiban): Yes, it is.

10 MR. BALDWIN: Mr. Parsons.

11 THE WITNESS (Parsons): Yes, it is.

12 MR. BALDWIN: Mr. Jiazhu.

13 THE WITNESS (Jiazhu): Yes.

14 MR. BALDWIN: Mr. Gaudet.

15 THE WITNESS (Gaudet): Yes.

16 MR. BALDWIN: Mr. Libertine.

17 THE WITNESS (Libertine): Yes.

18 MR. BALDWIN: And Mr. Gustafson.

19 THE WITNESS (Gustafson): Yes.

20 MR. BALDWIN: And do you adopt the
21 information contained in those exhibits as your
22 testimony in this proceeding this afternoon?

23 Mr. Parks.

24 THE WITNESS (Parks): Yes, I do.

25 MR. BALDWIN: Mr. Cheiban.

1 THE WITNESS (Cheiban): Yes, I do.

2 MR. BALDWIN: Mr. Parsons.

3 THE WITNESS (Parsons): Yes, I do.

4 MR. BALDWIN: Mr. Jiazhu.

5 THE WITNESS (Jiazhu): Yes.

6 MR. BALDWIN: Mr. Gaudet.

7 THE WITNESS (Gaudet): Yes.

8 MR. BALDWIN: Mr. Libertine.

9 THE WITNESS (Libertine): Yes.

10 MR. BALDWIN: And Mr. Gustafson.

11 THE WITNESS (Gustafson): Yes.

12 MR. BALDWIN: I offer them as full
13 exhibits, Mr. Silvestri.

14 MR. SILVESTRI: Thank you, Attorney
15 Baldwin.

16 Does any party or intervenor object to
17 the admission of the applicant's exhibits?

18 Attorney Patrick.

19 MR. PATRICK: No objection.

20 MR. SILVESTRI: Thank you, Attorney
21 Patrick. The exhibits are hereby admitted. Thank
22 you.

23 (Applicant Cellco Partnership d/b/a
24 Verizon Wireless Exhibits II-B-1 through II-B-5:
25 Received in evidence - described in index.)

1 MR. SILVESTRI: We will now begin with
2 cross-examination of the applicant by the Council,
3 starting with Mr. Perrone, please.

4 MR. PERRONE: Thank you, Mr. Silvestri.

5 CROSS-EXAMINATION

6 MR. PERRONE: I'll begin with the
7 response to Council Interrogatory 25 in Set One.
8 The search radius is approximately 1,000 feet.
9 Could you explain why the search ring was limited
10 to a radius of 1,000 feet?

11 THE WITNESS (Cheiban): So we are on
12 kind of the side of a steep hill, and, you know,
13 making the search radius too large might have
14 resulted in us getting candidates that are, you
15 know, low in elevation or blocked by the hill. So
16 we restricted it in order to get the candidates
17 that would be suitable for us from an RF design
18 perspective.

19 MR. PERRONE: Referencing the response
20 to Council Interrogatory 26, the last paragraph of
21 the response, the applicant notes a fourth parcel
22 was initially reviewed but rejected. Do you know
23 the address and property owner of this parcel?

24 THE WITNESS (Cheiban): If you're
25 asking me, I do not. I don't know if anybody on

1 the real estate side knows.

2 THE WITNESS (Parks): I do not. I can
3 find out.

4 MR. BALDWIN: Why don't we take that as
5 a quick homework assignment, Mr. Perrone, and
6 we'll get that information to you.

7 MR. PERRONE: Sure, I'll move on.

8 Referencing page 20 of the application.
9 Since the filing of the application, has the
10 applicant received any comments or feedback from
11 the Town of Wolcott or the City of Waterbury?

12 THE WITNESS (Parks): We have not.

13 MR. PERRONE: Turning to the response
14 to Council Interrogatory 28, which gets into
15 co-location. Just as an update, has the Town of
16 Wolcott or any other emergency services entity
17 expressed an interest in co-locating on the tower?

18 THE WITNESS (Parks): They have not.

19 MR. PERRONE: And also as an update,
20 other than AT&T, have any wireless carriers
21 expressed an interest in co-locating on the tower?

22 THE WITNESS (Parks): Not that I'm
23 aware of, no.

24 MR. PERRONE: Turning to the response
25 to Council Interrogatory Number 4, the topic is

1 the yield point. At what height would the yield
2 point be located?

3 MR. BALDWIN: Can we have one of our
4 engineers take that one?

5 THE WITNESS (Cheiban): I think that
6 might be a question for Jiazhu.

7 THE WITNESS (Jiazhu): Until we have
8 finally, you know, finished the design of the
9 tower, that's going to come through the final
10 ordering of the tower structure to determine the
11 exact yielding point.

12 MR. PERRONE: Okay. Generally
13 speaking, with the yield point, does that mean
14 that the lower section of the tower is somewhat
15 overdesigned relative to the upper section?

16 THE WITNESS (Jiazhu): It can be
17 actually anywhere on the tower. It depends on the
18 design. A good design is supposed to have, you
19 know, no yielding point along the entire tower at
20 any section. All the sections on the tower are
21 going to be good for the loading, extreme loading.
22 I mean, so it's going to come through from the
23 final design to determine where is the weakest
24 point, if we are referring to the yielding point.
25 However, a good design, once it's approved, our

1 design drawings, the tower should not have any
2 yielding point under any extreme loading according
3 to the requirements by the codes, building codes.

4 MR. PERRONE: Moving on to Council
5 Interrogatory Number 18, this is a possible
6 technical correction. In the response it says,
7 "If Cellco were required to reduce the height of
8 its antennas to 106 feet AMSL." Was "AGL"
9 intended?

10 THE WITNESS (Cheiban): That is
11 correct.

12 MR. PERRONE: And referencing the
13 drawing, it's sheet Z-1, I understand Cellco has a
14 proposed ice canopy over its equipment. Do you
15 have the height of the ice canopy approximately?

16 THE WITNESS (Cheiban): Jiazhu, can you
17 look that up on the drawings?

18 THE WITNESS (Jiazhu): It's about 120.
19 That's the highest point of the structure.

20 MR. PERRONE: Has the applicant
21 considered a shared generator to accommodate both
22 Cellco and AT&T? And please explain why or why
23 not.

24 THE WITNESS (Parks): We would consider
25 that if AT&T did request that, and we do that for

1 really all of our new build sites.

2 MR. PERRONE: Referencing the response
3 to Council Interrogatory 16, the question was
4 regarding 5G services. Can you confirm which
5 services Cellco would offer from the proposed
6 site?

7 THE WITNESS (Cheiban): Yes, we would
8 be offering both 4G and 5G service at the
9 frequencies that are listed in our applications
10 which are 700 megahertz, 850 megahertz, 1900
11 megahertz and 2100 megahertz.

12 MR. PERRONE: Referencing the response
13 to Council Interrogatory 21, do you have an
14 existing signal strength or range of signal
15 strengths for 850 megahertz?

16 THE WITNESS (Cheiban): I'm sorry, can
17 you clarify the question? I did not understand.

18 MR. PERRONE: Sure. The response to
19 Council Interrogatory 21, we have the existing
20 signal strengths for 700 megahertz, 2100 and 1900.
21 I was wondering what the existing signal strength
22 for 850 would be, or a range.

23 THE WITNESS (Cheiban): So we are
24 deploying, you know, 4G and 5G onto our 850
25 frequency, but this is spectrum that is being

1 reused from the previous 3G technology, and
2 currently the coverage is kind of sparse. So, you
3 know, the Wolcott South facility will have 850.
4 The site, just roughly south of it, which is we
5 call Waterbury, it just got that turned on I think
6 a couple weeks ago. So, you know, we don't have a
7 lot of coverage on 850 currently because that
8 spectrum is being reused, as I mentioned, from the
9 3G.

10 MR. PERRONE: And moving back to
11 Council Interrogatory Number -- excuse me one
12 second -- Number 20, we have the minimum design
13 thresholds for LTE service it's given. So is that
14 relative to the 700 megahertz; and if so, what
15 would be the thresholds for the other frequency
16 bands?

17 THE WITNESS (Cheiban): We use the same
18 thresholds for all the bands.

19 MR. PERRONE: Okay. I'm all set on the
20 RF topic.

21 Turning to the response to Council
22 Interrogatory 46, could the applicant provide an
23 update on its filing with and/or any responses
24 received from SHPO?

25 THE WITNESS (Gaudet): That process has

1 not started yet when Cellco will be consulting
2 with SHPO.

3 MR. PERRONE: A few visibility
4 questions. Turning to page 3 of the visual
5 assessment, at the bottom of page 3 it discusses
6 the balloon float on January 14, 2020. Could you
7 tell us about the duration of that balloon float?

8 THE WITNESS (Gaudet): I don't have the
9 specific time offhand, but it's typically about a
10 three to four hour field review of driving the
11 entire study area.

12 MR. PERRONE: Referencing sheet SP-1 of
13 the application and also C-1, there's a property
14 immediately east off of Grilley Road, 6 Grilley
15 Road. It directly abuts. And my question is,
16 what would the visibility be of the proposed
17 access drive from that property immediately to the
18 east, could you describe that?

19 THE WITNESS (Gaudet): There's not much
20 screening there that exists today, and there's
21 going to be a couple trees removed. So the access
22 drive, as designed, without any landscape or
23 vegetation plan, will be visible from that
24 property as much as a driveway can be. It's not
25 substantial. There's some existing structure

1 there. It's like an old well or building
2 foundation that will help to hide it a little bit,
3 but there will be enough space in between that,
4 you know, if there is vegetative screening being
5 required, we could do that.

6 MR. PERRONE: Okay. And lastly
7 regarding the access road, given that it's a
8 curved access road, if you're standing at the
9 entrance looking into the access road, would you
10 be able to see the proposed tower compound?

11 THE WITNESS (Gaudet): I don't believe
12 so. The access drive is pretty long, so it's,
13 like you said, it curves, it kind of curves, as
14 you're looking in to the right and then back
15 around to the left, but there is going to be
16 significant tree coverage in between the road and
17 the tower compound itself.

18 MR. PERRONE: Thank you. That's all I
19 have.

20 MR. SILVESTRI: Thank you, Mr. Perrone.
21 Attorney Baldwin, before we move on,
22 anything on the address ownership question that
23 Mr. Perrone had posed earlier?

24 MR. BALDWIN: I believe so. Mr. Parks,
25 do you have that information?

1 THE WITNESS (Parks): I will have to
2 research that.

3 MR. BALDWIN: Mr. Silvestri, I do have
4 that information, if you can indulge me at the
5 risk of testifying. I'm just referring to the
6 town's GIS system. That adjacent parcel that Mr.
7 Perrone referenced is owned by a company called
8 Executive Hill LLC. And there is no street
9 number, but the address is simply Grilley Road,
10 G-R-I-L-L-E-Y Road.

11 MR. SILVESTRI: Very good.

12 THE WITNESS (Gustafson): I can verify
13 that as well.

14 MR. SILVESTRI: Thank you, both.

15 Mr. Perrone, are you all set with that
16 answer?

17 MR. PERRONE: Yes, sir. Thank you.

18 MR. SILVESTRI: Very good. Thank you.
19 Thank you, all.

20 Okay. We will continue
21 cross-examination of the applicant by Mr.
22 Morissette, please.

23 MR. MORISSETTE: Thank you, Mr.
24 Silvestri.

25 Good afternoon, everyone. Can you hear

1 me okay?

2 THE WITNESS (Parks): Uh-huh.

3 MR. MORISSETTE: Great. I'd like to
4 turn to page 7 of the application at the very top,
5 the first sentence, which starts actually on page
6 6, which reads, "In addition, perhaps more
7 importantly, Cellco's existing Waterbury cell
8 site, Wolcott cell site, and Wolcott North cell
9 site are currently operating at or near the
10 current capacity limits, resulting in a
11 significant reduction in reliable wireless service
12 in the area."

13 Can you tell me what the term operating
14 at or near their capacity limits resulting in
15 significant reduction in reliability means?

16 THE WITNESS (Cheiban): Yes. So each
17 cell site has a certain limit as far as how much
18 throughput it can handle in the aggregate for all
19 the users that are served by it. And this
20 specific one happens to be, you know, basically
21 what we call exhausted for capacity, it's not
22 delivering the user throughput that we design our
23 network to deliver. And so the users would
24 experience either, you know, a stall or slow data,
25 things of that nature, and, you know, that's what

1 we're trying to remedy.

2 MR. MORISSETTE: Okay. Thank you.
3 When you use the term "throughput," what is that
4 relating to? I'm trying to get my head around
5 capacity. And when you say that you're at
6 capacity limits, your throughput is not available
7 for all, could you elaborate a little bit more on
8 that?

9 THE WITNESS (Cheiban): Sure. So it's
10 basically that sector is being shared by all the
11 users that are within its coverage footprint. And
12 so as the number of users increases or the usage
13 pattern of the users changes and they start using
14 more data, the throughput that is experienced by
15 each individual at the times when the site is
16 congested decreases. And so, you know, instead of
17 getting, for example 3 megabits per second, you
18 might get 500, .5 megabits per second. So it can
19 be a significant decrease, and users would
20 experience slowness, the apps may not be as
21 responsive as they need to be, and so on.

22 MR. MORISSETTE: Is it based on
23 megabits per second, so is a site rated in
24 megabits per second, and therefore if you reach a
25 certain level then you start to lose reliability?

1 THE WITNESS (Cheiban): We collect
2 statistics that give us the aggregate, the average
3 throughput that each user experiences, and we base
4 our capacity, our traffic engineering based on
5 that. So we're trying to maintain a certain
6 average throughput for all the users combined
7 within the footprint of that sector.

8 MR. MORISSETTE: Okay. What is
9 throughput measured in, is there a --

10 THE WITNESS (Cheiban): In megabits per
11 second, yes. I'm sorry.

12 MR. MORISSETTE: Great. Thank you.
13 That's helpful. Moving on to page 12 in the
14 application under tower share, it says that the
15 compound to be shared by a minimum of four
16 wireless carriers, but then on the drawing for the
17 hearing there are only three, only three positions
18 on the tower. Is there a reason for that, or is
19 that just an oversight?

20 MR. BALDWIN: Perhaps Mr. Parsons can
21 help us with that one.

22 THE WITNESS (Parsons): That I would
23 actually have to ask Jiazhu to step in on that
24 one. I'm seeing that there were only two future
25 locations, so I'm not sure if that was an

1 oversight on the tower elevation drawing.

2 MR. BALDWIN: It also may be a holdover
3 to the days when there were four actual major
4 carriers, Mr. Morissette, as now there are only
5 three.

6 THE WITNESS (Jiazhu): I think that's a
7 temporary configuration regarding what's the final
8 loading to be put on the tower. Typically when
9 the tower owner erects the tower, it's going to
10 have some matching capacity for future co-location
11 that's in the best interest for everyone,
12 stakeholders.

13 MR. MORISSETTE: So is the tower
14 designed for four or for three?

15 THE WITNESS (Jiazhu): I don't think we
16 have determined the details regarding how many
17 carriers can be co-located on that tower for now.
18 I don't think we can go that far yet regarding the
19 design of the tower. For now it's just
20 illustrative of properties for putting three on
21 the tower.

22 MR. MORISSETTE: So the application in
23 front of us is for three positions?

24 THE WITNESS (Jiazhu): Yes.

25 MR. MORISSETTE: And the tower will be

1 designed to hold three positions for strength
2 purposes?

3 THE WITNESS (Jiazhu): Yes, for now,
4 yes.

5 MR. MORISSETTE: Okay. Thank you. I'd
6 like to move to a discussion on Wetland 1.

7 Mr. Gustafson, I think that's you.

8 THE WITNESS (Gustafson): Yes, it is.

9 MR. MORISSETTE: As far as the wetland
10 crossing, I take it that there is -- is there a
11 path across it now, or is there no crossing at
12 all?

13 THE WITNESS (Gustafson): Yeah, there's
14 no existing crossing of that wetland corridor.

15 MR. MORISSETTE: Okay. So when the
16 road is installed, to install the culverts there
17 will be some permanent impacts. Remind me what
18 permitting will be required. Would a Corps permit
19 be required to install those?

20 THE WITNESS (Gustafson): Yes, we're
21 looking at 2,797 square feet of permanent impact.
22 With that level of impact, the project is eligible
23 under the Department of Army Connecticut General
24 Permits Program as a Self-Verification
25 Notification Form process. The design is also

1 sensitive to ensuring that there's no hydraulic,
2 adverse hydraulic impacts, either upstream or
3 downstream of the crossing. There's no defined
4 flow path through that proposed crossing location,
5 so that's the main impetus of proposing three
6 culvert crossings to ensure that we don't impede
7 any type of shallow surface water movement through
8 that wetland corridor. And those culverts are
9 embedded as well so that they comply with the
10 natural stream crossing design standards
11 recommended by both the Connecticut Department of
12 Energy and Environmental Protection and the Army
13 Corps of Engineers.

14 MR. MORISSETTE: Very good. Thank you.

15 Mr. Silvestri, that's all the questions
16 I have. Thank you.

17 MR. SILVESTRI: Thank you, Mr.
18 Morissette.

19 I'd like to continue cross-examination
20 at this time with Mr. Harder, please.

21 MR. HARDER: Yes. Thank you, Mr.
22 Silvestri.

23 I really have a few questions but just
24 on one subject generally, and that is the site
25 search. First of all, a preliminary comment. It

1 looks to me from looking at the coverage maps, the
2 existing and proposed coverage maps, which are
3 always a little difficult to interpret for me
4 anyway, but it looks generally like the improved
5 coverage is mostly to the north of the proposed
6 site. Is that correct?

7 THE WITNESS (Cheiban): That is
8 correct.

9 MR. HARDER: Okay. Well, getting to
10 the site search then, I guess it looks like,
11 unless there were a lot of number of other sites
12 that were rejected that aren't even mentioned, it
13 seems lacking that there's only two other sites
14 that were considered, and maybe three, and they're
15 all basically right there, right next door to the
16 proposed site.

17 And the thing that's a little strange
18 is, in the response to Interrogatory Number 26,
19 it's indicated that over four and a half years the
20 site search was handled by several consultants,
21 and then based on a review of notes from the site
22 search file, it appeared that those consultants
23 reached out to the parcel owners, and we can only
24 conclude the other property owners were not
25 interested. It's like there was a review done of

1 those consultants' work, but there was no original
2 work done to look at other sites.

3 And so my question is, were there other
4 sites to the north that were considered? I gather
5 from the existence or the proximity to Chestnut
6 Hill Reservoir, you know, that's a low area, and
7 there is highland to the east and somewhat to the
8 west and the north. So I'm wondering, were there
9 other sites in that area that were considered?

10 I guess the proposed site looks pretty
11 good with one exception, that being the wetland.
12 So I'm wondering, was consideration given to any
13 other sites that might not have any wetland
14 impacts and, you know, other problems associated
15 with them?

16 THE WITNESS (Parks): I'll answer that
17 one. Oh, go ahead, Ziad.

18 THE WITNESS (Cheiban): No, that's
19 fine, Tim. I can maybe follow up after you.

20 THE WITNESS (Parks): I was going to
21 say our site search is based on the search ring
22 that's generated by the RF team, in this case it's
23 Ziad. Candidates may have been researched to the
24 north. As you can see from the overhead, not only
25 is there Chestnut Hill Reservoir, but there's also

1 numerous smaller parcels. We were looking for a
2 larger one so that basically we could construct a
3 tower far enough from boundaries, far enough from
4 other parcels as well.

5 Ziad, I'll let you talk about exactly
6 where the search area was located.

7 THE WITNESS (Cheiban): Yes. So as Tim
8 mentioned, basically the RF engineers design a
9 search area and give it to the real estate
10 consultants. And in this case we focused, as I
11 mentioned, on the side of that hill where the
12 proposed site is because it has good enough
13 elevation that we can cover a wider area. And I
14 don't think that there were any candidates much to
15 the north of where we currently are proposing that
16 were considered.

17 MR. HARDER: I guess I want to make
18 sure. You're saying you don't think there were.
19 Is that based on, you know, any kind of search, or
20 was it based on just a lack of any indication in
21 the prior consultants' work?

22 THE WITNESS (Cheiban): I mean, what
23 I'm saying is that we, you know, the RF
24 engineering team decides on where we want to put
25 -- roughly where we want to put the new tower or

1 the new site, and we provide a map to the real
2 estate consultants. And that search area was kind
3 of focused on the hill where we are proposing the
4 current project.

5 MR. HARDER: Okay. So again, within
6 that 1,000 foot radius area?

7 THE WITNESS (Cheiban): Yeah, more or
8 less. I mean, we would have considered, if they
9 were beyond the 1,000 feet, we would have
10 definitely considered those candidates, but we
11 were not looking to be, say, a mile north or a
12 mile and a half north of where we are.

13 MR. HARDER: That was because of what
14 was presented to you? I guess I'm trying to get
15 an idea of why the search area was so small. I
16 mean, if what you were presented with was the
17 1,000 foot radius area, or approximately, you
18 know, why was that? Obviously, like you said, I
19 mean, I agree this site does look good with the
20 exception of the wetlands, but I'm wondering,
21 okay, you know, could there have been other sites
22 outside that 1,000 foot radius that still would
23 have provided coverage in that general area, if
24 I'm interpreting it correctly, you know, around
25 the reservoir more or less where those, you know,

1 one or more of those other sites could have been
2 better.

3 THE WITNESS (Cheiban): So the area
4 around the reservoir has a significantly lower
5 elevation than the hill that we're on. We were, I
6 mean, the engineering team basically focused the
7 search on the area with the higher elevation.

8 MR. HARDER: Right. When I say around
9 the reservoir, I don't mean just down low. I
10 mean, in looking roughly at a topo map of the area
11 extending further north of the reservoir than the
12 maps provided in the application, it looks like
13 the topography rises obviously as you go north and
14 east especially so that -- and maybe I'm
15 interpreting it incorrectly, but I would think
16 that because of those areas being higher in
17 elevation also that those might present some
18 satisfactory sites also. That's it.

19 THE WITNESS (Cheiban): Yeah, in theory
20 that might be true, but as I mentioned, we focused
21 our search on the area where we thought we would
22 have the best coverage.

23 MR. HARDER: Okay. All right. Thank
24 you for that explanation. That's all the
25 questions I have, Mr. Silvestri.

1 MR. SILVESTRI: Thank you, Mr. Harder.
2 I'd like to continue cross-examination of the
3 applicant by Mr. Hannon at this time.

4 MR. HANNON: Thank you. Just a couple
5 of general questions that I want to talk a bit
6 about the wetlands. My understanding is you're
7 proposing to use a 25 kilowatt fuel cell propane
8 base, a 500 gallon fuel tank. How long would that
9 run for before needing refueling?

10 THE WITNESS (Parks): That would
11 typically run for approximately two to three days.
12 Sites vary on how long the generator can run for
13 on a full tank depending on how busy they are.
14 The busier the site, the shorter span it would
15 last. Typically it's two to three days.

16 MR. HANNON: Okay. And then looking at
17 the maps and also on page 7 in the introduction it
18 talks about the remnants of an old stone
19 structure. So is it basically just sort of the
20 foundation that's left over there, or is, you
21 know, with a little bit of upgrading you could
22 actually recreate the house? So I'm just trying
23 to figure out what the status is of that old stone
24 structure.

25 THE WITNESS (Gustafson): All that is,

1 is the remnants of a stone foundation and there is
2 maybe some half walls. So it's not anything that
3 anyone would consider kind of, you know,
4 resurrecting or improving into a new structure.
5 It's pretty well dilapidated.

6 MR. HANNON: Okay. Most of the balance
7 of my questions really relate to the wetlands.
8 So, my understanding is there was a vernal pool
9 identified on the site, but I'm just trying to
10 make sure I understand the date. Because there
11 were three dates thrown out as far as the wetland
12 vernal pool impact evaluation was April 15, 2015,
13 August 22, 2017, November 25, 2019. So I'm
14 assuming it's the April 15, 2015 site
15 investigation where you came up with the
16 information on the vernal pool?

17 THE WITNESS (Gustafson): That is
18 correct.

19 MR. HANNON: Okay. And I guess
20 where I'm having --

21 MR. BALDWIN: (Inaudible) the
22 opportunity to get you to put this on the record.

23 MR. HANNON: I'm not sure who that was
24 directed towards.

25 MR. SILVESTRI: Attorney Baldwin, I

1 kind of missed that myself.

2 MR. BALDWIN: I'm sorry, Mr. Hannon. I
3 apologize. I'm circling back to a previous
4 question, but I'll get to that shortly.

5 MR. HANNON: Okay. Here's where I'm
6 having a little bit of difficulty sort of
7 understanding sort of what's going on with the
8 wetlands, because in the review it talks about an
9 intermittent watercourse draining to the north.
10 Okay, I follow that. But I can't say I'm familiar
11 with too many intermittent watercourses where
12 somebody has proposed three 24-inch wide pipes
13 crossing the wetlands to be able to deal with
14 that. So I'm just a little confused, I guess,
15 about the wetlands here and why three 24-inch
16 pipes might be required for this.

17 THE WITNESS (Gustafson): Yeah, I can
18 provide some clarification on that, Mr. Hannon.
19 So primarily the wetland system that's been
20 delineated and identified on the subject property
21 doesn't have a well defined flow path with the
22 exception being that once the wetland system
23 continues to drain to the north and gets closer to
24 Chestnut Hill Road and Grilley Road, that
25 intersection, it does start to form an

1 intermittent watercourse channel before it dumps
2 into a culvert underneath that road system.

3 So where the crossing is proposed there
4 isn't a defined flow channel. It's just broad
5 shallow flow that flows across the width of that
6 wetland system. But as you move further north
7 then a channel does form. So I apologize for not
8 providing clarification to give you a clearer
9 understanding of how those resources interrelate
10 to the proposed crossing.

11 But the reason why we proposed three
12 24-inch pipes is based on both an engineering
13 drainage analysis of the watershed feeding that
14 wetland system and also from an ecological
15 crossing standpoint to try to avoid any type of
16 hydraulic impacts to that wetland system with the
17 understanding that those pipes have to be embedded
18 12 inches into the wetland system. So we came up
19 with an appropriate design to use three pipes to
20 make sure that we're not focusing or concentrating
21 the flows as it moves through that proposed
22 crossing location.

23 MR. HANNON: Here's also part of the
24 reason why I'm looking at this is because a little
25 further north in the wetlands where you're

1 proposing the wetland crossing, instead of the 60
2 foot area that you're looking at, a little bit
3 north of that it looks as though the wetlands sort
4 of kind of fall in on themselves. And you've got
5 a width of the wetland that's only about 30 feet
6 wide. So I'm just wondering, has anybody looked
7 at putting in some type of crossing at that point,
8 because, I mean, again, assuming that it was
9 something like a smaller bridge, I mean, you could
10 theoretically put up the head wall to not even
11 have any adverse impact on the wetlands at all.
12 The grading would tie in on the western side of
13 the wetlands where it would basically come up and
14 tie in with where you've got the road proposed on
15 the west side of that wetland area now.

16 So I'm just wondering if anybody has
17 even looked at that because the topography there
18 is relatively flat. It may be a couple feet
19 difference in height on the eastern bank versus
20 the western bank, but topographically you should
21 be able to run the roadway right up along parallel
22 to the wetlands up to where you proposed it right
23 now. So I'm just curious as to why you're looking
24 at the area that's about a 60 foot wide width and
25 putting a lot of fill within the wetlands when

1 there's another area further north that you could
2 mitigate a lot of that activity.

3 THE WITNESS (Parsons): This is Brad
4 Parsons.

5 THE WITNESS (Gustafson): Let me start
6 and then you certainly weigh in. Thank you.

7 So the area that you're talking about,
8 Mr. Hannon, is, you know, essentially moving the
9 access road, cutting across the wetland, a little
10 bit north of this old stone foundation into a
11 narrow point -- (AUDIO DROPPED)

12 MR. SILVESTRI: Mr. Gustafson, for some
13 reason I lost you. I don't know what happened
14 with your audio.

15 MR. BALDWIN: Dean, can you hear us?

16 (No response.)

17 MR. BALDWIN: I'm sure this is a
18 brilliant answer.

19 MR. SILVESTRI: Attorney Baldwin, I
20 don't think he could hear you. I don't know if
21 you could shoot him an email or something to maybe
22 get his attention.

23 MR. BALDWIN: He's back. Hey, Dean.

24 THE WITNESS (Gustafson): Yes.

25 MR. BALDWIN: We lost that entire

1 answer. For some reason there was something that
2 was keeping your audio from coming through. Could
3 you go back to the beginning and wax poetic again,
4 please? I'm sorry.

5 THE WITNESS (Gustafson): Sure. Can
6 you hear me fine now?

7 MR. BALDWIN: Now we can.

8 THE WITNESS (Gustafson): Okay, great.
9 Sorry about that, folks.

10 So Mr. Hannon, what I believe you're
11 asking about is changing the proposed wetland
12 crossing to the north side of the old stone
13 foundation into a narrower point of that wetland
14 corridor.

15 MR. HANNON: Correct.

16 THE WITNESS (Gustafson): And we did
17 analyze that and looked at that. I consulted with
18 Brad Parsons, the head of our engineering group,
19 to see if we could make that crossing work and
20 minimize, you know, provide some minimization to
21 the direct wetland impact.

22 One of the main constraints we have
23 with that alternative crossing design is the
24 western property boundary is very close to that
25 portion of the wetland system, so that constrains

1 quite a bit where the access road can be located.
2 And then the resulting grades associated with that
3 alternative crossing would end up pushing some of
4 the fill material for that alternate access road
5 westward into that wetland system.

6 So even though the actual crossing
7 width is narrower because of that constraint to
8 the property boundary, the toe of bell slope for
9 that access road would actually result in greater
10 direct wetland impacts than the proposed crossing
11 location. And I'll let Brad provide his insight
12 into that alternative as well.

13 THE WITNESS (Parsons): I think that's
14 pretty good, Dean. This is Brad Parsons. That's
15 pretty good, Dean, I think, Mr. Hannon, unless you
16 have any further clarifications there. Again, I
17 think the last thing I want to add is to try and
18 make an almost 90 degree turn there, additionally,
19 that's another piece that is really just going to,
20 along with that additional bell slope along the
21 side there, cause actual additional impacts.

22 MR. HANNON: But the way that I was
23 sort of looking at it is the road, you know, a
24 crossing there could be somewhat diagonal. But
25 again, I'm just glad that you did, in fact, look

1 at it and tried to analyze it because of the
2 question I had just in terms of did we need this
3 much impact in the wetlands that you're currently
4 proposing. But knowing that you had gone back and
5 analyzed that other location, I feel a little bit
6 better. So that's basically all I have.

7 MR. SILVESTRI: Thank you, Mr. Hannon.
8 I'd like to continue with
9 cross-examination by Mr. Nguyen, please, at this
10 time.

11 MR. NGUYEN: Thank you, Mr. Silvestri.
12 Good afternoon, everyone. Allow me to
13 start with a follow-up question to Mr. Cheiban.
14 You testified earlier to Mr. Perrone's question
15 regarding 4G and 5G service. Is this tower ready
16 to provide 5G service, am I hearing that
17 correctly?

18 THE WITNESS (Cheiban): That is
19 correct. So, I mean, 5G can be deployed in
20 different frequency bands. And so on this one we
21 are deploying our usual, you know, 700 megahertz,
22 850 PCS, which is around 1900, and AWS which is
23 around 2100 megahertz.

24 MR. NGUYEN: In some other Cellco
25 applications before the Council they indicated

1 that they are capable of providing 5G but not yet
2 ready to provide 5G. So to the extent that one
3 tower is ready to provide it, could you
4 differentiate between why one is ready to provide
5 5G and the other is not?

6 THE WITNESS (Cheiban): It is a
7 combination of the hardware equipment that is at
8 the site and the software that's loaded onto it.
9 And, you know, we have quite a number of sites
10 that are ready to provide 5G. This specific one,
11 since it's being newly built, will basically get
12 the newest hardware and will be ready from the
13 get-go to do that.

14 MR. NGUYEN: So going forward, would we
15 see any future cell towers ready to provide 5G
16 services?

17 THE WITNESS (Cheiban): Yes, we are,
18 you know, we've upgraded quite a few of our sites,
19 and we are in the process of upgrading the
20 remaining ones.

21 MR. NGUYEN: My next question is
22 addressed to the panel, so anyone feel free to
23 jump in if you know the answer to them. Is this
24 proposed tower connecting to Windsor or
25 Wallingford mobile switching center?

1 THE WITNESS (Cheiban): It will go
2 through the Wallingford switching center and up
3 and -- I mean, our network is connected. There's
4 interconnection between the two locations, so, I
5 mean, there will be also a connection through
6 Wallingford to Windsor.

7 MR. NGUYEN: I see. And is that meant
8 for redundancy in case of a failure?

9 THE WITNESS (Cheiban): So we do have
10 redundancy built into our network, but that's
11 specifically it's just because of the way our
12 network is laid out. A lot of the, basically a
13 lot of the connections to the internet go through
14 Windsor or a different location.

15 MR. NGUYEN: In terms of the
16 Wallingford mobile switching center, other than
17 connectivity, what are the functions of this
18 switching facility, is it staffing at this
19 switching center as well?

20 THE WITNESS (Cheiban): I mean, we do
21 have an office there, and we have people who
22 monitor the network and do software upgrades and
23 things of that nature, but basically it is one of
24 the hubs in our network, like a number of our
25 sites go through it, and then, like I said, it is

1 interconnected with our other locations such as
2 Windsor and others, you know, it is basically like
3 one of the hubs where a large number of sites
4 connect through.

5 MR. NGUYEN: I see from the application
6 it indicated that there would be an underground
7 connection from the proposed site to the street.
8 Would that be fiber optic?

9 THE WITNESS (Cheiban): I think Jiazhu
10 may be a better person to answer that.

11 MR. BALDWIN: I was going to ask for
12 just some clarification. Are we talking about the
13 backhaul and the electricity, Mr. Nguyen?

14 MR. NGUYEN: I'm talking about the
15 connectivity between the cell towers to the
16 street. I believe there's talk about underground
17 facilities, so I suppose that includes power and
18 fiber optics?

19 MR. BALDWIN: I think either of our
20 engineers should be able to handle that one.

21 MR. SILVESTRI: Or if I could just
22 clarify. What are the underground connections
23 that are going from the proposed cell tower site
24 to the street?

25 THE WITNESS (Parsons): This is Brad

1 Parsons. We have both electrical and
2 telecommunications heading from the tower to the
3 street.

4 MR. NGUYEN: And is that fiber optic?

5 THE WITNESS (Parsons): Yes, it will
6 likely be fiber optic. It will ultimately depend
7 on the utility at that point in time because they
8 will be somewhat responsible for bringing that
9 into the site.

10 MR. NGUYEN: The application on page 7
11 and 8 indicated that the technician will be at the
12 site for the exercise once every two weeks for
13 approximately 30 minutes for the back-up
14 generator. The question is, what about the
15 overall maintenance of the tower, if any, or the
16 equipment on the tower?

17 MR. BALDWIN: You're on mute, Tim.

18 THE WITNESS (Parks): Sorry about that.
19 Generally, our operation technicians will visit a
20 site every couple weeks, and they'll maintain as
21 needed. There really is no set schedule for
22 visiting these. Did you have something more
23 specific?

24 MR. NGUYEN: I'm asking what is the
25 maintenance plans for the cell tower other than

1 maintain the back-up generator, what about the
2 cell tower itself and the equipment on the tower.

3 THE WITNESS (Parks): The tower itself
4 doesn't necessarily require maintenance as far as
5 I understand. And the cell techs don't actually
6 do the tower maintenance. The equipment is
7 maintained as needed. Rarely do we swap out
8 equipment because it's underperforming. That
9 would be a rarity. That's really all I can say.

10 MR. NGUYEN: In other applications it's
11 my understanding that you would send a technician
12 out once every month just for the purpose of, you
13 know, maintenance purposes.

14 THE WITNESS (Cheiban): So they do --
15 sorry, Tim. Can I just jump in for a second?

16 So they do go and do preventive
17 maintenance, and I'm not sure what the schedule is
18 nowadays for that. I think it used to be once
19 every six months for the equipment. And then we
20 monitor the network, you know, 24/7. If anything
21 is failing or is experiencing any issues, then we
22 have somebody go out and replace it or fix it, you
23 know, as soon as possible.

24 MR. NGUYEN: And in that scenario, you
25 would send technicians from the Wallingford

1 switching center or is it going to be --

2 THE WITNESS (Cheiban): Well, no, I
3 mean, we basically, the technicians are assigned
4 different areas, and they are typically pretty
5 local to where they're assigned so that they can
6 reach the sites, you know, faster. And so either
7 one of our technicians would go there, or if it's
8 something that requires climbing the tower, then
9 we'd have a contractor that specializes in this
10 that would go out and perform that maintenance or
11 fix whatever is broken.

12 MR. NGUYEN: In terms of the
13 contingency plans, to the extent that -- and
14 hopefully it's not going to happen -- but with
15 respect to contingency plans, has the company
16 consulted or has the local town's responders
17 communicated with the company in case of an
18 emergency?

19 THE WITNESS (Cheiban): I'm not sure I
20 understand the question.

21 MR. NGUYEN: In terms of -- go ahead.

22 THE WITNESS (Cheiban): I'm sorry. Can
23 you be more specific?

24 MR. NGUYEN: Yes. With respect to
25 emergency or contingency plan, in the case of

1 failure or any structure or anything that could
2 happen to the cell tower, has there been any
3 communication with the local responders that could
4 in the case of emergency that they will be the
5 first ones maybe at the site?

6 THE WITNESS (Cheiban): So are you
7 asking in case the tower fails, like it has a
8 structure failure?

9 MR. NGUYEN: Of anything that could
10 happen to this cell tower. Is there any
11 communication between the company and the local
12 fire department, police?

13 MR. BALDWIN: Just so we try and
14 understand. If there's some equipment failure or
15 other problem with the cell site, does Verizon
16 have a plan in place where it alerts the
17 municipality, in particular, about a site being
18 either offline or impacted by some event. Does
19 that sum it up, Mr. Nguyen? I'm not sure I
20 understand either, but does that sum up your
21 question?

22 MR. NGUYEN: Well, part of it. To the
23 extent that in case of a catastrophe that could
24 happen to the cell tower, has there been any
25 communication with the towns, for example, you

1 know, in case of an extreme emergency that they
2 could be the one that will be there? That's kind
3 of the information I'm looking for.

4 MR. SILVESTRI: Let me try to help on
5 that too. Attorney Baldwin, I think what you
6 mentioned was part of what Mr. Nguyen was looking
7 for. I'd also put it in context to say, okay, has
8 there been communication with the town regarding
9 any type of security breach that you might pick up
10 or in the event of some type of a fire has there
11 been communication with the town as far as a fire
12 response. I think that's what Mr. Nguyen is
13 looking for in addition to what you mentioned,
14 Attorney Baldwin.

15 MR. BALDWIN: Okay. So I think it's
16 probably best for you, Tim, if there is some type
17 of breach in security as it relates to the
18 facility, maybe you can talk about the alarm
19 systems and what happens if there is an alarm
20 triggered. And then if there happens to be a fire
21 at the site what the systems or the process would
22 be for Verizon technicians to notify local
23 authorities.

24 THE WITNESS (Parks): Typically, if we
25 have an alarm at a site, our operations technician

1 will visit the site immediately. If it's a fire,
2 we believe it's a fire, they would contact the
3 local fire department. If it's a breach of
4 security and someone is within our compound, they
5 would immediately call the police department.
6 That actually happens often due to the number of
7 copper thefts we've had in the past. We don't
8 have that much copper there anymore, but something
9 similar to that.

10 Beyond that, I don't think we're in
11 contact too often with the municipalities. I'm
12 trying to think if there's any other catastrophic
13 failures. None that I can think of.

14 THE WITNESS (Cheiban): So the sites
15 are monitored 24/7 by a network operations center.
16 And if they detect anything like that happening,
17 they have a path to escalate to the right
18 authorities.

19 MR. SILVESTRI: Mr. Nguyen, I don't
20 know if that answered your question or not, but
21 I'll pose my question to you if that answered your
22 question or not.

23 MR. NGUYEN: Yes, it did, Mr.
24 Silvestri. Thank you.

25 Would this proposed cell tower

1 eliminate the need for small cell applications
2 with PURA?

3 THE WITNESS (Cheiban): Not
4 necessarily. So we use small cells mostly in
5 addition to our macro cell sites when we have a
6 specific need in an area for additional capacity
7 or, you know, there's a very small area that needs
8 coverage enhancement then we would supplement the
9 larger cells with a small cell.

10 MR. NGUYEN: Are there any pending
11 small cell applications in this area before PURA?

12 THE WITNESS (Cheiban): Off the top of
13 my head, I do not know. I need to look that up.
14 I need to research it and get back.

15 MR. NGUYEN: Okay. I have nothing
16 further, Mr. Silvestri. Thank you.

17 MR. SILVESTRI: Thank you, Mr. Nguyen.
18 I'd like to continue cross-examination
19 of the applicant by Mr. Edelson at this time,
20 please.

21 MR. EDELSON: Thank you, Mr. Silvestri.
22 I just want to button up one thing that
23 Mr. Nguyen brought up on 5G. So converting to 5G
24 for this macro site would require no additional
25 equipment, hardware wise, to go forward, it's

1 basically completely set to go to 5G with the
2 exception of maybe software that you need to
3 install which I assume can be done remotely. Is
4 that correct?

5 THE WITNESS (Cheiban): That is
6 correct, yes.

7 MR. EDELSON: I'm going to jump around
8 a little bit here because a lot of my questions
9 have been answered, so I apologize for that. On
10 the photo log which again was very, very helpful
11 to understand the site and the configuration,
12 number 12, photo log picture number 12 -- I'll
13 give you a second to get there -- there was some
14 color in there, and I couldn't -- and they weren't
15 labeled. They almost looked like flags to me, but
16 then again, it could have just been more colorful
17 foliage. So I was wondering if those were wetland
18 flags or any other marker to understand that
19 picture. It's sort of towards the bottom on the
20 right of center, if you will.

21 THE WITNESS (Gaudet): Are you looking
22 just to the left of that big tree there?

23 MR. EDELSON: Yeah, right.

24 THE WITNESS (Gaudet): I believe those
25 are some leaves, or it looks like foliage to me.

1 I don't believe they're markers. If you zoom in
2 close on them, you can make it out a little bit
3 better.

4 MR. EDELSON: No indicators or flags of
5 any sort, okay. Thank you for that.

6 So I also want to circle back a little
7 bit to questions of capacity that Mr. Morissette
8 started us off with, I believe. If I understand
9 the response to the Interrogatory Number 22, there
10 you refer to dropped calls that they were above
11 normal. That seemed to be the metric you were
12 using for saying you're at capacity versus what I
13 believe Mr. Morissette was getting at and you were
14 answering which was megabits per second.

15 So I want to understand the difference.
16 Are you really looking at dropped calls, or are
17 you looking at more of what I think we were
18 calling throughput when you determine that you're
19 at capacity?

20 THE WITNESS (Cheiban): So for capacity
21 we look at the throughput which is megabit per
22 second, the average throughput that the users get.
23 I believe we were asked in the interrogatory if
24 the dropped call rate on the existing site was
25 above normal and if the new site would help

1 improve that. And our answer was yes to both,
2 that the dropped call rate was above normal on the
3 existing site, and the new one would help solve
4 that problem.

5 MR. EDELSON: So looking back in terms
6 of public need, when did this become obvious to
7 Cellco that this capacity constraint was upon you?
8 And I assume that it already exists. This is not
9 a forecast, this is where we are today.

10 THE WITNESS (Cheiban): That is
11 correct. So we've known -- so we run forecasts on
12 a regular basis, I believe every three months or
13 maybe even monthly, and we evaluate which sites
14 will need capacity additions in the future. So we
15 initiated this project a while back, but at this
16 stage, you know, I guess we didn't move fast
17 enough, and we are currently above the design
18 capacity of the existing site at Waterbury.

19 MR. EDELSON: And I think this has been
20 a perennial problem for everybody in this business
21 that demand is growing sometimes faster than the
22 expectation. And I think we all can follow that
23 with COVID the amount of people doing Zoom as one
24 particular example has just exploded as far as
25 demand.

1 My question is in terms of your design
2 how much future growth have you allowed for, in
3 other words, we don't want you to come back in six
4 months and say, well, you know, we met the demand
5 but now demand has, once again, been exceeded. So
6 I'm trying to get a little bit better sense of how
7 you're dealing with future growth at this site.

8 THE WITNESS (Cheiban): So, I mean,
9 when we design a new site, we make sure that we
10 are addressing the capacity need for the
11 foreseeable future. And, you know, we don't
12 foresee coming back, certainly not within --
13 definitely not within six months to ask for
14 another site, but, you know, as you mentioned, the
15 traffic is growing exponentially and we run these
16 forecasts on a regular basis. It could be, I
17 don't know, and I'm purely guessing, but it could
18 be at some point in the future that we do see a
19 need for additional sites, but at the present
20 moment we do not see that need.

21 MR. EDELSON: So that's why page 13 in
22 the application caught my eye. I think the term
23 was the proposed cell site would be part of the
24 system design to limit the need for additional
25 cell sites in the future. And I guess I'd like

1 you to expand on that, how this particular site is
2 going to do that when, as I see it, most of the
3 need comes from the users which is growing
4 quickly. What actually is unique about this site
5 that causes you to say this system is designed to
6 limit the need for additional cell sites?

7 THE WITNESS (Cheiban): So it's not
8 unique to the cell site. It's in general like our
9 design philosophy is to try to put the sites in
10 the best locations at the best elevation that we
11 can get so that we can address the long-term need
12 versus, you know, picking a fair location which
13 wouldn't address the need in an as comprehensive
14 manner.

15 MR. EDELSON: I'm not really sure.
16 Those were a lot of good words, but I'm not sure I
17 really follow how we're not going to find
18 ourselves back here with more need, more capacity
19 need. Is there anymore you can --

20 THE WITNESS (Cheiban): So I think the
21 only thing I can say is we try to plan these for
22 the long term. As you know, these take a long
23 time to search for a site, you know, go through
24 the application process, et cetera, and they are
25 also costly. So, you know, we don't really want

1 to be building a lot more sites. So what we try
2 to do is in order to minimize the number of sites
3 we build is to try to put them in the right
4 locations at the right elevations and so on so
5 that we don't have to come back and be
6 continuously going through that process and
7 continuously expending more capital into our
8 network.

9 MR. EDELSON: So that leads me to a
10 topic, and I'm just seeing if there's been anymore
11 development here that you can share with us. But,
12 as I've said before, coverage maps are easy for us
13 to understand. Capacity maps or some metric or
14 some visual way to see that your plan is to give
15 us the coverage that customers are requiring, and
16 I think we've all come to understand that means
17 more in the area of video, have you come up with
18 any metric that we can use together to understand
19 what the capacity need that's going to be met by
20 this tower in the area?

21 Do you understand what I'm trying to do
22 is distinguish between coverage, which we've seen
23 the maps and they're easy to relate to, but I'm
24 not seeing the same kind of way to understand the
25 words you're saying pictorially in terms of

1 capacity that is being delivered.

2 THE WITNESS (Cheiban): Right, I
3 understand the question. Unfortunately, I don't
4 have a great answer for you. So, the site has a
5 given aggregate capacity in megabits per second,
6 you know, we can make up a number. Let's say it's
7 whatever, 2,000 megabits per second, it's actually
8 higher than that, but just to pick a number, and
9 the usage is distributed throughout the coverage
10 footprint and the usage changes as people move.
11 So it's difficult to pictorially, you know, it's
12 not, these are not fixed locations, and the need
13 changes during the day. So it's hard for us to
14 represent it graphically that, you know, this is
15 where the need is because it is, you know, it is
16 constantly changing and it varies during the day.
17 And I don't have a good way of giving you a
18 graphic representation of it.

19 MR. EDELSON: Well, thank you for your
20 honesty on that. It does sound like a complicated
21 issue to try to boil down and say here's what
22 we're trying to achieve and then how to basically
23 measure that and display it, but don't give up
24 because we need that, I think.

25 Since this application has two users,

1 two providers who are probably going to be here,
2 it's a good opportunity for me to sort of clarify
3 the difference between what Verizon refers to as
4 Federal E911 and what I believe AT&T refers to as
5 FirstNet. I was wondering if somebody can help me
6 understand the difference between the two, and
7 more importantly, if there's any way that they
8 interconnect to make sure that if one provider in
9 this area went down, is it easy for the first
10 responders to move seamlessly to the other, or are
11 these very distinct offerings that don't connect?
12 Can somebody speak to that?

13 THE WITNESS (Cheiban): I think I would
14 rather leave the FirstNet question to the portion
15 of the hearing where AT&T is responding. The E911
16 is basically a mandate from the FCC that we, if a
17 user dials 911, that we provide an approximate
18 location of where they are, and we are compliant
19 with that, as I believe are all the other
20 operators.

21 MR. EDELSON: So just to make a worst
22 case here, if we have both providers on this tower
23 and for some reason AT&T lost its connection,
24 FirstNet would not be available into the new
25 coverage area?

1 THE WITNESS (Cheiban): So FirstNet is
2 basically a network that is designed for first
3 responders. And, like I said, I would rather
4 leave the details of that to AT&T. But we also
5 have first responders as users on our network, but
6 they're basically -- it's not part of FirstNet.

7 MR. SILVESTRI: Mr. Edelson, definitely
8 keep the questions in mind when we do have
9 cross-examination of the intervenor.

10 MR. EDELSON: I will do my best. So
11 this next one is probably a very simple one for
12 All-Points Technology. Maybe my eyes are going,
13 but in the interrogatories you included the
14 viewshed maps that got lost -- or not lost but
15 left off initially. And I for the life of me
16 couldn't figure out what the difference between
17 the two of them were as far as what they're trying
18 to portray. They both look to me like the same
19 area and the same legend, but they look
20 differently, but I wasn't sure why. So maybe a
21 word or two about those two maps would help me
22 out.

23 THE WITNESS (Gaudet): Yes. So the two
24 viewshed maps is the same area covering the some
25 footprint, the same photo log locations. The

1 difference is one is just an aerial so you can see
2 the surrounding features. The other is a
3 topography.

4 MR. EDELSON: So it's more like the
5 base map or the base picture.

6 THE WITNESS (Gaudet): Correct.

7 MR. EDELSON: I was looking at
8 everything but that.

9 Okay. Mr. Silvestri, I think that's
10 all the questions I have right now. Thank you.

11 MR. SILVESTRI: Thank you, Mr. Edelson.
12 Actually, you posed a question, received an
13 answer, but there's a definition, I think, that
14 would help with the questions that you had.

15 Mr. Cheiban, I believe you mentioned
16 foreseeable future. Could you define foreseeable
17 future?

18 MR. EDELSON: Tomorrow.

19 THE WITNESS (Cheiban): That is a great
20 question. So we do our forecasts typically a year
21 in advance, but we do look at the longer term than
22 that. So off the top of my head, I can't tell you
23 exactly, but let's say it's within the one year to
24 two year time frame.

25 MR. SILVESTRI: Okay. Thank you.

1 Mr. Edelson, does that also help you
2 with the line of questioning that you had?

3 MR. EDELSON: Thank you very much. And
4 it would be good to get some more specifics, I
5 think, at some point maybe. It's not related to
6 any particular tower, but it's a better feeling
7 overall that we've got a network that people could
8 ride into the future. And as I say, and I think
9 we're all seeing it, the growth is pretty
10 phenomenal and the variability in terms of
11 performance that I think we're seeing throughout,
12 probably throughout the nation, can vary so much
13 that you can use your wireless connection and it
14 be excellent one hour and the next hour it's not.
15 And I think this is a real problem for people in
16 terms of how they can rely on these systems and
17 say what's the performance. I realize it's a very
18 difficult area because the usage patterns are
19 changing sort of beneath our very feet as we
20 speak. So thank you.

21 MR. SILVESTRI: Very good. Thank you,
22 Mr. Edelson.

23 I'd like to continue our
24 cross-examination of the applicant this time by
25 Mr. Lynch, please.

1 MR. LYNCH: Can you hear me,
2 Mr. Chairman?

3 MR. SILVESTRI: Absolutely.

4 MR. LYNCH: I just want to let you know
5 that the powers that be down in Washington have
6 called a teleconference for 4 o'clock, so I will
7 be leaving at 4 o'clock, but I'll get all my
8 questions in before then.

9 MR. SILVESTRI: Very good. Thank you,
10 Mr. Lynch.

11 MR. LYNCH: As far as the capacity
12 issue that Mr. Edelson has been talking about,
13 this has been an issue for the last, you know,
14 number of years once we got through dealing with
15 coverage gaps. Now, is it fair to say that the
16 demand for capacity that Mr. Edelson was talking
17 about is going to be the new norm for the future
18 in your network? I've heard it said that the data
19 coming is going to be like a tsunami for telecom.
20 Is that fair to say?

21 THE WITNESS (Cheiban): It is
22 increasing, you know, at a very rapid pace, that
23 is true.

24 MR. LYNCH: A couple other -- most of
25 my questions have been answered, but I'd just like

1 to get a follow-up to a few things. I didn't
2 really understand the answer to Mr. Perrone on the
3 yield point within the tower. Could someone go
4 over that again? And I guess I'd really like to
5 know is how is the yield point determined on a
6 cell tower?

7 MR. BALDWIN: Thank you, Mr. Lynch. I
8 was actually going to follow up and ask Mr.
9 Parsons to address that question because I think
10 Mr. Perrone was simply asking for a height above
11 ground level where that yield point would be, and
12 I think that may have gotten lost in the last
13 discussion.

14 So Mr. Parsons, if you could address
15 Mr. Lynch's question, that would be great.

16 THE WITNESS (Parsons): Yeah. So the
17 yield point on a tower can obviously be determined
18 in a multitude of different ways. And I think
19 where Mr. Perrone was looking for here is what we
20 would define in the parameters for the tower
21 design that a yield point would have to be at a,
22 you know, minimum height above grade to ensure
23 that, you know, any failure of the tower would
24 stay on property. In this case the closest point
25 property line is approximately 99 feet to the

1 east. Assuming that we give a 5 foot buffer
2 between the property line and the top of the tower
3 there, you'd be looking at a minimum yield point
4 of 26 feet above grade at the tower location.

5 MR. LYNCH: So that sounds like it's a
6 geometric formula.

7 THE WITNESS (Parsons): Yeah, in this
8 case it's a geometric formula to understand where
9 the, if there was a failure point in the tower,
10 where that failure point is based on the loading
11 parameters, or once you get above loading
12 parameters.

13 MR. LYNCH: Now, this is a follow-up
14 question, but more of something I was, more of a
15 curiosity question. Within your network, AT&T,
16 Cellco, has there ever been a tower where the
17 yield point has come into play rather than the
18 tower falling over on its own?

19 MR. BALDWIN: If I could, the question
20 is, is anyone on our team aware of towers failing
21 either at the yield point or at some other point
22 on the structure?

23 MR. LYNCH: Yes, Attorney Baldwin.

24 THE WITNESS (Jiazhu): As far as my
25 knowledge, I see there are cases that can happen

1 to towers. It really depends on what kind of
2 situation is going on. The tower can be totally,
3 can break in the middle half or flip over. If the
4 tower is really badly designed, it can tip over
5 from the bottom of the tower.

6 MR. BALDWIN: Let me just ask Mr. Parks
7 or Mr. Cheiban, are you aware of any structures in
8 your network that have failed in the respect that
9 Mr. Lynch is speaking of?

10 MR. LYNCH: Attorney Baldwin, I guess I
11 should preface that I'm talking about monopoles
12 and not lattice towers.

13 THE WITNESS (Cheiban): I'm not aware
14 of any that have failed in Connecticut. But going
15 back to the discussion of the yield point, it's
16 basically these are calculated in case the
17 monopole is, you know, say close to a property
18 line or to another, say, a road or anything like
19 that where it's not desirable to have the tower
20 fall within that -- outside a certain footprint if
21 it fails. So the yield point is designed to make
22 it, you know, in case it's going to fail, make it
23 fail and fall in a smaller footprint.

24 MR. LYNCH: I understand the purpose of
25 the yield point. I'm just trying to figure out

1 how it's actually determined. Thank you.

2 Interrogatory Number 8, the extension
3 of the tower from 20 feet. Could it be extended
4 beyond that 20 feet?

5 MR. BALDWIN: Mr. Parsons.

6 THE WITNESS (Parsons): Could you
7 repeat that question?

8 MR. LYNCH: In interrogatory, I think I
9 have it down as number 8, you talk about the tower
10 being able to be expanded by 20 feet. My question
11 is, can it be extended beyond 20 feet so you're
12 going up to 160 or 180 at some point?

13 THE WITNESS (Parsons): I don't think
14 the intent at this time is to extend or have any
15 additional --

16 MR. LYNCH: That's not my question.

17 THE WITNESS (Parsons): Okay.

18 MR. LYNCH: My question is, can it be
19 expanded if you have a new carrier that comes
20 along and wants to be at 160 feet?

21 THE WITNESS (Parsons): Likely not.
22 The tower itself would not be designed to that
23 capacity. It would only be designed for the
24 additional 20 feet, as mentioned.

25 MR. LYNCH: Thank you. That's what I

1 wanted to know.

2 Now, Interrogatory Number 20 deals with
3 in-vehicle and in-building coverage. My question
4 becomes what's your priority, in-building now, or
5 are you still in-vehicle?

6 THE WITNESS (Cheiban): Depending on
7 the area, I mean, if there are residences or
8 businesses, our priority would be in-building. If
9 there are no residences or no buildings, then
10 obviously in-vehicle would be sufficient.

11 MR. LYNCH: Okay. Thank you. Question
12 Number 9 in the interrogatories talks about, you
13 know, security and damage to your site by humans.
14 Have large animals ever intruded on your sites in
15 the past, be it bears or moose or deer or anything
16 like that?

17 THE WITNESS (Parks): I'm not aware of
18 any animals that have entered our compound,
19 especially large animals, not that I'm aware of
20 and anywhere in New England.

21 THE WITNESS (Cheiban): I've actually
22 seen more damage from small animals like rodents.
23 I'm not aware of any damage by large animals.

24 MR. LYNCH: Thank you. This is just
25 another question I have an interest in. In your

1 marketing, your advertising on television, radio,
2 and not only yours, but other carriers as well,
3 they talk about 5G, which I'll get into a little
4 bit more later, but they talk about, you know,
5 increasing the speed. Now, by basic physics how
6 do you increase the speed for different
7 frequencies?

8 THE WITNESS (Cheiban): So there are
9 two basic ways that we can increase the speed or
10 the capacity of a site is, one, by deploying
11 additional frequency bands, and the other is by
12 deploying additional sites, whether they be small
13 cells or regular cell sites. And these are
14 basically the two ways. I mean, the other thing
15 that happens is sometimes the technology itself
16 improves such as going from 3G to 4G or 4G to 5G.
17 Those have, you know, the way the signal is
18 modulated, you know, there are improvements in the
19 process, and that also yields a throughput
20 increase or a megabit per second increase.

21 MR. LYNCH: So basically you're not
22 really increasing the speed of the frequency,
23 you're just adding more available capacity for it?

24 THE WITNESS (Cheiban): That's correct.
25 I mean, so typically each operator will have a

1 certain amount of spectrum, a certain amount of
2 frequencies in each area, and they're not
3 always -- you know, it could be that we start with
4 a certain amount, and then either we gain
5 additional spectrum through an FCC option or
6 through some other means, and we can deploy
7 additional frequency which requires additional
8 equipment, and that will yield an increase in the
9 throughput overall on the site and the users are
10 served by it.

11 MR. LYNCH: I think I have it now.
12 Thank you. I forget which question it is, but one
13 of the interrogatories deals with dropped calls.
14 Now, are dropped calls measured by not being able
15 to complete the call or not being able to deliver
16 the data that is involved?

17 THE WITNESS (Cheiban): So we use the
18 same network in 4G for the voice and the data, and
19 when we refer to dropped calls, we are referring
20 to the voice which is going over the same network.
21 It's basically being transmitted as data. And we
22 do measure both the dropped calls and the
23 ineffective attempts which is when somebody tries
24 to make a call and for whatever reason cannot get
25 through like there is congestion on the site or

1 there's some other, like the signal is impaired,
2 it's in a poor coverage area. We measure both.

3 MR. LYNCH: So it doesn't impact
4 streaming of data or anything like that?

5 THE WITNESS (Cheiban): No, that one we
6 would measure through the average megabit per
7 second that is seen by the users.

8 MR. LYNCH: I'm going to switch over to
9 back-up power for a second. And this question was
10 asked a long, long time ago by former
11 commissioner, Mr. Emerick. How do you determine
12 for a site what size generator is needed and what
13 type of fuel is actually going to be used?

14 THE WITNESS (Parks): Well, our
15 generators are typically 30 kW generators with 500
16 gallon tanks.

17 MR. LYNCH: So that's just for your
18 site the generator. But if you have to share a
19 site with AT&T, would the size of the generator
20 change and would the fuel supply change?

21 THE WITNESS (Parks): We might increase
22 to 1,000 gallon tank. The problem is when you
23 increase it, you take up additional space within
24 the compound, the spark zone would increase due to
25 the size of the tank. So we'd rather not take up

1 additional space, but if we had to, the -- I'm
2 sorry, there was a second part of your question.
3 I think it had to do with how it was powered. Is
4 that what it was?

5 MR. BALDWIN: Would you have to
6 increase the size of the generator to accommodate
7 both carriers.

8 THE WITNESS (Cheiban): And how do we
9 decide on which fuel to use.

10 THE WITNESS (Parks): Which fuel
11 would -- it can be decided whether or not there is
12 a wetlands within a certain proximity, whether
13 propane or natural gas is available.

14 MR. LYNCH: Mr. Parks, you just went
15 ahead and answered my follow-up question. If
16 natural gas was available, would it be used,
17 utilized?

18 THE WITNESS (Parks): It could be used.
19 I couldn't guarantee that we would, but it could
20 be used, yes.

21 MR. LYNCH: And you also answered the
22 question I had about the size of a 500 gallon tank
23 versus 1,000 gallon tank. And that's primarily,
24 you know, for utilization of space?

25 THE WITNESS (Parks): Yes, I will say

1 it is.

2 MR. LYNCH: Again, I forget which
3 interrogatory this was. But as far as back-up
4 power lasting for eight hours, we have heard
5 testimony in the past that if there's an emergency
6 and the generators haven't kicked in and the
7 batteries are operating on full capacity that
8 there's no way they're going to last for eight
9 hours. Would you agree with that?

10 THE WITNESS (Parks): No, that's not
11 true. Some sites have multiple batteries. So
12 they are engineered to last up to eight hours. If
13 a site that is very busy goes down, it could last,
14 it could be less than that. But it can last up to
15 eight hours. Some sites have multiple batteries
16 which will allow it to go longer than that. That
17 said, if there was a generator at the site, the
18 batteries only, will only run for about five or
19 ten minutes once there's an outage to allow the
20 generator to start up. Once the generator is up
21 and running, the battery switches off and the
22 generator takes over.

23 MR. BALDWIN: Just for the record
24 purposes, Mr. Lynch, that's Interrogatory Number
25 31.

1 MR. LYNCH: Okay. I'm old. I'm
2 forgetting these things.

3 MR. BALDWIN: I understand. It will
4 help me with the brief later though.

5 MR. LYNCH: Now, my last question has
6 to do with pre-storm preparation as far as your
7 cell site is concerned. If we know there's a
8 hurricane coming, a blizzard, a nor'easter, are
9 there any special preparations that would be made
10 for this site and others on your network, you
11 know, topping off fuel, checking the generators
12 operating correctly, make sure all cables are
13 secure, is that being done, or is that going to be
14 done?

15 THE WITNESS (Parks): Well, we do that.
16 We try to fill up our generators, you know, top
17 them off, as you mentioned. We do that to a
18 point. As you're aware, we do have hundreds of
19 sites in Connecticut, so we do as much as we can.

20 MR. LYNCH: I understand that, but my
21 question is, is there a plan for doing this type
22 of maintenance pre-storm; and if there is, you
23 just mentioned, Mr. Parks, you have hundreds of
24 sites, do you prioritize them?

25 THE WITNESS (Cheiban): I can answer

1 part of this question. So first of all, the
2 generators are checked on a regular basis, I think
3 every two weeks, to make sure that they start up,
4 that they have fuel, et cetera. That's regardless
5 of whether there's a storm coming or not. If
6 there is a big storm coming, what we do is we
7 stage resources to be able to deploy them quickly
8 when we need them, like if we need to refuel, if
9 we need to deploy additional generators, we
10 basically pull resources from one region into the
11 region that is affected. Basically we borrow
12 resources from other regions, and we stage those
13 so that we are ready to act whether during the
14 storm or after the storm to restore service as
15 quickly as possible or ideally to not even lose
16 service.

17 MR. LYNCH: Thank you for your answers.

18 Mr. Silvestri, those are my questions,
19 and as I said, sometime around 4 o'clock I will
20 have to leave.

21 MR. SILVESTRI: Very good. Thank you
22 Mr. Lynch.

23 I have a few follow-ups that I'd like
24 to pose. Mr. Lynch actually took the one for the
25 shared generators and the larger tanks. But going

1 back to Mr. Morissette when he had referenced page
2 12 and how many carriers that there possibly could
3 be, the question I have is that there's going to
4 be a certain amount of separation between your
5 carriers, whoever might come onto that tower. And
6 would the lowest carrier be, say, limited by
7 terrain? I mean, is there a point that you get
8 down on that tower that maybe number three is
9 limited by the terrain as far as what type of area
10 it could cover, and does that possibly prohibit a
11 number four on that tower?

12 THE WITNESS (Cheiban): So that will
13 depend on the frequencies that is owned by that
14 carrier. The lowest frequencies propagate farther
15 out than the higher frequencies. And I think it
16 was mentioned that the tower -- so if going below
17 is not suitable, I think it was mentioned that the
18 tower is designed to accommodate a 20 foot
19 extension, which would allow them then to go
20 above.

21 MR. SILVESTRI: Fair enough, okay. I'm
22 not sure if this was actually in the
23 application -- new question here -- but let me
24 pose this one. The way the site is being
25 proposed, is the westerly bend in the access road

1 positioned to avoid a steeper slope in topography,
2 as opposed to having a more direct road come right
3 to where the compound would be?

4 THE WITNESS (Parsons): This is Brad
5 Parsons, Mr. Silvestri. That is correct, the
6 access road was designed with the bend in mind to
7 avoid the steeper topography and ledge that is on
8 site there as well.

9 MR. SILVESTRI: Very good. Thank you.
10 I couldn't quite pick that up, which is why I
11 posed the question. Thank you.

12 I'd like to turn to Interrogatory
13 Number 16, I believe. Let me make sure I have it,
14 yes. In the response to Interrogatory 16, it has
15 "The initial deployment plan for the Wolcott South
16 Facility does not include the installation of 5G
17 technology, however certain frequencies may be
18 reused for 5G services in the future."

19 I thought we answered that this is
20 going to have 5G from the beginning, or did I miss
21 something?

22 THE WITNESS (Cheiban): You are
23 correct, it will have 5G. It is 5G capable. They
24 just need to deploy the software to enable that.

25 MR. SILVESTRI: Then when you have

1 certain frequencies may be reused for 5G services,
2 how do you reuse a frequency for a 5G service?

3 THE WITNESS (Cheiban): What we're
4 currently doing, we're actually sharing the
5 frequencies between 4G and 5G, and I believe that
6 is the plan for the next few years.

7 MR. SILVESTRI: So when you would
8 change it, would you get rid of the 4G?

9 THE WITNESS (Cheiban): No, they would
10 both be active on the site. We are currently
11 using something called dynamic spectrum sharing
12 which allows us to share the same frequency bands
13 between the two technologies depending on the
14 usage. That may change at some point where we
15 dedicate certain bands for one technology and
16 other bands for, you know, say, certain bands for
17 5G, other bands for 4G, but what we're currently
18 doing is dynamic spectrum sharing.

19 MR. SILVESTRI: Okay. Thank you. A
20 new topic for you, and this goes to the response
21 to question Interrogatory Number 29. It uses the
22 term "beamforming." Could you explain beamforming
23 for me?

24 THE WITNESS (Cheiban): Yes. So these
25 antennas and the equipment that is there have

1 multiple antenna elements that can transmit. And
2 by altering the timing between -- so if you send
3 the signals with all the same timing, it will
4 create a certain beam like a wider beam pattern.
5 If we alter the software and the hardware in that
6 equipment, it has the ability to alter that so
7 that it can by changing the timing essentially
8 steer the beam into a certain direction, and that
9 basically is done to accommodate, like to
10 basically point the beam where certain users are,
11 and that's what beamforming is.

12 MR. SILVESTRI: So beamforming would be
13 more directional, would that be correct?

14 THE WITNESS (Cheiban): Yes.
15 Essentially, it is able to take that wider beam
16 and create a narrower beam directed at certain
17 users.

18 MR. SILVESTRI: Got you. Thank you.
19 And I think my last question goes back to
20 Interrogatory Number 50 and your response there
21 that you would not propose any type of secondary
22 containment for a propane fuel tank which I'll
23 agree with. But my question is, do you have
24 secondary containment for the generator itself and
25 any oils or fluids that the generator would have?

1 MR. BALDWIN: Any takers on that one?

2 THE WITNESS (Parsons): This is Brad
3 Parsons. I don't think we have anything specific
4 proposed for the generator itself as far as
5 secondary containment is concerned other than
6 anything that may be built in as part of the
7 generator.

8 MR. SILVESTRI: So for the most part,
9 you might be looking at the generator manufacturer
10 to have the secondary containment for that, would
11 that be a good enough statement?

12 THE WITNESS (Parsons): That would be
13 an accurate statement, Mr. Silvestri.

14 MR. SILVESTRI: Very good. Thank you.
15 I have 3:50 on the clock. And I do want to give
16 our Council members an opportunity to go back as
17 questions and answers might spur more questions
18 and answers. Before we do that though, why don't
19 we take a 15 minute break, come back at 4:05, and
20 then we could resume to make sure that our Council
21 members don't have any additional questions, and
22 then we could continue cross-examination of the
23 applicant by New Cingular Wireless and Attorney
24 Patrick.

25 So let's reconvene at five minutes

1 after 4. Thank you.

2 (Whereupon, a recess was taken from
3 3:50 p.m. until 4:05 p.m.)

4 MR. SILVESTRI: Okay. Ladies and
5 gentlemen, I have 4:05 p.m. And just before we
6 resume, I want to make sure that we have our court
7 reporter on.

8 THE COURT REPORTER: Yes.

9 MR. SILVESTRI: Super. Thank you,
10 Lisa.

11 Again, as mentioned before our break, I
12 did want to go back to our staff and Council
13 members just to see if they had any follow-up
14 questions based on what we asked and learned in
15 the process.

16 Mr. Perrone, any additional questions?

17 MR. PERRONE: Just one. Mr. Parsons,
18 when you mentioned a potential yield point, you
19 said a height of roughly 26 feet. With a yield
20 point at that height, what would be the mechanism
21 though of the yield point, would you just
22 overdesign from zero to 26 or just how would that
23 work?

24 THE WITNESS (Parsons): Mr. Perrone,
25 yes -- this is Brad Parsons -- I believe that

1 would be the case. It would just be an overdesign
2 from zero to 26 to make sure that that yield point
3 is at a point greater than 26 feet in height. So
4 it may be upsizing of the steel to ensure that.

5 MR. PERRONE: Thank you. That's all I
6 have.

7 MR. SILVESTRI: Thank you, Mr. Perrone.
8 Mr. Morissette, any additional
9 questions?

10 MR. MORISSETTE: Thank you, Mr.
11 Silvestri.

12 At the risk of beating something to
13 death here, I'm going to ask some questions about
14 capacity. This is the first application that I've
15 been involved with that has had detailed
16 discussions on capacity, so I find it intriguing,
17 and I'd like to further understand it.

18 This particular tower has a certain
19 throughput associated with it. Would you
20 correlate that to be the capacity of the tower?

21 THE WITNESS (Cheiban): That's correct,
22 we typically think of it in terms of the capacity
23 of each sector of that tower.

24 MR. MORISSETTE: Each sector, okay.

25 THE WITNESS (Cheiban): Yeah. And the

1 potential aggregate throughput that it can
2 deliver.

3 MR. MORISSETTE: Okay. So you
4 mentioned a 2,000 megabit per second throughput.
5 What is the actual throughput of the sectors on
6 this particular site?

7 THE WITNESS (Cheiban): I would have to
8 look that up. I don't have the number off the top
9 of my head. I can research that and get back to
10 you.

11 MR. MORISSETTE: Okay. Well, let's use
12 the 2,000 value that you threw out. I'm trying to
13 understand the concept, not really the particulars
14 of this site. So let's assume it's 2,000, for
15 example. So when you look at a site and you
16 evaluate that it needs capacity, so if it comes
17 in, do you measure it as in capacity factor? Now,
18 keep in mind I'm from the electric utility side,
19 so I think of capacity in a slightly different
20 way, but I think the methodology is somewhat
21 similar.

22 THE WITNESS (Cheiban): So we look more
23 at a given area. So typically each sector has a
24 certain coverage footprint. It covers certain
25 like, say, square miles, a certain amount of

1 square miles. And so we look at that area and
2 see, okay, if it's congested and by how much it's
3 congesting, or if we are forecasting like in a
4 year or two that it's going to be congesting, how
5 much over its capacity limit it's going to be, and
6 we kind of work backwards to see how many
7 solutions or how many sites or small cells we
8 would need to add to basically be able to
9 adequately handle that traffic. I'm not sure if
10 that answered your question. If you want to, you
11 know --

12 MR. MORISSETTE: So you have an actual
13 throughput that you see in aggregate or average or
14 however you measure it, and if you compare that to
15 the actual as-built throughput, there's a
16 percentage associated with that. So if it's 80
17 percent, you're at 80 percent capacity or 90
18 percent or 100 or 110 you're over. Is that an
19 incorrect way of looking at it?

20 THE WITNESS (Cheiban): That's exactly
21 what we do. That's exactly what we do.

22 MR. MORISSETTE: Okay. So this
23 particular site when it's built what throughput
24 capacity factor will it have once it's built?

25 THE WITNESS (Cheiban): So how much

1 head room will it have, like how much --

2 MR. MORISSETTE: Yeah. So, will it be
3 80 percent, 90 percent?

4 THE WITNESS (Cheiban): I'm sorry.
5 Again, I need to research that to answer. I don't
6 know the answer right now.

7 MR. MORISSETTE: Well, getting back to
8 Mr. Edelson's comments about a way to measure this
9 as to where an actual tower is and with respect to
10 its capacity, that may be an opportunity to
11 present that up front so it gives the Council an
12 idea as, okay, well we're at 110 percent capacity
13 on this particular tower, after it's built it is
14 now at 70 percent, and therefore we have 30
15 percent room for growth throughout the years. So
16 just as a thought, an aside.

17 I'll move on. Similar question on
18 capacity. So if you have sites in Waterbury and
19 Wolcott that are at capacity, can you change out
20 equipment on those sites to increase the capacity
21 of the equipment? Is that a viable option, not
22 just in this particular case but in general?

23 THE WITNESS (Cheiban): So not really.
24 What we can do is deploy all the frequencies that
25 we own. In some cases we have sites where we

1 haven't deployed everything that we own so we can
2 go and add equipment to transmit in those
3 frequencies and gain capacity that way. But if we
4 already have deployed everything, all the
5 frequencies we own, then our only option would be
6 to build a new site or a new small cell.

7 MR. MORISSETTE: So throughput relates
8 to the ability of your frequency to handle it, not
9 the size of your equipment if I understand you?

10 THE WITNESS (Cheiban): That's correct,
11 yes.

12 MR. MORISSETTE: Okay. Thank you. And
13 sorry to belabor the point. So once 5G is
14 implemented, does that help relieve some of the
15 capacity issues?

16 THE WITNESS (Cheiban): So 5G is a
17 little bit more efficient and it can handle more
18 data. So it will relieve to some extent, but it
19 really is dependent on whether people have
20 upgraded their phones. So if you still have a
21 large user base that is still using 4G, then
22 having that additional 5G is not really, you know,
23 it will not come into play until they've upgraded.

24 MR. MORISSETTE: So as 5G comes on, the
25 capacity issue will be somewhat mitigated?

1 THE WITNESS (Cheiban): Correct. As
2 people upgrade their phones. Like the more people
3 that have the phones that are capable of 5G, the
4 more we'll see an increase in the capacity.

5 MR. MORISSETTE: Great. Thank you.
6 That's very helpful for me to better understand
7 the whole issue around capacity.

8 Thank you, Mr. Silvestri. I'm all set.

9 MR. SILVESTRI: Thank you, Mr.
10 Morissette.

11 I'd like to move on to Mr. Harder to
12 see if Mr. Harder has any additional questions.

13 MR. HARDER: I do not have anymore
14 questions. Thank you.

15 MR. SILVESTRI: Thank you, Mr. Harder.
16 Mr. Hannon, any additional questions?

17 MR. HANNON: I have no additional
18 questions. Thank you.

19 MR. SILVESTRI: Thank you also.

20 Mr. Nguyen, any additional questions?

21 MR. NGUYEN: No additional questions,
22 Mr. Silvestri. Thank you.

23 MR. SILVESTRI: Thank you.

24 Mr. Edelson, any additional questions?

25 MR. EDELSON: Yes. Bringing up the

1 beamforming, which was not something I was aware
2 of, got me wondering about whether or not Verizon
3 looks at microwave communication as an alternative
4 way to connect a macro site to its network. And I
5 think you know the basis of this concern is that
6 we focus a lot on alternate power generation or
7 back-up power generation, but we realize the site
8 is just as vulnerable to overhead wires that
9 connect the macro site to, let's say, a
10 Wallingford station. So I realize microwave can't
11 work in all situations, but is that an alternative
12 that Verizon looks at as a way to connect from a
13 macro site to the network?

14 THE WITNESS (Cheiban): So we typically
15 deploy fiber and we make sure that the fiber has a
16 diverse path back to the hub location, but we also
17 have microwave equipment that we can deploy in
18 case of an outage or, you know, an emergency. We
19 do have that equipment, and we do use it when
20 needed, but it's not our go-to. Our go-to is
21 fiber.

22 MR. EDELSON: Just to be clear, is
23 there a microwave dish, or whatever the right term
24 is, on this particular macro site, or are you just
25 saying you have used it other places?

1 THE WITNESS (Cheiban): So this one
2 there is no microwave dish. We are going to use
3 fiber, but we do have the equipment. This is kind
4 of part of the, you know, some of the emergency
5 equipment that we keep on hand in case we need to
6 deploy it.

7 MR. EDELSON: Okay. So if the
8 interconnection for some reason through fiber
9 optic and whatever other cabling system was
10 severely damaged, you might bring in a microwave
11 dish and set it up as a temporary emergency --

12 THE WITNESS (Cheiban): That's correct,
13 yeah, we do set up as a temporary, and we
14 basically will use one of the neighboring sites to
15 provide the data to the site that's impacted.

16 MR. EDELSON: Okay. Thank you very
17 much. No further questions, Mr. Silvestri.

18 MR. SILVESTRI: Thank you, Mr. Edelson.
19 I'll ask for Mr. Lynch, but I believe
20 he went on to that federal call.

21 Mr. Lynch, might you be with us?

22 (No response.)

23 MR. SILVESTRI: No. Very good. I only
24 had one other follow-up question to pose, and this
25 goes back to a security measure, if you will. I

1 remember reading, say, within the last month that
2 some individual was stealing batteries out of
3 various installations, including cell tower sites,
4 and was curious if based on what I read and those
5 thefts have you looked at doing anything different
6 from a security standpoint for your facilities?

7 THE WITNESS (Parks): This is Tim
8 Parks. I have not heard about that, so that is
9 news to me.

10 MR. SILVESTRI: Okay. Then let me
11 leave off with maybe you want to check that out.
12 It was quite rampant what went on. And again,
13 that's why I posed the question. But apparently,
14 I guess, batteries are hot items on the black
15 market. Just something to keep in mind and look
16 at the security standpoint just to make sure
17 things are tight.

18 Okay. Seeing that we're at the end of
19 staff and Council questions, I'd like to continue
20 with cross-examination of the applicant by New
21 Cingular Wireless PCS, LLC/AT&T, and Attorney
22 Patrick, please.

23 MR. PATRICK: Yes, thank you. We have
24 no questions for the applicant right now.

25 MR. SILVESTRI: Very good. Thank you,

1 Attorney Patrick.

2 Okay. So with that, we'll move on to
3 appearance by New Cingular Wireless. And Attorney
4 Patrick, I'll ask you to present your witness
5 panel for the purpose of taking the oath, and
6 Attorney Bachman will subsequently administer the
7 oath.

8 MR. PATRICK: Thank you very much. On
9 behalf of AT&T we have two witnesses this
10 afternoon. We have Martin Lavin, a radio
11 frequency engineer from C Squared Systems. We
12 also have Daniel Bilezikian. He's a site
13 acquisition specialist from SAI Group. So I offer
14 these two witnesses to be sworn in.

15 MR. SILVESTRI: Attorney Bachman.

16 MS. BACHMAN: Thank you, Mr. Silvestri.
17 If the gentlemen could please raise their right
18 hand.

19 M A R T I N L A V I N ,

20 D A N I E L B I L E Z I K I A N ,

21 called as witnesses, being first duly sworn
22 (remotely) by Ms. Bachman, were examined and
23 testified on their oaths as follows:

24 MS. BACHMAN: Thank you.

25 MR. SILVESTRI: Very good. Thank you,

1 Attorney Bachman.

2 And Attorney Patrick, could you please
3 begin by verifying all the exhibits by the
4 appropriate sworn witnesses.

5 MR. PATRICK: Yes. There are two
6 exhibits. They are listed in the hearing program
7 at Section III, Subsection B. It is AT&T's
8 request to intervene, dated October 30, 2020; as
9 well as AT&T's responses to interrogatories, dated
10 December 1, 2020. And for verification purposes,
11 I'll ask Mr. Lavin and Mr. Bilezikian a series of
12 short questions and ask for their responses, if
13 that's all right with you, Mr. Silvestri.

14 MR. SILVESTRI: That's fine.

15 DIRECT EXAMINATION

16 MR. PATRICK: All right. Mr. Lavin and
17 Mr. Bilezikian, did you prepare or assist in the
18 preparation of the exhibits identified?

19 Mr. Lavin.

20 THE WITNESS (Lavin): Martin Lavin.
21 Yes.

22 MR. PATRICK: Mr. Bilezikian.

23 THE WITNESS (Bilezikian): Dan
24 Bilezikian. Yes.

25 MR. PATRICK: Do you have any updates

1 or corrections to the information therein?

2 Mr. Lavin.

3 THE WITNESS (Lavin): Martin Lavin.

4 No.

5 THE WITNESS (Bilezikian): Dan

6 Bilezikian. No.

7 MR. PATRICK: Is the information
8 contained in the identified exhibits true and
9 accurate to the best of your belief?

10 Mr. Lavin.

11 THE WITNESS (Lavin): Martin Lavin.

12 Yes.

13 MR. PATRICK: Mr. Bilezikian. Mr.
14 Bilezikian?

15 THE WITNESS (Bilezikian): Dan

16 Bilezikian. No.

17 MR. PATRICK: Can I ask that question
18 again, Mr. Bilezikian? Is the information
19 contained in the identified exhibits true and
20 accurate to the best of your belief?

21 THE WITNESS (Bilezikian): Dan

22 Bilezikian. Yes.

23 MR. PATRICK: Thank you.

24 THE WITNESS (Bilezikian): You cut out
25 on me.

1 MR. PATRICK: Do you adopt these
2 exhibits as your testimony in this proceeding?

3 Mr. Lavin.

4 THE WITNESS (Lavin): Martin Lavin.
5 Yes.

6 MR. PATRICK: Mr. Bilezikian.

7 THE WITNESS (Bilezikian): Dan
8 Bilezikian. Yes.

9 MR. PATRICK: All right. Mr.
10 Silvestri, I offer these two exhibits in full.
11 That's all.

12 MR. SILVESTRI: Thank you, Attorney
13 Patrick.

14 Does the applicant object to the
15 admission of AT&T's exhibits? Attorney Baldwin.

16 MR. BALDWIN: We do not, Mr. Silvestri.
17 Thank you.

18 MR. SILVESTRI: Very good. Thank you.
19 The exhibits are hereby admitted. Thank you.

20 (New Cingular Wireless PCS, LLC (AT&T)
21 Exhibits III-B-1 and III-B-2: Received in
22 evidence - described in index.)

23 MR. SILVESTRI: We will now begin with
24 cross-examination of AT&T by Council and staff,
25 and I'd like to start with Mr. Perrone, please.

1 MR. PERRONE: Thank you, Mr. Silvestri.

2 CROSS-EXAMINATION

3 MR. PERRONE: Has AT&T considered
4 sharing a generator with Cellco, and please
5 explain why or why not.

6 THE WITNESS (Bilezikian): AT&T prefers
7 not to share a generator. They want to be
8 responsible for their own maintenance. They are
9 adverse to a single point of failure, so
10 generally -- (AUDIO INTERRUPTION)

11 MR. PERRONE: My next question
12 regarding AT&T's proposed walk-in equipment
13 cabinet, do you have an approximate height on that
14 cabinet?

15 (No response.)

16 MR. PERRONE: I'm sorry, I could not
17 hear the response.

18 MR. PATRICK: Mr. Bilezikian, did you
19 hear the question?

20 MR. PERRONE: The proposed walk-in
21 equipment cabinet, what would be the approximate
22 height of that cabinet?

23 MR. SILVESTRI: For some reason the
24 audio on Mr. Bilezikian is just not coming through
25 at all.

1 Mr. Bilezikian, can you hear us? I
2 believe he could hear us but we -- well, unless
3 it's just me, we can't hear him.

4 MR. PATRICK: Martin, do you happen to
5 have the answer to that question? Maybe I'll try
6 to email Dan and see if he's having trouble.

7 THE WITNESS (Lavin): I do not, no.

8 MR. PERRONE: In the meantime, I can
9 move on to some RF questions.

10 MR. PATRICK: Maybe that would be best.
11 Thank you.

12 MR. SILVESTRI: Attorney Patrick, just
13 before Mr. Perrone moves on, I don't know if
14 there's a way that Mr. Bilezikian could possibly
15 just log off and maybe log back on again and maybe
16 we could get a better connection.

17 MR. PATRICK: Yeah, I'm going to ask
18 him to try that or try calling in from his cell
19 phone instead of his computer maybe.

20 MR. SILVESTRI: Very good. Thank you.

21 Go ahead, Mr. Perrone, please continue.

22 MR. PERRONE: Sure. In response to the
23 Council Interrogatory 14 to AT&T where it gives
24 the proposed 5G services, my question is what
25 other services would AT&T offer from the proposed

1 site?

2 THE WITNESS (Lavin): The other, all
3 the other frequency bands would be on LTE 4G. 850
4 would have the 5G deployed only.

5 MR. PERRONE: And moving on to the
6 response to Council Interrogatory Number 17, I see
7 the design signal strengths for 700 megahertz and
8 1900 megahertz. Would you have the design signal
9 strengths for 850, 2100 and 2300?

10 THE WITNESS (Lavin): For 850 it's the
11 same as 700, negative 83, negative 93. For 2100
12 and 2300 it would be negative 86 and negative 96,
13 as it is with PCS.

14 MR. PERRONE: Thank you. That's all I
15 have right now.

16 MR. SILVESTRI: I don't know if
17 Mr. Bilezikian was able to reconnect.

18 Attorney Patrick, do you know if he's
19 back on?

20 MR. PATRICK: I believe he's trying to
21 call in right now.

22 MR. SILVESTRI: Okay. Tell you what,
23 we'll move on with other Council members, and I'll
24 make a note to come back and see if we could get
25 that answer to Mr. Perrone's question.

1 MR. PATRICK: Thank you very much.

2 MR. SILVESTRI: No. Thank you.

3 Mr. Morissette, we'd like to continue
4 cross-examination with you at this time.

5 MR. MORISSETTE: Thank you, Mr.
6 Silvestri. Does AT&T have a capacity issue as
7 well, is that why you want to get on this tower?

8 THE WITNESS (Lavin): It's primarily a
9 coverage site. There's also a capacity issue.
10 Site CT1005, which is just off the bottom of the
11 plots we presented, has exhausted capacity.

12 MR. MORISSETTE: Thank you. One final
13 question. I'm a little confused. Is the intent
14 to have a portion of AT&T facilities be approved
15 through this application or will a separate tower
16 share be filed?

17 THE WITNESS (Lavin): Attorney Patrick.

18 MR. PATRICK: I believe we would still
19 have to come in for a tower share application, but
20 I would have to look into that.

21 MR. MORISSETTE: Very Good. Thank you.
22 That's all the questions I have.

23 MR. SILVESTRI: Attorney Bachman, would
24 you like to opine on that one?

25 MS. BACHMAN: Thank you, Mr. Silvestri.

1 You must have seen me shaking my head.

2 MR. SILVESTRI: I did.

3 MS. BACHMAN: Because AT&T is an
4 intervenor here, they are a party. And if the
5 tower is approved, we will have all of their
6 information, and they could come in with Verizon
7 on a combined D&M plan. Thank you.

8 MR. SILVESTRI: Thank you, Attorney
9 Bachman.

10 Mr. Morissette, did that answer your
11 question?

12 MR. MORISSETTE: It certainly did.
13 Thank you.

14 MR. SILVESTRI: Any follow-up that you
15 need at this time?

16 MR. MORISSETTE: Not at all. Thank
17 you.

18 MR. SILVESTRI: Very good. Thank you.
19 Mr. Bilezikian, could you hear me now?

20 (No response.)

21 MR. PATRICK: It looks like he's on
22 mute, if he is here.

23 MR. SILVESTRI: I see him on the
24 screen. I see him on mute. If we could unmute
25 him, maybe we could hear him. Still on mute.

1 THE WITNESS (Bilezikian): Can you hear
2 me now?

3 MR. SILVESTRI: Oh, absolutely.

4 Mr. Perrone, could you kindly go back
5 and repeat that question for Mr. Bilezikian
6 because I forgot what it was at this point.

7 MR. PERRONE: Sure. Referencing the
8 drawing LE-3, the proposed walk-in equipment
9 cabinet, we have the base dimensions, 6 foot 8 by
10 6 foot 8. Do you have the approximate height of
11 the walk-in cabinet?

12 THE WITNESS (Bilezikian):
13 Approximately 8 feet high.

14 MR. PERRONE: Thank you. I'm all set.

15 MR. SILVESTRI: Thank you both.

16 I'd like to continue with
17 cross-examination by Mr. Harder at this time,
18 please.

19 MR. HARDER: Yes. Thank you. Just one
20 question thinking back to the discussion we had on
21 the site search. Was AT&T in the process of
22 looking for other sites or looking at other sites
23 to satisfy your needs in this area, or did you
24 become aware of this site and kind of jump on the
25 band wagon without really doing any other search?

1 THE WITNESS (Bilezikian): No, we
2 actually had a site that we were pursuing until we
3 came across this filing.

4 MR. HARDER: Can you give us any idea?
5 I assume you may not want to be specific, but can
6 you give us an idea of generally where that other
7 site is located?

8 THE WITNESS (Bilezikian): Are you
9 familiar with the Pontelandolfo property?

10 MR. HARDER: No, I'm not.

11 THE WITNESS (Bilezikian): I can get
12 the address for you in a second.

13 MR. HARDER: Do you know roughly how
14 far it is from the proposed site?

15 THE WITNESS (Bilezikian): Less than
16 probably a quarter of a mile.

17 MR. HARDER: Quarter of a mile?

18 (AUDIO INTERRUPTION)

19 MR. SILVESTRI: Mr. Bilezikian, was
20 that less than a quarter of a mile?

21 THE WITNESS (Bilezikian): Yes.

22 MR. SILVESTRI: Thank you.

23 MR. HARDER: Okay. That's all the
24 questions I had. Thank you.

25 MR. SILVESTRI: Thank you, Mr. Harder.

1 I'd like to continue cross-examination
2 by Mr. Hannon at this time.

3 MR. HANNON: I have no questions at
4 this time. Thank you.

5 MR. SILVESTRI: Thank you, Mr. Hannon.
6 Mr. Nguyen, do you have any questions
7 at this time?

8 MR. NGUYEN: No questions at this time,
9 Mr. Silvestri. Thank you.

10 MR. SILVESTRI: Thank you also.

11 Mr. Edelson, I know that you do have
12 questions based on what was posed the first time
13 with the applicant. Your turn, sir.

14 MR. EDELSON: Thank you. So I'll
15 introduce it by noting what was said about the
16 separate generator and not wanting to have one
17 critical point. So if this is approved and AT&T
18 and Verizon are on this tower, and for some reason
19 or another AT&T lost power, what does that mean
20 for FirstNet coverage in this area, if I'm a first
21 responder how would that affect me?

22 THE WITNESS (Bilezikian): I'm sorry,
23 can you hear me?

24 MR. EDELSON: I can now, yes.

25 THE WITNESS (Bilezikian): Okay. I was

1 unable to hear the last part of your question.

2 MR. EDELSON: The last part was from a
3 first responder's point of view, how would I be
4 affected, and again the presumption being that if
5 there was some power loss that took this macro
6 site out for AT&T, what would that do to first
7 responders who are trying to use FirstNet?

8 THE WITNESS (Bilezikian): I don't
9 believe I can answer that question.

10 MR. EDELSON: Can Mr. Lavin answer it?

11 THE WITNESS (Lavin): I believe that --
12 well, FirstNet is all based on prioritization.
13 The technology would be the same between the
14 units. It's all currently 4G. I don't know if
15 there's a mechanism for them to roll over to
16 Verizon presuming Verizon were to survive this
17 event.

18 There was a question earlier about
19 E911. That would continue on with Verizon. All
20 the carriers are obligated to carry any 911 call
21 that's presented to them. And if our subscribers'
22 phones didn't see our network anymore because we
23 were off the air, they would go through their
24 preferred roaming list and get to Verizon pretty
25 quickly, and Verizon would be obligated to carry

1 the E911 calls.

2 MR. EDELSON: Okay. I think
3 incrementally I'm getting a better understanding
4 of it, but I'm not sure I'm all the way there yet,
5 but I think that's good enough for right now. And
6 again -- good enough for now. Thank you, Mr.
7 Silvestri.

8 MR. SILVESTRI: Thank you, Mr. Edelson.
9 Mr. Lavin, just a clarification from a
10 follow-up right there with Mr. Edelson. Did I
11 hear that AT&T would have E911 and FirstNet?

12 THE WITNESS (Lavin): AT&T offers both
13 services, yes. And if Verizon were to fail, AT&T
14 would be obliged to carry the E911 calls from
15 Verizon customers.

16 MR. SILVESTRI: Got you. Thank you.
17 And also, I want to pose the same security
18 question that I had posed to the applicant. I
19 don't know if either of you have heard about that
20 battery theft as well. So that would be the first
21 question I'll ask, are you familiar with what
22 happened with battery thefts at cell phone sites?

23 Mr. Bilezikian, have you heard?

24 THE WITNESS (Bilezikian): No. No, I'm
25 not aware of it.

1 MR. SILVESTRI: Okay. Mr. Lavin?

2 THE WITNESS (Lavin): I did read the
3 news item. I believe it was a gentleman who was
4 going from site to site to site doing some other
5 business and helping himself to batteries along
6 the way.

7 MR. SILVESTRI: That basically sums it
8 up, yes. You know, with that, has AT&T done
9 anything else as far as security to basically say,
10 okay, we need to implement X, Y or Z to try to
11 prevent that from happening at our facilities?

12 THE WITNESS (Lavin): I don't know of
13 anything specific. All the facilities are
14 monitored. Every door is monitored. It really
15 can't be opened without someone at the network
16 operations center seeing that it's open. I don't
17 know of any specific additional efforts underway
18 based on this new and exciting kind of theft.

19 MR. SILVESTRI: Thank you, Mr. Lavin.
20 And without revealing security measures, per se, I
21 would take it there's some type of alarms or
22 motion detectors, or something like that, that
23 would go along with your compound?

24 THE WITNESS (Bilezikian): Correct.

25 MR. SILVESTRI: Very good. Thank you.

1 I don't have any further questions, so at this
2 point I'd like to continue with cross-examination
3 of AT&T by the applicant, and Attorney Baldwin,
4 please.

5 MR. BALDWIN: I have no questions, Mr.
6 Silvestri. Thank you.

7 MR. SILVESTRI: Thank you, Attorney
8 Baldwin.

9 At this point, the Council will recess
10 until 6:30 p.m. at which time we'll commence the
11 public comment session of this remote public
12 hearing.

13 And Attorney Baldwin, I'm under the
14 impression that you'll give a brief presentation
15 to start that off after my introductions; is that
16 correct?

17 MR. BALDWIN: That's correct.

18 MR. SILVESTRI: Very good. All right.
19 We will see everybody for the 6:30 public comment
20 session. And I thank you, and enjoy your dinner.

21 (Whereupon, the witnesses were excused,
22 and the above proceedings were adjourned at 4:35
23 p.m.)

1 CERTIFICATE OF REMOTE HEARING

2
3 I hereby certify that the foregoing 108 pages
4 are a complete and accurate computer-aided
5 transcription of my original stenotype notes taken
6 of the Siting Council Hearing in Re: DOCKET NO.
7 494, CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS
8 APPLICATION FOR A CERTIFICATE OF ENVIRONMENTAL
9 COMPATIBILITY AND PUBLIC NEED FOR THE
10 CONSTRUCTION, MAINTENANCE, AND OPERATION OF A
11 TELECOMMUNICATIONS FACILITY LOCATED SOUTH OF
12 CHESTNUT HILL ROAD AT THE INTERSECTION WITH
13 GRILLEY ROAD AND LYMAN ROAD (PARCEL NO. 101-1-5B),
14 WOLCOTT, CONNECTICUT, which was held before ROBERT
15 SILVESTRI, PRESIDING OFFICER, on December 8, 2020.
16
17
18

19 

20 -----
21 Lisa L. Warner, CSR 061
22 Court Reporter
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25 PLAINVILLE, CONNECTICUT 06062

I N D E X

WITNESSES: SWORN ON PAGE 10

TIMOTHY PARKS
ZIAD CHEIBAN
BRADLEY PARSONS
HU JIAZHU
BRIAN GAUDET
MICHAEL LIBERTINE
DEAN GUSTAFSON

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MARTIN LAVIN
DANIEL BILEZIKIAN

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APPLICANT CELLCO PARTNERSHIP D/B/A
VERIZON WIRELESS EXHIBITS
(Received in evidence)

EXHIBIT	DESCRIPTION	PAGE
II-B-1	Application for a Certificate of Environmental Compatibility and Public Need, filed by Cellco Partnership d/b/a Verizon Wireless, received September 2, 2020, and attachments and bulk file exhibits including: Bulk file exhibits:	14

1 I n d e x: (Cont'd.)

2

3 EXHIBIT	DESCRIPTION	PAGE
4 a.	Town of Wolcott zoning regulations.	
5 b.	Town of Wolcott Plan of Conservation and Development.	
6 c.	Town of Wolcott Inland Wetlands and Watercourses Regulations.	
7 d.	Technical report.	

8 II-B-2 Protective order related to unredacted lease agreement, signed October 8, 2020. 14

9 II-B-3 Applicant's responses to Council interrogatories, Set One, dated November 13, 2020. 14

10 II-B-4 Applicant's sign posting affidavit, dated November 18, 2020. 14

11 II-B-5 Applicant's responses to Council interrogatories, Set Two, dated December 1, 2020. 14

12 INTERVENOR NEW CINGULAR WIRELESS PCS, LLC
13 (AT&T) EXHIBITS
14 (Received in evidence)

15 EXHIBIT DESCRIPTION PAGE

16 III-B-1	AT&T request to intervene, dated October 30, 2020.	96
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17 III-B-2 AT&T responses to Council interrogatories, dated December 1, 2020. 96

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19
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22
23
24 **All exhibits were retained by the Council.