## In The Matter Of:

Florida Tower Partners LLC, d/b/a North Atlantic Towers Public Hearing

July 14, 2015

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1	STATE OF CONNECTICUT
2	CONNECTICUT SITING COUNCIL
3	
4	Docket No. 458
5	Florida Tower Partners LLC, d/b/a North
6	Atlantic Towers for a Certificate of
7	Environmental Compatibility and Public Need
8	for the construction, maintenance, and
9	operation of a telecommunications facility
10	at one of two locations at 62-64 Codfish
11	Hill Road, Bethel, Connecticut
12	
13	
14	Continued Public Hearing held at the
15	Connecticut Siting Council, Ten Franklin
16	Square, New Britain, Connecticut, Tuesday,
17	July 14, 2015, at 11:12 a.m.
18	
19	Held Before:
20	ROBERT STEIN, Chairman
21	SENATOR JAMES J. MURPHY, JR.,
22	Vice Chairman
23	
24	
25	

Appearances: Council Members: PHILIP T. ASHTON DANIEL P. LYNCH, JR. LARRY LEVESQUE, ESQ., PURA Designee ROBERT HANNON, DEEP Designee DR. MICHAEL W. KLEMENS Council Staff: MELANIE BACHMAN, ESQ. Executive Director and Staff Attorney ROBERT MERCIER Siting Analyst 

Appearances: (Cont'd.) 1 2 3 For Florida Tower Partners LLC, d/b/a North Atlantic Towers: 4 5 COHEN AND WOLF, P.C. 6 1115 Broad Street Bridgeport, Connecticut 06604 7 8 BY: JULIE D. KOHLER, ESQ. 9 RACHEL A. SCHWARTZMAN, ESQ. 10 For Codfish Hill Environmental Trust: 11 12 EVANS FELDMAN & AINSWORTH, LLC 261 Bradley Street 13 P.O. Box 1694 14 15 New Haven, Connecticut 06507-1694 16 BY: KEITH R. AINSWORTH, ESQ. 17 18 For Cellco Partnership d/b/a Verizon 19 Wireless: 20 ROBINSON & COLE LLP 21 280 Trumbull Street 22 Hartford, Connecticut 06103-3597 23 BY: KENNETH C. BALDWIN, ESQ. 24 25

1	SENATOR MURPHY: Ladies and
2	gentlemen, I'd like to call this hearing to
3	order this Tuesday, July the 14th, 2015.
4	It's a little bit after 11 o'clock. I
5	apologize for being late, but the traffic is
6	tough coming up Route 9. My name is James
7	J. Murphy Jr., and I'm substituting
8	temporarily for Robin Stein, our Chairman,
9	who will be along.
10	This hearing is a continuation of
11	the hearing held on June the 2nd, 2015, at
12	the Bethel Town Hall, General Purpose Room,
13	in Bethel, Connecticut. It is held pursuant
14	to the provisions of Title 16 of the
15	Connecticut General Statutes and of the
16	Uniform Administrative Procedure Act upon an
17	application from Florida Tower Partners LLC
18	d/b/a North Atlantic Towers for a
19	Certificate of Environmental Compatibility
20	and Public Need for the construction,
21	maintenance, and operation of a
22	telecommunications facility at one of two
23	locations at 62 to 64 Codfish Hill Road,
24	Bethel, Connecticut. This application was
25	received by the Council on March 19, 2015.

A verbatim transcript will be 1 made of this hearing and deposited with the 2 Town Clerk's Office in the Bethel Town Hall 3 for the convenience of the public. 4 5 We will proceed in accordance with the prepared agenda, copies of which 6 are available. If you don't have one, they 7 8 should be on the table over there. 9 There's a request from the Codfish Hill Environmental Trust for the 10 Council to take administrative notice of the 11 12 Department of Transportation traffic map. 13 Does any party or intervenor have an objection to the Council taking notice? 14 15 MS. KOHLER: No. Mr. Chairman, a 16 MR. ASHTON: point of inquiry. I received what's so 17 18 labeled as the traffic map, an eight and a half by eleven, is that correct, Mr. 19 Ainsworth, is that what we're looking at? 20 SENATOR MURPHY: Well, first of 21 all, let's see if we can -- I realize it's 22 23 very difficult to read it. I had the same 24 problem. Is there any objection? 25

1 (No response.) SENATOR MURPHY: Hearing none, 2 we'll take administrative notice of it. 3 Then go ahead, Mr. Ashton, with 4 5 your questions. MR. ASHTON: I'm just trying to 6 7 understand that this is in fact what you submitted, or is this a reduction of what 8 9 has been submitted? MR. AINSWORTH: That is actually 10 what is at that location that's noted. You 11 can actually zoom in to the Codfish Hill 12 13 area on line when you access that map. MR. ASHTON: But for a hard copy, 14 15 this is what was submitted, the eight and a half by eleven; is that correct? 16 MR. AINSWORTH: 17 Yes. 18 MR. ASHTON: Okay. It's a little 19 tad difficult to read. SENATOR MURPHY: I found it very 20 21 difficult to read. 22 MR. AINSWORTH: I can, as a Late-Filed matter, I could reproduce the 23 24 area around Codfish Hill which is in much 25 greater detail.

1 MR. ASHTON: That might be a productive suggestion. 2 3 SENATOR MURPHY: Why don't we leave it if you can, submit it; if you 4 5 can't, we'll understand. Okay? 6 MR. AINSWORTH: Understood. MR. ASHTON: Thank you very much, 7 Mr. Chairman. 8 9 Mr. Ainsworth. SENATOR MURPHY: You have a 10 panel, Mr. Ainsworth? 11 12 MR. AINSWORTH: Yes, I do. Mr. Chairman, I have six witnesses here 13 today, and I'd like to introduce each one 14 15 and have their prefile testimony admitted. I'll start with Gillean Reinders. 16 17 Ms. Reinders, at my request, did you 18 prepare --19 MS. BACHMAN: Shouldn't we swear them in first? 20 21 SENATOR MURPHY: Yes. Why don't 22 you introduce your panel, and we'll swear 23 them in first. 24 MR. AINSWORTH: Okay. I have 25 here today Gillean Reinders; Mark Reinders;

Susan White; Caryl Kirschbaum; and on behalf 1 of Lada Bedriy, Ken Parsons; and Leon 2 Kurjiaka. 3 SENATOR MURPHY: If they'd rise, 4 Attorney Bachman will administer the oath. 5 KENNETH PARSONS, 6 7 LEON KURJIAKA, 8 GILLEAN REINDERS, 9 MARK REINDERS, 10 SUSAN WHITE, KIRSCHBAUM, CARYL 11 L. called as witnesses, being first duly 12 13 sworn by Ms. Bachman, were examined and testified on their oaths as follows: 14 15 SENATOR MURPHY: Now Mr. 16 Ainsworth. MR. AINSWORTH: Again, starting 17 18 with Ms. Reinders, Ms. Reinders, at my request, did you prepare a statement that 19 you filed known as prefiled testimony and 20 21 labeled such that you submitted to the Council and which has been marked as Exhibit 22 23 5c? 24 THE WITNESS (G. Reinders): Yes, I did. 25

1 MR. AINSWORTH: And do you have any deletions, additions or corrections to 2 that? 3 THE WITNESS (G. Reinders): No, I 4 5 do not. MR. AINSWORTH: And do you adopt 6 7 it as your testimony before the Council here 8 today? 9 THE WITNESS (G. Reinders): I do. 10 MR. AINSWORTH: And Mr. Reinders, 11 Mark Reinders? THE WITNESS (M. Reinders): Yes. 12 13 MR. AINSWORTH: Did you prepare what has been marked as Exhibit 5b in which 14 15 you filed as your prefiled testimony? 16 THE WITNESS (M. Reinders): I did. 17 18 MR. AINSWORTH: And do you have any deletions, corrections or additions to 19 20 that? 21 THE WITNESS (M. Reinders): No, I 22 do not. 23 MR. AINSWORTH: And do you adopt 24 that as your testimony here today? 25 THE WITNESS (M. Reinders): I do.

MR. AINSWORTH: And Susan White? 1 THE WITNESS (White): Yes. 2 MR. AINSWORTH: Did you prepare 3 4 what has been labeled as your prefile 5 testimony, which was received on May 26th and been marked as Exhibit 5d? 6 7 THE WITNESS (White): Yes. 8 MR. AINSWORTH: And do you have 9 any corrections, deletions or additions to 10 that? 11 THE WITNESS (White): No. 12 MR. AINSWORTH: And do you adopt 13 that as your testimony here today? 14 THE WITNESS (White): Yes. 15 MR. AINSWORTH: And Caryl Kirschbaum? 16 THE WITNESS (Kirschbaum): Yes. 17 18 MR. AINSWORTH: Did you prepare 19 what has been marked as 5e, your prefile testimony received on May 26th as your 20 prefile testimony? 21 22 THE WITNESS (Kirschbaum): Yes. 23 MR. AINSWORTH: Do you have any 24 corrections, deletions or additions to that? 25 THE WITNESS (Kirschbaum): No, I

1 do not. MR. AINSWORTH: And do you adopt 2 3 that as your testimony here today? 4 THE WITNESS (Kirschbaum): I do. 5 MR. AINSWORTH: And Mr. Kurjiaka? THE WITNESS (Kurjiaka): Yes. 6 7 MR. AINSWORTH: Did you prepare 8 what has been marked as your prefile 9 testimony as Exhibit 5g and received on May 26th? 10 11 THE WITNESS (Kurjiaka): Yes. MR. AINSWORTH: You'll have to 12 13 speak up, by the way. 14 And do you have any corrections, 15 deletions or additions to it? 16 THE WITNESS (Kurjiaka): No. MR. AINSWORTH: And do you adopt 17 18 that as your testimony here before the 19 Council? THE WITNESS (Kurjiaka): Yes, I 20 21 do. 22 MR. AINSWORTH: And Mr. Parsons, you're here representing -- in place of your 23 24 wife who is --25 THE WITNESS (Parsons): Out of

1 the country.

2 MR. AINSWORTH: Out of the 3 country? 4 THE WITNESS (Parsons): Yes. 5 MR. AINSWORTH: And the prefiled testimony that was filed for Lada Bedriy 6 7 marked as Exhibit 5f, do you adopt that as 8 your testimony here today before the 9 Council? THE WITNESS (Parsons): I do for 10 11 her. 12 MR. AINSWORTH: And are there any deletions, corrections or additions? 13 14 THE WITNESS (Parsons): There are 15 not. 16 SENATOR MURPHY: Thank you. Any objection to admitting the 17 18 six exhibits? 19 MS. KOHLER: No. SENATOR MURPHY: I see the nods 20 21 of "no." They're so admitted then. 22 (Intervenor Codfish Hill 23 Environmental Trust Exhibits III-B-1 through 24 III-B-6: Received in evidence - described 25 in index.)

1 SENATOR MURPHY: Cross examination of the panel. Mr. Mercier, 2 we'll start with the staff. 3 (Whereupon, Chairman Stein 4 5 entered the hearing room.) CROSS-EXAMINATION 6 7 MR. MERCIER: Thank you. 8 Attorney Ainsworth, I was going 9 to ask everybody on the panel generally the 10 same question in regards to the balloon fly on June 2nd. 11 12 So I'll just begin with Mr. 13 Parsons. As you're probably aware, there was a balloon fly on June 2nd as part of the 14 15 field review. As noticed in the transcript, 16 they flew the balloon approximately like 7:45 to I think about 6 p.m. 17 I was 18 wondering if you had a chance to try to look for the balloons from your property on that 19 day on June 2nd? 20 THE WITNESS (Parsons): 21 I could 22 not see it from my house, but I could see it 23 on the road several places on the way in and 24 out of town. I can be more specific. 25 MR. MERCIER: Actually I was just

curious about the property itself, your 1 property itself. You could not see it from 2 3 your property. THE WITNESS (Parsons): 4 No. 5 MR. MERCIER: Mr. Kurjiaka, the same question. Did you get a chance to look 6 for the balloons from your property on June 7 2nd?8 9 THE WITNESS (Kurjiaka): Yes, I did, and I walked on the hike too. 10 The foliage was covering the balloons in June, 11 but the previous balloon during the winter 12 there was visibility. 13 14 MR. MERCIER: Do you know when 15 that balloon fly occurred, that particular one in the winter? 16 THE WITNESS (Kurjiaka): Was it 17 in February, the last --18 19 THE WITNESS (M. Reinders): 20 Thanksgiving. MR. AINSWORTH: You have to just 21 22 do the best from your memory. 23 THE WITNESS (Kurjiaka): Yes, it 24 was around the end of November. 25 MR. MERCIER: Of 2014?

1 THE WITNESS (Kurjiaka): Yes. MR. MERCIER: Okay. Thank you. 2 Was that balloon fly noticed to you? 3 How did you know about that particular balloon 4 5 fly? THE WITNESS (Kurjiaka): 6 7 Neighbors told me it was going to happen. 8 MR. MERCIER: Thank you. 9 Mr. Parsons, regarding that 10 winter -- around Thanksgiving, excuse me, Thanksgiving 2014 balloon fly, did you know 11 12 about that particular one? THE WITNESS (Parsons): 13 No one called me. I didn't see a notice in the 14 15 paper. I had no knowledge of it. 16 MR. MERCIER: Thank you. 17 Ms. Reinders, Mr. Reinders, on 18 June 2nd did you have the opportunity to 19 attempt to observe the balloons from your 20 property? 21 THE WITNESS (G. Reinders): We 22 did, but it was very windy, and it got 23 tangled in the trees. We have clear 24 pictures of it. The first balloon float you 25 could clearly see it from our house.

MR. MERCIER: The first balloon 1 float, was that the one that was held around 2 3 Thanksgiving? THE WITNESS (G. Reinders): 4 5 Around Thanksgiving of 2014. MR. MERCIER: So that was through 6 7 the trees you could see some balloon? 8 THE WITNESS (G. Reinders): Yes, 9 clearly can see it from our house. 10 MR. MERCIER: From your house or 11 just your property? THE WITNESS (G. Reinders): Well, 12 from our house, yes, and our property. We 13 submitted several pictures. 14 15 MR. MERCIER: Okay. Attorney Ainsworth, I haven't 16 17 seen the pictures. Have those been 18 submitted? 19 MR. AINSWORTH: They should have been part of the prefile testimony. 20 21 THE WITNESS (G. Reinders): I 22 e-mailed them to you. 23 MR. AINSWORTH: Okay. Apparently 24 they should have been part of the prefile 25 testimony.

1 MR. MERCIER: Okay, I'll just 2 check my records again. The copy in front of me I don't have the attachment. 3 MR. AINSWORTH: Perhaps the 4 electronic version but --5 MR. MERCIER: Ms. White, same 6 7 question, on June 2nd did you have the 8 opportunity to observe the balloons from 9 your property? THE WITNESS (White): Yes. 10 As Ms. Reinders said, it was windy, and from my 11 house and also from my driveway a little 12 13 ways out toward the road we could see it, but it kept bobbing behind trees. 14 So it 15 would pop out sort of where there was a break in the trees, and then it would 16 disappear, but it was blowing off to the 17 18 side quite strongly. 19 MR. MERCIER: Did you attempt to look at it in the morning or the afternoon? 20 21 THE WITNESS (White): Oh, I would say it was around 11 o'clock or 11:30 in the 22 23 morning. 24 MR. MERCIER: Ms. White, 25 regarding your prefile testimony, I saw a

figure that you included in there. This is 1 your May 26th filing. It said that the 2 tower appears to be about 300 to 400 feet 3 from the back wall of your property? 4 5 THE WITNESS (White): Roughly 300 to 400 feet from kind of the right-hand end 6 7 of my house, not directly behind it, but 8 very visible. 9 MR. MERCIER: How did you determine that distance? 10 11 THE WITNESS (White): I was able 12 to see that from the pictures that were 13 taken, the November balloon float. I was not home that day, and I was shown the 14 15 pictures later that were taken. There was 16 one taken from right in my driveway, and it looked like it was growing out of my 17 18 chimney. That was when there were no leaves on the trees obviously. 19 20 MR. MERCIER: Okay. So did you do any type of measurement using any kind of 21 22 mapping, or did you just kind of estimate 23 it? 24 THE WITNESS (White): I was not 25 able to do that because the balloon was down

1 obviously, but the time I saw the picture. MR. MERCIER: Right. 2 I'm just 3 trying to figure out where you got the 300 to 400 feet. I mean, is that something that 4 5 you --THE WITNESS (White): It was an 6 7 estimation, and I admit that. 8 MR. MERCIER: Thank you. 9 And Ms. Kirschbaum? THE WITNESS (Kirschbaum): 10 Yes. MR. MERCIER: I was wondering if 11 12 you had a chance on June 2nd to observe the 13 balloon fly that occurred? THE WITNESS (Kirschbaum): I did. 14 15 It was early in the morning before I went to 16 work. And again, it was windy, and it was 17 rainy, and I saw it bob above the trees, and 18 then it went away. The weather conditions were not good. I did see it. As I was 19 20 leaving the neighborhood and going down the hill, I saw it again. I had extremely clear 21 22 visibility in the November 2013 float, saw it extremely clearly through -- as a matter 23 24 of fact, I thought it was -- I didn't know 25 what it was until a neighbor knocked on my

door to tell me what it was. I thought it 1 was a party balloon that got stuck in the 2 trees. And it was so clear I could see the 3 gentleman drive up in his truck to take it 4 5 down. MR. MERCIER: In regards to the 6 7 June 2nd balloon fly, did you see one balloon or both? 8 9 THE WITNESS (Kirschbaum): I saw 10 one balloon. I'd like to clarify that in the November 2013 float was at the Site 1 11 12 proposed. 13 MR. MERCIER: Thank you. Given that the applicant is now 14 15 proposing a shorter tower, I wasn't sure if CHET has any position regarding a monopine. 16 I'm not sure if there's a collective 17 18 discussion among your group as to that type 19 of structure. 20 MR. AINSWORTH: I mean, I think there's a preference -- as it gets closer to 21 the tree line, I think there's a preference 22 23 that if there has to be a tower that the 24 monopine would be of some benefit because it 25 would blend toward the tree line, and for

those people who had those intermediate 1 2 distances, I think that would probably be of some relief to them. You know, when it 3 sticks up significantly above the tree line, 4 obviously it makes a larger visual mass, so 5 I think in that circumstance if it were the 6 7 170-foot tower, that's probably one where 8 the group probably would not favor that. 9 MR. MERCIER: Okay. Thank you. I have no other questions at this time. 10 11 THE CHAIRMAN: We'll now go to questions from the Council, commissioners. 12 Mr. Hannon? 13 MR. HANNON: I have no questions. 14 15 THE CHAIRMAN: Dr. Klemens? DR. KLEMENS: 16 I have no questions. But I'd like also the record to 17 18 show that I have read the -- on June 22nd I 19 came into the offices and read the 20 transcripts of both the hearings on June 21 2nd. 22 THE CHAIRMAN: Mr. Levesque? 23 MR. LEVESQUE: No questions. 24 Thank you. 25 THE CHAIRMAN: Attorney Kohler?

1 MS. KOHLER: The applicant doesn't have any questions for these lay 2 witnesses. 3 THE CHAIRMAN: Attorney Baldwin? 4 5 MR. BALDWIN: No questions, Mr. Chairman. 6 7 THE CHAIRMAN: Thank you. 8 Those are all the questions. So 9 at the moment would you please take your seats? We have to do some musical chairs 10 11 here. 12 MR. AINSWORTH: Thank you, Mr. Chairman. 13 14 (Witnesses excused.) 15 THE CHAIRMAN: This is now for 16 the applicant, Florida Tower Partners. I ask Attorney Kohler to 17 18 reintroduce your panel, but I see it's being 19 reintroduced as we speak. Also, Attorney Kohler, if there are any witnesses -- I 20 21 think Mr. Gustafson has to be sworn in --MS. KOHLER: Yes. 22 23 THE CHAIRMAN: And anybody else. 24 Verify your exhibits, please. 25 MS. KOHLER: Thank you.

1 CARLO F. CENTORE, 2 МІСНАЕЬ LIBERTINE, Ρ. КЕІТН COPPINS, 3 Ε. having been previously sworn, testified 4 further on their oaths as follows: 5 DEAN Е. GUSTAFSON, 6 7 called as a witness, being first duly 8 sworn by Ms. Bachman, was examined and 9 testified on his oath as follows: MS. KOHLER: We'd like to have 10 Mr. Gustafson accept Exhibits 1 and 6 for 11 identification. Actually Exhibits 1 and 6 12 13 have already been accepted, but as he wasn't here for the first hearing, we'd like him to 14 15 also verify those exhibits. Mr. Gustafson, did you supervise 16 or participate in the preparation of 17 18 Exhibits 1 and 6? 19 THE WITNESS (Gustafson): I did. MS. KOHLER: And did you have any 20 corrections, additions or deletions to make 21 to those exhibits? 22 23 THE WITNESS (Gustafson): No. 24 MS. KOHLER: And do you accept 25 them here today as your testimony?

THE WITNESS (Gustafson): I do. 1 MS. KOHLER: Thank you. 2 THE WITNESS (Gustafson): You're 3 4 welcome. 5 MS. KOHLER: And today the applicant also --6 7 THE CHAIRMAN: I just ask is 8 there any objection? 9 MR. AINSWORTH: No objection. THE CHAIRMAN: Thank you. 10 11 MS. KOHLER: Today the applicant also asks for identification purposes under 12 Roman Numeral II-B-7, 8, 9 and 10, that we 13 be asked to verify those exhibits. 14 15 THE CHAIRMAN: Yes. 16 MS. KOHLER: Mr. Coppins, did you supervise or prepare Exhibit 7? 17 18 THE WITNESS (Coppins): Yes. 19 MS. KOHLER: Do you have any corrections, additions or deletions to make 20 21 to that exhibit? 22 THE WITNESS (Coppins): No. 23 MS. KOHLER: And do you accept it 24 here today as your testimony? 25 THE WITNESS (Coppins): Yes.

1 MS. KOHLER: Mr. Centore, did you supervise or participate in the preparation 2 of Exhibits 7, 8 and 9? 3 THE WITNESS (Centore): I did. 4 5 MS. KOHLER: And do you have any additions, corrections or deletions to make 6 7 to those exhibits? 8 THE WITNESS (Centore): I do not. 9 MS. KOHLER: And do you accept it here today as your testimony? 10 11 THE WITNESS (Centore): I do. 12 MS. KOHLER: And Mr. Libertine, did you supervise or participate in the 13 preparation of Exhibits 10 and 11? 14 15 THE WITNESS (Libertine): Yes. MS. KOHLER: And do you have any 16 corrections, additions or deletions to make 17 18 to those exhibits? 19 THE WITNESS (Libertine): No. MS. KOHLER: And do you accept it 20 21 here today as your testimony? 22 THE WITNESS (Libertine): Yes. 23 MS. KOHLER: Thank you. With 24 that I'd ask that those exhibits be accepted 25 as full exhibits.

1 THE CHAIRMAN: Is there any 2 objection? 3 MR. AINSWORTH: There are no 4 objections. 5 THE CHAIRMAN: The exhibits are accepted. 6 Thanks. 7 MS. KOHLER: (Applicant Exhibits II-B-7 8 9 through II-B-11: Received in evidence described in index.) 10 11 MS. KOHLER: I have just one question for each of three witnesses just 12 for clean up from the last time. I'd like 13 to ask Mr. Libertine to verify the date and 14 15 the timing of the balloon floats for the record, if you don't mind? 16 17 THE CHAIRMAN: Go ahead. 18 MS. KOHLER: Mr. Libertine, can 19 you just verify the time the balloon was flown at Site 1 and Site 2 on Tuesday, June 20 21 2, 2015? THE WITNESS (Libertine): 22 23 Certainly. On that date the first at Site 1 the balloon was up at about 7:30 in the 24 25 morning, and at Site 2 by 7:45. They were

flown, and we did have some challenging 1 weather conditions that day with the wind, 2 but we were able to maintain balloons at the 3 site until 6 o'clock, as prescribed by the 4 5 Council. 6 MS. KOHLER: Thank you. 7 And Mr. Centore, Mr. Ashton asked 8 you to confirm the dimensions of the cyclone 9 fence mesh. Can you also confirm those dimensions? 10 11 THE WITNESS (Centore): The 12 cyclone fence mesh is one-and-one-quarter inch. 13 14 MS. KOHLER: Thank you. 15 And Mr. Coppins, would the applicant be amenable to constructing a 16 stealth facility should the Council deem it 17 18 appropriate? 19 THE WITNESS (Coppins): Yes, we 20 would. 21 MS. KOHLER: Thank you. That's all that we have. 22 23 THE CHAIRMAN: Okay. Thank you. 24 We'll now continue with the cross 25 examination first by staff. Mr. Mercier.

1 MR. MERCIER: Thank you. CROSS-EXAMINATION 2 MR. MERCIER: Mr. Libertine, I 3 just wanted to follow up on some of the 4 5 visibility discussion we just had with the other panel. I believe it was stated there 6 7 was a balloon fly in November of 2014. Ι 8 don't know if it was the 13th or the 23rd, 9 but can you tell me if that was for Site 1 or Site 2 or both? 10 11 THE WITNESS (Libertine): At that time it was for Site 1, and I can give you 12 that date. Bear with me one second. 13 That was November 30th, and that was actually in 14 15 2013. The site goes back a little ways. Thank you. 16 MR. MERCIER: 17 In regards to the June 2nd 18 balloon fly for the field review, several of the adjacent residents, Mrs. Kirschbaum and 19 Mrs. White who reside on Twin Maple, said 20 they saw a balloon either above the trees or 21 22 through the trees. Since two red balloons 23 were used for both towers, can you opine as 24 to which one you believe they viewed? Was 25 it the Site 1 balloon or the Site 2 balloon?

THE WITNESS (Libertine): Could 1 you provide me their addresses? 2 Ι 3 apologize, I don't have that right in front 4 of me. MR. MERCIER: I think it's 12 5 Twin Maple Drive is one of them. I have to 6 look also. It's essentially the tower that 7 8 is Twin Maple Drive is east of Site 1. 9 THE WITNESS (Libertine): Okay. 10 I'm sorry, they're both on Twin Maple? 11 MR. MERCIER: Yes, they are. THE WITNESS (Libertine): 12 I'm 13 going to opine that it would be Site 1 just because of its proximity. When we floated 14 15 Site 2 in February of 2014, I could not see that from anywhere along Maple Avenue. 16 But again, they may be able to verify if they 17 18 saw both balloons or not. It's possible 19 that both balloons may have been visible from some locations in the backyards there, 20 21 but I don't know that for a fact. 22 THE CHAIRMAN: And the height 23 that the balloons were flown was what 24 height?

THE WITNESS (Libertine):

In all

25

cases for the floats that we did 1 independently and for the floats on June 2nd 2 Site 1 was at 150 feet and Site 2 was at 170 3 feet. 4 5 THE CHAIRMAN: Okay. And what's proposed now is? 6 7 THE WITNESS (Libertine): Now 8 we've dropped Site 2 by 20 feet down to 150 9 feet, and the proposed Site 1 is dropped down from 150 to 120 feet. 10 11 THE CHAIRMAN: Thank you. THE WITNESS (Libertine): So 20 12 and 30 feet respectively. 13 MR. MERCIER: Given that both are 14 15 now reduced in height, can you provide an opinion as to how you feel a monopine would 16 either blend in or not at both sites? 17 THE WITNESS (Libertine): I think 18 19 Site 1, because of its height reduction down to about 120 feet or so, I think a monopine 20 there certainly is going to probably, from 21 22 my perspective, going to be a major benefit 23 to any of the folks who I'll call the near 24 view residents, the select folks that do have some views from either their homes or 25

1 their backyards. They are through trees, but using some type of a concealment like a 2 monopine is going to certainly soften that 3 effect, and I would venture to say that 4 5 you're not going to really be able to see a whole lot of distinction through the trees 6 7 during the winter of that facility if it 8 were a monopine.

9 The downside to that, as was 10 mentioned by Attorney Ainsworth, is some of the further views, I'll use the high school 11 as an example about a mile away, it still is 12 13 above the tree line by probably 20 or 30 feet, maybe a little bit more from some 14 15 perspectives, that's likely going to give a little bit thicker of a profile on the 16 horizon, but certainly from the near views I 17 18 think that has a major benefit.

19 Site 2, I guess you could make 20 the argument that it would have the same 21 benefit from the near views. I get a little 22 concerned when we start talking about 150 23 feet in height because, again, anywhere it 24 is seen above the trees, and I know there 25 are a few select areas along Codfish Hill

1	Road to the west where you look back where
2	it's significantly above the trees. I think
3	Site 2 would certainly be more of a
4	prominent feature from those locations. I
5	think there were less immediate residents in
6	the what I'll call the immediate area of the
7	site that can see through to Site 2 through
8	the trees, so I'm probably more of an
9	advocate for a concealing option at Site 1
10	as being advantageous.
11	MR. MERCIER: In your revised
12	photo simulation for Site 2 you have several
13	photographs photo simulation Number 14
14	for Site 1, excuse me, I'm sorry, Site 1.
15	There appears to be a gray house at Number 9
16	Wolfpits Road?
17	THE WITNESS (Libertine): Yes.
18	MR. MERCIER: So is that one of
19	the views you're talking about where it
20	extends I'll call it significant compared to
21	the other photos in this set that you might
22	be concerned about?
23	THE WITNESS (Libertine): Yes,
24	that site is somewhat elevated, so you're
25	looking across the valley, and it does rise

significantly above the trees. Albeit, 1 we've dropped it 30 feet, so it gets closer 2 to the tree line, but it's still 3 significantly above the tree line from that 4 5 perspective, as well as a few others. MR. MERCIER: Thank you. 6 7 Looking through your revised 8 visibility analysis, you provided some 9 figures of a reduction in acreage of visibility. Do you have any figures related 10 to residences? I believe in the previous 11 hearing you said there might be 25 for Site 12 13 1 that had year-round views and 12 for Site 2 that would have year-round views. 14 Has 15 that altered at all? THE WITNESS (Libertine): 16 Not 17 significantly. I think maybe one or two 18 homes in each case may drop out. Without the use of a balloon float and actually 19 physically looking in the field, it's a 20 little difficult to say for sure, but I 21 22 think we could safely say that you may drop 23 out one to two, but I don't believe it's a 24 significant reduction. And I'll qualify 25 that because the again predominant views are

1	seasonal associated with this until you
2	start to get significantly away from the
3	site, over three-quarters of a mile away.
4	So I think what we're going to experience is
5	the drop in height brings it down lower into
6	the tree line, and so those homes or those
7	residential properties that may be able to
8	see through the trees are still going to see
9	a portion of the facility. It's just going
10	to be a shorter facility.
11	MR. MERCIER: Thank you.
12	In your visibility mapping
13	there's a legend in the actual maps
14	themselves, you know, it talks about it
15	just has a designation for open space and
16	photo locations. Is there a dataset you
17	examined for scenic roads?
18	THE WITNESS (Libertine): Yes.
19	Well, there's two. The state maintains for
20	state roads its own dataset, and that's
21	updated periodically, not that often because
22	to go through a state road designation is
23	actually a fairly long process. So we use
24	that, the DOT maintains that, and that's
25	publicly available. The towns have varying

degrees of information that is available, so 1 we try to use web sites. We often call the 2 town to find out if there's any scenic roads 3 designated in the areas. And then obviously 4 5 as we're doing our reconnaissance, we'll take note of any signs that may be up. 6 7 MR. MERCIER: So you examined the 8 Town of Bethel records for this particular 9 application for scenic roads as well as look 10 for signs? 11 THE WITNESS (Libertine): That's 12 correct. MR. MERCIER: On the state level 13 do you know if there's a dataset for like 14 15 scenic views like observation points or 16 anything of that nature? THE WITNESS (Libertine): 17 Not 18 that I'm aware of that's just a general. 19 There obviously, if we're talking about the 20 Blue Blazed Trails, that type of thing, then there are scenic outlooks that are called 21 22 out, but I'm not aware of any statute or any 23 other -- I'm not sure what the right term 24 would be -- that singles out or states 25 scenic areas, per se. I think there are a

lot of what I'll call informal scenic areas 1 that are called out in a lot of plans of 2 conservation and development and again on 3 web sites, that type of thing. 4 5 MR. MERCIER: Have you seen that type of designation on the local level in 6 7 your experience? 8 THE WITNESS (Libertine): Only in 9 a very general sense. Again, I've never seen anything that has any what I'll call 10 regulatory in it in the sense that it's been 11 called out and is shown on maps and is 12 13 somehow promulgated as a scenic designated area, but certainly most towns will talk 14 about some of what they'll call their scenic 15 16 areas in general fashion, yes. 17 MR. MERCIER: Okay. Thank you. 18 I have no other questions at this time. 19 THE CHAIRMAN: Thank you. 20 Senator Murphy? 21 SENATOR MURPHY: No questions, Mr. Chairman. 22 23 THE CHAIRMAN: Mr. Ashton? 24 MR. ASHTON: No questions. 25 THE CHAIRMAN: Mr. Hannon?

1 MR. HANNON: I have no questions. Thank you. 2 THE CHAIRMAN: Dr. Klemens? 3 DR. KLEMENS: I have a few 4 5 questions. Mr. Libertine, attachment B on 6 the detailed site map, I'm looking at that, 7 8 and then I'm looking at figure 1 -- it's 9 somewhat confusing here -- which is also in the same attachment, it appears to me 10 that -- and tell me if that's correct --11 that there's a big central flat plateau in 12 the center of the site which is cleared? 13 THE WITNESS (Libertine): Yes, 14 15 there's a cleared field that's centrally 16 located at a plateau in the property. DR. KLEMENS: And I know you 17 18 talked earlier that there's visibility in 19 some of -- this is all talking now about alternative 2, which is the so-called 20 central location -- that you said there 21 could be visibility from certain residences 22 23 along Codfish Hill Road? 24 THE WITNESS (Libertine): 25 Correct.

1 DR. KLEMENS: If one were to take and follow the edge of the field and move 2 3 what is the orange arrow up maybe, I scaled it about 300 to 400 feet following the tree 4 5 line getting it truly in the center of the site, it's not much of an elevational 6 7 difference. Would that make a difference to 8 getting it even further away from residences 9 and having less of a visual impact? THE WITNESS (Libertine): 10 Well, it's a trade-off. I think from the 11 12 perspective of some of the locations on 13 Codfish Hill Road and to the south, Ichabod Lane, in that general area, I think that 14 15 would perhaps be some improvement. I do 16 have some concerns about folks to the north on Settlers Road and to the west on Windaway 17 18 Road. I think that may create a little bit more of a prominent view from those areas, 19 but again, it's a trade-off. 20 Site 2 is fairly centrally located on the site, but it 21 certainly -- a shift of a few hundred feet 22 could certainly make a difference on the 23 24 Codfish Hill Road side. As I say, I just 25 have a little bit of reservations about what

1 might start to open up to the west and to 2 the north from those --

3 DR. KLEMENS: Right. I can see 4 that the X on this one is really right at 5 the peak. So I guess as you move north 6 along the field, you'll be going off the 7 peak and you'll increase visibility to the 8 northern and western roads then?

9 THE WITNESS (Libertine): I think 10 just from their perspectives they're looking up onto that hillside. And there's no 11 visibility today from the Settlers Road 12 location unless you're looking through the 13 trees in the dead of winter and know what 14 15 you're looking for. That was a red balloon 16 at Site 1, and that was very difficult to see and spot. Windaway Road we have a 17 18 couple of photos, and I think you'll see there that you start to get some visibility, 19 so I think that might change from moving it 20 in that direction. 21

22 But yes, to answer your question, 23 certainly from Codfish Hill Road I think it 24 would make some difference. I think as you 25 get westerly on Codfish Hill Road -- and I

just want to pick out the right photo 1 number -- I think you're still going to have 2 one or two very short stretches of the road 3 where a tower is going to be above the tree 4 5 line regardless of where we locate it, particularly with Site 2. 6 7 DR. KLEMENS: So your sense then 8 is that Site 2 is the superior location for 9 visibility for the --THE WITNESS (Libertine): Well, 10 if we're strictly talking about number of 11 residential properties that have a potential 12 to see the tower, then the numbers from a 13 quantifiable standpoint, the numbers bear 14 15 that out. If you're asking me my own 16 personal opinion as to the better site, I tend to favor Site 1 because we can get a 17 18 lower height, it's buried in fairly thick woods, and I just think it overall provides 19 a lower profile on the horizon. Again, 20 that's just my own personal opinion. As I 21 22 say, the numbers tend to bear out from a residential standpoint solely that Site 2 23 24 would have less visibility. 25 DR. KLEMENS: It's very hard to

1 tell because what's going on just to the east of that, I see these long narrow -- how 2 close is there to another road at Site 1? 3 THE WITNESS (Libertine): 4 The 5 closest road to Site 1 to the east is Maple Drive and that's --6 7 DR. KLEMENS: It's not on this 8 map, so it makes it somewhat difficult to 9 actually --THE WITNESS (Libertine): 10 I'm 11 sorry, are you looking at the aerial 12 photograph still? 13 DR. KLEMENS: This one here, the one that has both on them, attachment B, 14 15 detailed site map. THE WITNESS (Libertine): I don't 16 17 know exactly which one that is. There is an 18 aerial photo in part one of the application 19 in the very beginning in the executive 20 summary. It's called aerial photograph that also shows it. It may be the same one 21 that's showing Site 1 and Site 2 on it. And 22 23 if you look to the east, you can just make 24 out --25 DR. KLEMENS: Okay. Thank you.

1 It's very helpful.

So that's your preferred site in 2 the sense of height? 3 THE WITNESS (Libertine): Having 4 5 seen both sites several times, and again now that we've got a reduced height going down 6 7 30 feet in that location, I think it makes a fairly dramatic difference in some of the 8 9 near views, so I tend to favor that site. 10 DR. KLEMENS: The site though would have a longer access road, correct? 11 THE WITNESS (Libertine): 12 It 13 would, yes. DR. KLEMENS: Would there be more 14 15 wetland impacts? THE WITNESS (Libertine): 16 Not that I'm aware of. I'll let Mr. Gustafson 17 18 speak to that. But my sense is that once we get by the general location of Site 2, we're 19 20 really going through an elevated open field that would not be requiring a lot of tree 21 22 clearing to get up into the Site 1 area, and it's being used now for travel for getting 23 24 to that part of the property. So I don't 25 believe it's a major difference in overall

environmental impact, but I'm going to let
 Dean speak to the wetland aspect.

3 THE WITNESS (Gustafson): From a 4 wetland impact perspective, talking about 5 these alternatives, I would agree, there 6 isn't a significant difference between the 7 two.

8 DR. KLEMENS: Do any of these 9 wetlands -- while I have you here, Dean, do 10 any these wetlands appear to you to have 11 vernal pool characteristics?

12 THE WITNESS (Gustafson): No. 13 The only qualification is that based on the limits of the wetlands shown on this 14 15 mapping, no habitats or potential harmful habitats were observed within this study 16 area. I think that for wetland 4, which is 17 18 located just to the northwest of 2, further down that drainage system and possibly off 19 site, but that would be a considerable 20 distance away from the proposed development. 21 There is the potential just because it's a 22 23 large enough water shed and it becomes 24 somewhat of a depressional wetland system, but that would be a considerable distance 25

1 from any development. 2 DR. KLEMENS: When you say a "considerable distance," can you quantify 3 4 that? 5 THE WITNESS (Gustafson): Greater 6 than 750 feet from the proposed --7 DR. KLEMENS: That's what I 8 wanted to hear. Thank you. 9 I have no further questions, Mr. Chairman. 10 11 THE CHAIRMAN: Thank you. 12 MR. ASHTON: I have a couple 13 questions. 14 MR. LEVESQUE: I just want to 15 answer because I have to excuse myself. I 16 didn't have any additional questions for the panel, and I didn't have any questions for 17 18 Mr. Gustafson. Excuse me. 19 (Whereupon, Mr. Levesque left the hearing room.) 20 21 THE CHAIRMAN: Mr. Hannon? 22 MR. HANNON: I have no questions. 23 THE CHAIRMAN: Mr. Ashton? 24 MR. ASHTON: Mr. Libertine, in 25 your work you have assumed a tree height of

65 feet; is that correct? 1 THE WITNESS (Libertine): Yes, 2 3 for the entire study area, yes. MR. ASHTON: Did you confirm that 4 5 by any field measurements at all? THE WITNESS (Libertine): We did. 6 7 There are certainly a substantial amount of 8 trees that are significantly taller than that height, but we tend to be very 9 10 conservative. 11 MR. ASHTON: What do you mean by "significantly taller"? 12 THE WITNESS (Libertine): 13 Some are in the 90 to 95-foot range. 14 15 MR. ASHTON: A tree height of 75 16 feet versus 65, what would that do to your visibility? 17 18 THE WITNESS (Libertine): Well, it honestly would not change the areas that 19 we've been able to field verify. Certainly 20 areas that we were not able to and we've 21 used the model, it could change it somewhat. 22 23 I don't think it would be overly 24 substantive. We were able to get in most 25 cases direct views from adjacent roads, so

we've tweaked our initial model to account 1 for the field observations. So it could 2 reduce it slightly, but 10 feet normally 3 doesn't make a huge difference. 4 5 MR. ASHTON: Would that be true then of 90-foot trees? 6 7 THE WITNESS (Libertine): You 8 start getting to 90 feet, you know, that's 9 probably a 25-foot difference from what we're modeling, that could start to -- you'd 10 start to see some reductions. That would be 11 a little bit more substantive. 12 13 MR. ASHTON: Thank you. Nothing further. 14 15 (Whereupon, Mr. Lynch entered the hearing room.) 16 17 THE CHAIRMAN: Thank you. 18 Mr. Lynch, we're concluding the cross examination of the applicant. I don't 19 know if you have --20 MR. LYNCH: I'm still trying to 21 22 catch up, Mr. Chairman, so thank you very 23 much. 24 THE CHAIRMAN: Okay. Thank you. 25 Let me just make sure I

1 understand correctly, Mr. Libertine. All things being equal and all the balancing 2 with the reduced heights, which is the one 3 that you -- the site that you feel would be 4 5 least impactful? THE WITNESS (Libertine): 6 7 Strictly from a visibility standpoint, I 8 favor Site 1. I'm not sure everyone on this 9 panel might agree with me, even on the 10 visibility standpoint. Again, the numbers don't necessarily bear it out in all cases 11 in terms of what would quantify the amount 12 of area overall where there could be 13 visibility, but I always favor shorter 14 15 towers where feasible. And in this case 16 because the vast majority of views are through the trees, I think that this site 17 18 tends to lend itself better to overall minimizing views. 19 If I understand, 20 THE CHAIRMAN: Mr. Gustafson, you feel that neither site 21 would have significant more impact than the 22

23 other site; is that correct?

24THE WITNESS (Gustafson): That's25correct. I mean, in the grand scheme of

things as far as potential wetland impacts, 1 there's no direct wetland impacts with 2 either site. As far as proximity to wetland 3 resources, generally speaking, the 4 5 nearest -- any of the activities that come within wetlands is about 50 feet. Site 1 6 7 does a little bit better job at providing 8 greater buffers to nearby wetland resources 9 than Site 2, but with respect to potential impact to functions and values, I don't 10 think development of either site would 11 adversely affect any of the wetland systems 12 13 located in proximity to either one of the sites. 14 15 THE CHAIRMAN: And I quess, 16 Mr. Centore, from a road construction standpoint, is there a significant 17 18 difference, impact or cost, of --19 THE WITNESS (Centore): There is 20 not. Site Number 1 has, although it has a longer road, has less grading requirements 21 around the compound area, where Site Number 22 23 2 has a shorter road but has considerably 24 more grading involving the compound area in 25 constructing the compound area. Tree

1 removals are pretty close for both scenarios in counts. 2 3 THE CHAIRMAN: Thank you. Mr. Hannon? 4 5 MR. HANNON: I know we've probably talked about it before, but from a 6 7 structural perspective when you're talking 8 about monopines, what sort of safe upper limit, I mean, because I thought like 150 9 was getting kind of beyond that scope? 10 11 THE WITNESS (Centore): Are we 12 talking about structural capacity or visibility? 13 14 No, just in terms of MR. HANNON: 15 when building some of the stealth units going in with a monopine, what seems to 16 really be sort of the limit of a safe 17 18 construction? It almost seems like the 150 elevation, from what I remember, I thought 19 that might be stretching it a bit? 20 THE WITNESS (Libertine): I don't 21 22 want to speak necessarily for the 23 structural, but if it is kind of an overlap. 24 I think we've certainly seen monopines as 25 tall as 160 and over, so structurally they

1 can be done. It certainly means the base and the foundation all has to be accounted 2 3 for, so you start to get a bit of a wider profile of the actual monopole itself. 4 Ι 5 was speaking strictly to once we start talking 150, even 140, that starts to get up 6 7 there, and in a Connecticut setting with the 8 tree canopy and everything else, there are 9 going to be locations where it's going to stick significantly above the tree line. 10 So from my perspective, I kind of -- I like to 11 12 see these type of facilities, if they're 13 going to be camouflaged with trees, to stay below that 150 or 140 threshold. 14 I just 15 think they work better in those capacities. 16 But Carlo may be able to speak a little bit more to the loading issues. Yes, 160 is the 17 18 tallest I've seen.

19 THE WITNESS (Centore): The tallest that our firm has worked on is 20 160-foot monopine in Winchester. 21 It was constructible. There were no issues in 22 23 constructing it. The mat foundation from 24 memory was about -- and actually we did that 25 a few times -- was about 27-foot square,

6-feet thick. So it was quite a substantial 1 mat as opposed to what we typically see as a 2 20 to 24-foot square mat on it. Again, it's 3 constructible. It's just a matter of how 4 5 much concrete you need and how much steel you need to make it work, but it's doable. 6 7 MR. HANNON: Thank you. 8 THE CHAIRMAN: Dr. Klemens, did 9 you have anything? 10 DR. KLEMENS: Is that the tower 11 you're referring to you see from 44? 12 THE WITNESS (Centore): Yes, I 13 would think so; yes. DR. KLEMENS: Thank you. It put 14 15 it into context for me. THE CHAIRMAN: 16 Mr. Mercier. 17 MR. MERCIER: Yes. I just want 18 to follow up on the diagram you were discussing earlier, the aerial photo. 19 Ι 20 think it's on page 6 of the application, part one. You were talking regarding Twin 21 22 Maple Drive, Windaway Road, and things of 23 that nature. Looking at the map at Site 1 24 and going due south, there's a property 25 that's kind of open, a house on it, with

1 some evergreens along the driveway. I think it's listed as 74 Codfish, according to the 2 abutters' map. Given the revised heights of 3 both facilities, what's your sense of 4 5 visibility from that particular property that kind of juts up into the site property? 6 7 THE WITNESS (Libertine): Well, I 8 think that's likely the one property that 9 has some form of direct or certainly indirect views. When I stood from Site 1 10 and looked back into that property during 11 the November 2013 float, I could see 12 13 portions of the home, and certainly I could see the back porch light on, so there are 14 15 lines of sight. My guess is, and again not 16 having been on the property for any of the 17 floats, my guess is that during the tree 18 heights -- excuse me, the tower heights down, particularly at Site 1, is probably 19 20 going to get that from that perspective closer to the tree line, if not in the tree 21 22 line, but that's -- I'm somewhat working on 23 conjecture here just having not stepped on 24 the property. Certainly the reduction in 25 height is going to be an improvement for

that property just because we're able to get 1 it down 20 and 30 feet respectively. 2 When I stood at Site 2, I could 3 not see directly into that property, but 4 5 again, the perspective is different as you're looking from the property towards 6 7 something in the air. But I guess to answer 8 your question, I think certainly it's going 9 to improve, whatever views there are, it's certainly going to be more buffered. 10 11 MR. MERCIER: You don't have a sense of which one might have the lesser 12 view, I guess --13 14 THE WITNESS (Libertine): Site 1 15 is slightly closer. MR. MERCIER: I mean, above the 16 17 trees. That's my sense. That's what I'm 18 asking, if you --19 THE WITNESS (Libertine): Μv guess is because it's at a little bit lower 20 21 ground elevation, that because we're able to drop 30 feet, Site 1 may actually come down 22 23 into the tree line where Site 2 may still be 24 slightly above the tree line from those 25 perspectives, but again, I can can't confirm

1 that.

Thank you. I have 2 MR. MERCIER: 3 no other questions. THE CHAIRMAN: Mr. Lynch? 4 5 MR. LYNCH: Mr. Libertine, coming back to the height of the tower and the tree 6 7 canopy again -- and I apologize for coming 8 in late. If you've gone over this, just let 9 me know, and we won't do it again. THE WITNESS (Libertine): Sure. 10 11 MR. LYNCH: What is the average 12 tree height in this area, do you know? THE WITNESS (Libertine): Well, 13 there are specimens that kind of range all 14 15 over the place, but around the site itself I think those trees are certainly anywhere 16 from 60 to 85 or 90-feet tall, depending 17 18 upon the type of trees we're talking about. 19 MR. LYNCH: That leads me to a 20 taller monopine, you know, would pretty much 21 stand out above that? 22 THE WITNESS (Libertine): 23 Certainly from some of the more what I'll 24 call the more remote locations, once we 25 start getting out about three-quarters of a

1 mile or so and wherever you're gaining any kind of elevation you're kind of looking 2 across a bit of a shallow valley. It kind 3 of dips in through the knolls there. 4 So 5 yes, there are some locations where it certainly is above the canopy significantly. 6 7 MR. LYNCH: Which leads me to my 8 real question in that wouldn't a thinner 9 profile of a monopole at those same distances be less obtrusive? 10 11 THE WITNESS (Libertine): From 12 those distances, yes, that's my opinion, and I think I'm on the record stating that. 13 Ι think where the discussion has gone prior to 14 15 you joining us was that there are some near 16 views through the trees on some of the not necessarily abutters but certainly some of 17 18 the neighbors that are within close proximity. So the question or at least the 19 discussion was going down the line of if 20 you're looking through the trees, especially 21 in the wintertime, would a monopine help 22 23 soften those views, and I think from those 24 locations certainly anything that could be 25 done in terms of concealment, whether it's

painting, adding the faux branches, that 1 type of thing, certainly would help. 2 MR. LYNCH: I thank you. And I 3 apologize for having you rehash everything 4 5 all over again. THE WITNESS (Libertine): Oh, no, 6 7 apologies aren't necessary. 8 THE CHAIRMAN: Dr. Klemens? 9 DR. KLEMENS: Yes. 10 In the category of possible rehash, I understand from reading the 11 12 transcript of these applications that Site 2 13 was developed at the request of the Town of Bethel; is that correct? 14 15 THE WITNESS (Coppins): That's 16 correct. DR. KLEMENS: And what were the 17 18 justifications, because everything you have 19 said is I don't understand what their interest was or justification was in asking 20 to locate it in the more central area? 21 THE WITNESS (Coppins): If you'll 22 23 go back to the same page that you had with the visibility, the cluster of trees that 24 25 look more into the middle of the property

right next to Site Number 2, right in the 1 middle of the clearing. 2 MS. KOHLER: On the aerial map. 3 THE WITNESS (Coppins): 4 On the 5 aerial map that you were just on. DR. KLEMENS: I see a cluster of 6 7 trees no where near Site 2. It's in the middle of a field. 8 9 THE WITNESS (Coppins): It's in the middle of the field, correct. 10 11 DR. KLEMENS: Yes. 12 THE WITNESS (Coppins): Originally when we -- we're going back 13 several years now, but originally the 14 15 landowner placed us in that spot, and we filed that on the land records. When we 16 went before the town and during the 17 18 technical report a year or two had passed 19 and since then she didn't want the -- the landowner didn't want it in that section; 20 however, the town thought it was in that 21 22 spot. And the questioning became more and 23 more at the town meeting of why we moved it. 24 And so we developed Site Number 1 was our 25 original technical report, and then at their

request wanted to know if we could move it 1 2 back to a more centrally-located spot in the 3 property, which we were able to, but she didn't want it in the middle of her field 4 5 again. She wanted to put it in behind what I call a rock cut, and that's where Site 6 7 2 -- how Site 2 became more of a viable 8 site. 9 DR. KLEMENS: But what was the 10 reason, did they say a reason for having it more central? Did they offer any kind of a 11 12 reason? THE WITNESS (Coppins): 13 The original reason was they wanted to move it 14 15 away from Site 1, which was the neighborhood 16 that was on -- what's the name of that road? THE WITNESS (Libertine): Twin 17 18 Maple. 19 THE WITNESS (Coppins): Twin 20 Maple Road. 21 DR. KLEMENS: So they wanted it 22 further away from Twin Maple Drive? 23 THE WITNESS (Coppins): Correct. 24 DR. KLEMENS: Which was the 25 reason they asked you to move it more

centrally? 1 2 THE WITNESS (Coppins): That's 3 correct. DR. KLEMENS: At that time what 4 5 was the height of the tower that you were proposing then? 6 7 THE WITNESS (Coppins): Once we determined the location, 170 feet was the 8 9 height that worked for AT&T. DR. KLEMENS: At Site 1? 10 11 THE WITNESS (Coppins): At Site 12 2. DR. KLEMENS: And at Site 1 what 13 14 was proposed? 15 THE WITNESS (Coppins): Was 150 16 feet. 17 DR. KLEMENS: Now it's 120 feet, 18 Site 1? 19 THE WITNESS (Coppins): That's 20 correct. 21 DR. KLEMENS: Okay. Thank you. 22 THE CHAIRMAN: Let's continue now 23 with Mr. Ainsworth who's representing the 24 Codfish Hill Environmental Trust. 25 MR. AINSWORTH: Mr. Libertine,

one of the first questions you were asked 1 was about a stealth facility. What were you 2 defining as a stealth facility when you gave 3 that testimony earlier today? 4 5 THE WITNESS (Libertine): I was under the impression we were talking about a 6 7 monopine. 8 MR. AINSWORTH: And just for the 9 benefit of all the Council members, at both Site 1 and Site 2, a monopine would be 10 beneficial for the let's say near site views 11 12 as opposed to the far site views? THE WITNESS (Libertine): Yes, I 13 14 agree with that; yes. 15 MR. AINSWORTH: And when you look 16 at the photograph that shows the view from the high school, which is a little over 17 18 three-quarters of a mile away, correct? 19 THE WITNESS (Libertine): Yeah, 20 about a mile away. MR. AINSWORTH: Or about a mile 21 22 away. At that distance the antenna 23 structure -- the tower structure appears to 24 be fairly thin on the horizon? 25 THE WITNESS (Libertine): Yes, it

1 does.

2	MR. AINSWORTH: So at that
3	distance would it also not be true that it
4	would be difficult to discern the difference
5	between a tall tree and a monopine in terms
6	of one being real and one being artificial?
7	THE WITNESS (Libertine): I think
8	generally, yes. I would only qualify that
9	in that from a lot of the views, certainly
10	in picture 17 from the original visibility
11	analysis for I believe it's Site 2, it would
12	be kind of what I'll call the lone pine.
13	There are pines actually to the south of
14	there to the right in that photo; but yes,
15	from that distance, yes, it would be hard to
16	tell the difference between whether that was
17	a real tree or a monopine.
18	And I think just to give
19	everybody some perspective, if you do look
20	at photo simulation number 17 from the
21	Bethel High School behind Site Number 2,
22	which is behind Exhibit 2 in the original
23	application, part one, I think if you were
24	to take the platforms that can be seen on
25	the horizon at the top of that facility and

more or less think of those as branches and 1 bring those all the way down with a bit of a 2 taper, that's essentially what you'd be 3 looking for. It would be a much tighter 4 5 configuration because it would be faux branches, but that might be helpful for 6 everyone in terms of maybe the overall width 7 8 or bulk of what it might look like on the 9 horizon. 10 MR. AINSWORTH: So given the relatively minor impacts at distance, 11 wouldn't it tend to favor giving relief to 12 13 the closer views for the nearby neighbor? THE WITNESS (Libertine): 14 15 Absolutely. Now, originally 16 MR. AINSWORTH: when North Atlantic -- and I'm not sure who 17 18 on the panel might be appropriate for this 19 one. When North Atlantic originally developed this application, did it do its 20 own, you know, coverage gap analysis, or 21 22 were you in communication with one of the 23 carriers? 24 THE WITNESS (Coppins): I think 25 from the first hearing we have an RF

engineer on staff, and we developed a search 1 ring based on the information that he 2 provided to us, and that's how we got this 3 4 site. 5 MR. AINSWORTH: But your RF engineer would have to be looking at 6 7 existing coverage; would he not? 8 THE WITNESS (Coppins): I'm sure 9 he was. MR. AINSWORTH: Was he looking at 10 coverage from a particular carrier's 11 12 perspective? THE WITNESS (Coppins): I can't 13 answer what he was necessarily looking at 14 15 because -- I mean, he provided a site, and that's when we went and looked. 16 17 THE CHAIRMAN: Excuse me, Mr. 18 Lynch has a follow-up. 19 MR. LYNCH: Mr. Ainsworth, can I 20 ask a follow-up question? 21 MR. AINSWORTH: Absolutely. 22 MR. LYNCH: Mr. Coppins, when 23 your RF engineer now is analyzing 24 territories or sites, being that the 25 industry has kind of changed a little bit

from coverage area to delivering data 1 services, do you take that into account in 2 3 your search? THE WITNESS (Coppins): I would 4 think that he does take that into account 5 with a search. Again, I'm not a hundred 6 percent sure how he determines a ring, but I 7 8 would assume so based on where the industry 9 has gone. MR. LYNCH: Thank you. 10 11 MR. AINSWORTH: So Mr. Coppins, 12 just to clarify, do you know what parameters 13 the RF engineer uses to determine where the coverage -- where the search rings would be 14 15 located? THE WITNESS (Coppins): I do not. 16 MR. AINSWORTH: Originally this 17 18 application obviously had AT&T involved. 19 Was North Atlantic Towers involved with or communicating with AT&T about their needs in 20 21 particular? 22 THE WITNESS (Coppins): 23 Absolutely, yes. 24 MR. AINSWORTH: And was North 25 Atlantic Towers in communication with any

1 other carriers regarding their coverage 2 needs?

3 THE WITNESS (Coppins): Once we determined an area and we have a property 4 5 under contract, we let all the carriers know where we are, what we're doing, and we work 6 7 with them on a day-to-day basis, yes. 8 MR. AINSWORTH: But that 9 communication or the notification to the other carriers would have been after the 10 initial selection was done for the site, 11 12 correct? THE WITNESS (Coppins): Yes. 13 MR. AINSWORTH: Because you had a 14 15 lease on it at that point? THE WITNESS (Coppins): A lease, 16 and we know of a need based on our RF 17 18 engineer, and then we send it out to the carriers, and they say yes or no, not at 19 this time, we need it, but maybe it's a 2020 20 21 or a 2015 site or whatever that date was. 22 MR. AINSWORTH: Clearly AT&T was 23 interested. What were the responses from 24 the other carriers? 25 THE WITNESS (Coppins): Well,

Verizon is here with us, so they obviously 1 are interested in the site as well. I 2 haven't heard anything back from T-Mobile or 3 4 Sprint. 5 MR. AINSWORTH: If AT&T were to locate on this -- well, you originally 6 7 determined the tower to be at 150 to 8 170-feet respectively, correct? 9 THE WITNESS (Coppins): That's 10 correct. 11 MR. AINSWORTH: And which carrier 12 was supposed to be on top of that tower? THE WITNESS (Coppins): That 13 would have been AT&T. 14 15 MR. AINSWORTH: So those heights were determined to be suitable for AT&T's 16 17 purposes? 18 THE WITNESS (Coppins): That's 19 correct. MR. AINSWORTH: And now that 20 21 they're out of the sort of the running here, you were able to reduce the heights to meet 22 the other carriers' needs? 23 24 THE WITNESS (Coppins): That is 25 correct.

MR. AINSWORTH: So if AT&T were 1 to locate on the tower in the future, they 2 would have to go at a lower height; would 3 they not? 4 5 THE WITNESS (Coppins): I'm not sure what their needs would be. They would 6 7 have to tell me what their height parameters 8 would be at that point in time. 9 MR. AINSWORTH: But if there were a tower let's say 120-feet or 150-feet high 10 and Verizon is at the top -- actually is it 11 12 Verizon that you were proposing to have at the top? 13 14 THE WITNESS (Coppins): Verizon 15 would be at the 120 and 150-foot, depending on the site. 16 MR. AINSWORTH: So if Verizon is 17 18 at the top of either one of these towers at 19 Site 1 or Site 2, then any other co-locating carrier would have to be at a 20 correspondingly lower height? 21 22 THE WITNESS (Coppins): 23 Typically, yes. 24 MR. AINSWORTH: And the next spot 25 down is, what, 20 feet below or --

THE WITNESS (Coppins): Ten feet, 1 2 yes. 3 SENATOR MURPHY: Can I ask a 4 question? 5 MR. AINSWORTH: Absolutely. 6 SENATOR MURPHY: You're now 7 talking about the reduced height. Are you 8 building this tower not to be expandable 9 upward? THE WITNESS (Coppins): 10 So to answer your question, we would build and do 11 our foundation as an expandable tower. 12 SENATOR MURPHY: And then under 13 the Federal Regulations you could go up to 14 15 10 percent? THE WITNESS (Coppins): I'm 16 sorry, I didn't hear that. 17 18 SENATOR MURPHY: Under the 19 Federal Regulations you can go up 10 20 percent. So in answer to Attorney Ainsworth's question, AT&T could have the 21 22 tower increased to go higher? 23 THE WITNESS (Coppins): That's 24 correct, but they would obviously have to come back before the Council. 25

1 SENATOR MURPHY: That's right, 2 but --3 THE WITNESS (Libertine): Senator Murphy, just for clarification or just I 4 5 guess for everyone's information, it's standard in this industry to construct and 6 7 build a foundation so that all towers are 8 expandable by at least 20 feet. That's 9 standard. SENATOR MURPHY: 10 I realize that, but the way he was answering the question, 11 12 it was like AT&T would have to go under, 13 which is not necessarily true because it can go up, right? 14 15 THE WITNESS (Libertine): Certainly. 16 SENATOR MURPHY: So I just wanted 17 18 to get on the right track. Or maybe he 19 misunderstood your question, but under 20 Federal Regulations they have a right to -almost the right to go up. So, I'm sorry. 21 22 MR. AINSWORTH: No, that's a fair 23 question, and actually that's where I was 24 headed. 25 SENATOR MURPHY: I'm sorry.

MR. AINSWORTH: But it doesn't
 matter who asked the question.

Now, obviously North Atlantic
must have looked at alternative locations
when you were trying to determine what site
to put forward before the Council?

7 THE WITNESS (Coppins): Yes, we 8 did.

9 MR. AINSWORTH: And I notice in Exhibit H of the original application that 10 there were some sites, and I'll refer to 11, 11 12 12 and 13, Sugar Street, Taunton Hill Road 13 and Dodgingtown Road. And let's say for Taunton Hill Road, it says "This site did 14 15 not meet the needs of AT&T and was ruled out as being too far outside of the ring." 16

When you saw that AT&T dropped out of this proceeding, did you go back and look at any of the previously-considered alternative sites to see if it would work for other carriers?

THE WITNESS (Coppins): We didn't look at -- we didn't go back and look mainly because we know that AT&T still has a need in the area in the vicinity. So if we were

1 to build one at Sugar Road, AT&T is coming back for another tower. 2 MR. AINSWORTH: If AT&T had such 3 a burning need to be at this location, don't 4 5 you think they would continue to be participating in the proceeding? 6 7 THE CHAIRMAN: If you know the 8 answer --9 MS. KOHLER: I object. That's not a fair question. 10 11 THE WITNESS (Libertine): This is a timing issue with AT&T. It's unfortunate 12 13 that we're here and they're not here with us, but this is a cyclical business decision 14 15 that is made by carriers, and for whatever reason, which is more planning and financial 16 than it is need driven, they elected not to 17 18 pursue this, and they've elected not to 19 pursue several other facilities that were in the planning stages at this time. 20 This is 21 not the first time this has happened. MR. AINSWORTH: True, but as a 22 23 result of their withdrawing from the 24 proceedings, their exhibits are no longer 25 part of these proceedings. If they had

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1	simply not shown up to this proceeding but
2	left their materials in the record, they
3	would have been able to certainly have
4	their need presented to the Council, albeit
5	without much advocacy. But they withdrew,
6	doesn't that indicate a lack of a public
7	need for their services at this location?
8	MS. KOHLER: I think the letter
9	that AT&T filed speaks for itself. It
10	indicates they still have a need for a
11	facility in the area, but right now
12	budgetary constraints indicate that they
13	cannot pursue the site at this point. I
14	think Attorney Laub's letter speaks for
15	itself.
16	MR. AINSWORTH: I don't want to
17	debate what it actually says, but I'm not
18	sure if budgetary was the sole reason.
19	So just to clarify, North
20	Atlantic Towers did not go back and relook
21	at any of the alternative sites with regard
22	to the other carriers' needs to see if any
23	of the alternatives would better suit their
24	needs, correct?
25	THE WITNESS (Coppins): No.

Again, because of the letter that was 1 written by AT&T, they still have a need for 2 this site in this location. 3 MR. AINSWORTH: Based on what 4 5 evidence in the record? THE WITNESS (Coppins): I think 6 7 AT&T provided a letter that stated so. 8 MR. AINSWORTH: But there's no 9 other technical data that would back that up in the record? 10 11 THE WITNESS (Coppins): We just 12 have a letter stating that they have a need. 13 MR. AINSWORTH: Now, we were talking about the relative merits of Site 1 14 15 and Site 2 in terms of visual impact to the 16 neighborhood. Isn't it true that the close views for the immediate neighbors would be 17 18 more prominent at Site 1 than they would be 19 at Site 2 because of the relative location 20 on the property? And the aerial photograph 21 would be of some assistance. THE WITNESS (Libertine): I think 22 there are probably six or seven homes on the 23 24 west side of Twin Maple Road that are 25 proximate to Site 1, and then we

1	mentioned we discussed 74 Codfish Hill
2	Road previously and abutting property there
3	that probably are maybe not equal distance
4	but probably fairly close to either of those
5	facilities. So I guess in that sense from a
6	strict proximity standpoint, yes, there's
7	probably a few more homes that are closer to
8	the Site 1, yes.
9	MR. AINSWORTH: I think I may
10	have asked this previously, but to your
11	knowledge, there's nothing preventing any
12	tree clearing within this particular
13	property, not the site, but the actual
14	property itself where the site is located?
15	THE WITNESS (Libertine): Nothing
16	preventing anyone in that neighborhood from
17	cutting their own trees down, no.
18	MR. AINSWORTH: And if there were
19	any tree clearing or development of the
20	site, wouldn't that make Site 1 particularly
21	more prominent to the Twin Maple Drive
22	residences than Site 2?
23	THE WITNESS (Libertine): Well,
24	if you're suggesting that tree clearing was
25	to occur east of Site 1 only, then certainly

it would reduce the amount of buffer of 1 forest; and yes, there would certainly be 2 increased views through the trees. 3 MR. AINSWORTH: When you 4 5 calculated the number of homes with views, that's only including houses -- views from 6 7 houses or yards themselves, correct? 8 THE WITNESS (Libertine): It's 9 only from within a -- somewhere within a 10 property, a residential property, yes. 11 MR. AINSWORTH: So it doesn't include the views of let's say residents who 12 are driving around town and how many people 13 would be able to see the tower? 14 15 THE WITNESS (Libertine): That's 16 correct. MR. AINSWORTH: You mentioned 17 18 that the base of the tower can be seen. Which tower were you referring to? 19 THE WITNESS (Libertine): 20 I'm not sure when I mentioned that, but certainly --21 I'm not sure about the base of the tower, 22 but certainly some of the lower portions of 23 24 either tower can potentially be seen through 25 the trees in the wintertime from some of the

1 neighboring properties. And the only reason -- I don't mean to be difficult. 2 When you say "base," I think of the compound 3 itself, and I think those first 15, 20 feet 4 5 are going to be fairly buried in both locations. So I'm very confident that 6 7 you're not going to have direct views to be 8 seen through a chain-link fence and into the 9 equipment. I'm more concerned with above 10 that level as you start to get into the tree line, that type, so the pole itself. 11 So that's the only distinction I'm making 12 between the base and what I'll call the main 13 portion of the pole. 14 15 MR. AINSWORTH: So then you're 16 talking about, let's say, from 15 or 20 feet to 40 feet, in that range? 17 18 THE WITNESS (Libertine): Or even higher, yes. Again, depending upon where 19 20 you are standing and where you're looking 21 and at what site. 22 MR. AINSWORTH: And you also 23 expressed -- you said you favor Site 1, 24 Mr. Libertine, and that was generally 25 because the views are reduced from the top

1 of the tower at a distance?

THE WITNESS (Libertine): 2 No, it's kind of a combination. I think the 3 reduced height overall is kind of swaying me 4 5 towards Site 1. Granted, we may be splitting some hairs here, but having driven 6 7 up and down Twin Maple Drive on a few 8 occasions now with the balloon, granted, at 150 feet, it was clear to me that there were 9 going to be some locations where you would 10 be able to see through the trees and see 11 12 portions of the pole. But when I take the 13 overall viewscape, that does include some more distant views, my sense is that at 120 14 15 feet I think Site 1 is going to be less visible overall, both to neighbors, both to 16 folks driving around, and at the high school 17 18 and other areas where we've shown and 19 demonstrated that there will be some 20 visibility, I think the character of those views are going to be less intrusive than 21 150-foot facility at Site 2. And again, 22 that's just my opinion. I'm not saying Site 23 24 2 would be grossly more visible, but if I 25 had to pick one strictly on a visibility

standpoint, that would be my selection would
 be Site 1.

3 MR. AINSWORTH: And you base that 4 on, you know, you talk about the balloon 5 height at 150 feet. You said you had some 6 weather challenges, which means there was 7 wind that day?

8 THE WITNESS (Libertine): On the 9 2nd of June for the Council hearing, yes, 10 that's correct.

MR. AINSWORTH: So that balloon wouldn't have been appearing at its full intended height; would it not?

14 THE WITNESS (Libertine): No, but 15 actually -- and I'm not trying to be cute here -- it actually in those conditions, not 16 that we would ever use that for a visibility 17 18 analysis that we do independently, but it 19 actually is helpful when the balloon is 20 being kicked off in these type of conditions only in the sense that you get an idea --21 22 again, we're looking at a red balloon. When you build a tower, you don't have that type 23 24 of coloration. We use red for that very 25 reason so that we can pick it out, but when

1 it starts to bounce around at lower elevations, it gives you a good idea as to 2 how much visibility is coming through the 3 woods. 4

5 So in that sense it was somewhat helpful going up and down Maple because 6 7 every once in a while you could see it 8 bouncing through the foliage, so it helped 9 me understand that, yeah, there are going to 10 be some -- it only substantiated, I guess, what I knew from our initial work is that 11 12 there are going to be some areas, 13 particularly in the winter, where you're going to be able to see through and be able 14 15 to see a portion of the pole. Other than that, no, the challenge of the wind is not 16 very helpful in other cases. 17 18 MR. AINSWORTH: And of course a monopine would assist those particular views 19 20 through the trees? THE WITNESS (Libertine): 21 It 22 would certainly help, yes, it would

definitely assist, as would painting it a 24 color. And the reason I say that is because

25 let's not forget when we're talking about

23

1 monopines, the branches typically are brought down to a portion of the pole that 2 starts to intercept the canopy of the trees 3 and a little bit, maybe 10 or 15 feet, below 4 5 that. So not necessarily are those branches going to come all the way down to what let's 6 7 call the fence line or the height of the 8 shelter 10 feet above grade, and so those poles are typically painted brown or some 9 other color to again assist with that 10 blending in. 11

12 So you're going to get kind of a different or a double effect here where 13 you've got faux branches being brought down 14 15 into the canopy so that as you look through 16 the trees, yes, it's going to look very 17 obscured, but you're going to say, oh, yeah, 18 that's greenery, but you're also going to have the main trunk of the tree which is not 19 going to likely have a significant amount of 20 branches below a certain height. So that 21 22 height could be from zero to 40, 45 feet. 23 MR. AINSWORTH: There's no 24 technical reason why you can't bring the 25 branches lower than that, is there?

1 THE WITNESS (Libertine): Not that I'm aware except for just the 2 structural consideration. 3 MR. AINSWORTH: But like --4 5 THE WITNESS (Centore): Clearance to equipment would be the only concern. 6 7 You've got shelter that's, you know, the top 8 of it's probably about 12 feet above grade, 9 so you'd want to clear that and any exhaust 10 from the generator and that sort of thing. So I would say 16 to 20 feet can be achieved 11 12 above grade. THE WITNESS (Libertine): 13 And I would add that in those cases if you were 14 15 going to bring it down that low, which has 16 been done in some cases, I would not advocate doing it to the full extent that 17 18 you would where you're trying to hide the antennas and the arrays that are at the top, 19 20 because again, if you go and look and walk through the woods, when you see pine trees, 21 22 a lot of times they start to lose their 23 lower branches and you get kind of a real 24 hodgepodge, for lack of a better --25 arrangement of those branches. So if we

were to consider that, I would say you'd 1 want to have that kind of a sporadic 2 arrangement so that it didn't look like a 3 Christmas tree essentially. I think that 4 5 would draw more attention to it, quite honestly, by having it too full in the 6 7 actual -- within the canopy, down within the canopy. 8 9 THE CHAIRMAN: Mr. Lynch has a 10 follow-up. 11 MR. LYNCH: Either Mr. Libertine 12 or Mr. Centore, I know in some of the 13 monopines they actually use, for lack of a better term, an artificial bark that goes up 14 15 and down the tree. How beneficial is that 16 in describing what Mr. Ainsworth is looking for? 17 18 THE WITNESS (Libertine): My own 19 feeling on the bark is that if you're within maybe 100 feet or less of it, then it's 20 somewhat beneficial because it might look 21 22 from that distance as though you have kind 23 of a bark around it. Once you start moving 24 away a couple a hundred feet, I honestly 25 don't think you're going to be able to tell

the difference as to whether that looks like 1 bark or whether it's just going to be brown 2 with different shades. That's all it's 3 going to be. You're not going to notice the 4 5 texture. We've actually gone through that exercise on several facilities that have 6 7 been built either with bark and without, and 8 we find, as I say, once you get beyond a 9 hundred and -- depending on how good your 10 eyes are -- anywhere from maybe 70 feet to maybe 150, I'll give you. Once you get 11 beyond there, you're not going to notice 12 that difference because it's a texture. 13 So the brown monopoles work almost as 14 15 effectively, again, once you get beyond that 16 distance. 17 MR. LYNCH: Thank you. 18 THE WITNESS (Libertine): I'm not 19 a big advocate of the bark. It's a lot of maintenance as well. I'd rather see the 20 money spent rather than on the bark and 21 22 doing additional branches on the tree, quite 23 honestly. 24 THE CHAIRMAN: Apparently it's a 25 subject of great interest to the Council.

Mr. Hannon and then Dr. Klemens would also
 have follow-up.

I just want to make 3 MR. HANNON: sure that I understand something. 4 In terms 5 of the visibility analysis that was done both for Site 1 and Site 2, for Site 1, 6 7 going back to the original application, I'm assuming that the antennas that are shown on 8 9 the tower are at the 10-foot increments? THE WITNESS (Libertine): 10 That's

11 correct.

12 MR. HANNON: So to try and get a better feel for Site 1, you'd be coming down 13 to about -- coming down to three level 14 15 antenna, and at Site 2 it would be two. So 16 we could theoretically look at the pictures 17 to get an idea of where the new top of the 18 tower would be, correct?

19 THE WITNESS (Libertine): That's 20 correct. We've actually done that in the The balloon is still shown at the 21 revised. original flown heights of 150 and 170, but 22 23 we've modeled the tower, and we're able to 24 drop it to 120 and 150 respectively. 25 MR. HANNON: Thank you.

1 THE CHAIRMAN: Thank you. Dr. Klemens? 2 DR. KLEMENS: I just would like 3 Mr. Libertine to maybe revisit the question 4 5 I asked earlier. You've been talking about visibility analyses, and you've brought sort 6 7 of three sort of classes in a sense, you 8 talk about the proximal neighbors, you've 9 talked about people driving around on the 10 roads, and you've talked about the far views. So if we could discard the far views 11 and discard the people driving around the 12 13 roads, can you tell me in your professional opinion the impact to the proximal 14 15 neighbors, compare 1 and 2, please, numbers and impacts between that? 16 THE WITNESS (Libertine): 17 When 18 you say "numbers," are you talking about the 19 number --DR. KLEMENS: 20 Number of residences and also the severity of the 21 impact because I think to me there's --22 that's the people that are here, that's the 23 24 people who have intervened, and I think I'd 25 like to understand from that perspective

what is the better design -- the better
 location, excuse me.

THE WITNESS (Libertine): Well, 3 it really doesn't change my original 4 5 opinion. Yeah, are there more folks along Twin Maple Drive that are closer to Site 1 6 7 than are to Site 2, yes, but I don't believe that every one of those folks on the west 8 9 side, certainly the folks on the east side, are not going to have direct views of the 10 site. And when we drop it by 30 feet, I 11 think a lot of the views really do get 12 13 buried. I'm not against Site 2 being constructed. I just always -- I'm always in 14 favor of a shorter tower. I think these are 15 very close in terms of the views to 16 neighbors, so I think I stand by Site 1. 17 Ι 18 think it's close. I'm not saying it's 19 overwhelming, but if it were me, I always favor a shorter tower. 20 21 Okay. DR. KLEMENS: Thank you. 22 Thank you, Mr. Chairman. 23 THE CHAIRMAN: Mr. Ainsworth, 24 continue. MR. AINSWORTH: 25 Thank you, sir.

And just to follow up on that 1 last line, but Site 2 is actually 800 feet 2 further away than Site 1 from the Twin Maple 3 Drive residences. Isn't that a significant 4 5 distance given that there is some tree cover between those two sites? 6 7 THE WITNESS (Libertine): Yes, 8 it's certainly substantial; yes. 9 MR. AINSWORTH: And of course 10 when you render your opinion as to which one you believe is better from a visual 11 perspective, have you consulted with the 12 neighbors in that determination? 13 THE WITNESS (Libertine): 14 The only consultation I've had with the 15 neighbors was when we flew Site 1 in 16 November of 2013. One of the neighbors was 17 18 out walking the property, and we had a chat for quite a while. And it was very 19 productive, I thought, but that's the only 20 21 consultation I've had with the neighbors. MR. AINSWORTH: And also just to 22 23 clarify, the reason why Site 1 is able to go 24 down to 120 and Site 2 is at 150 is because 25 the location at Site 2 is actually lower in

geographical height physically, correct? 1 THE WITNESS (Libertine): 2 I believe so. I don't have the numbers in 3 front of me, but I believe so. 4 5 THE WITNESS (Centore): Correct, it's the change in ground elevations between 6 7 the two locations. 8 MR. AINSWORTH: So from distant 9 views, the two should be relatively similar because they are effectively the same height 10 above mean sea level; isn't that true? 11 THE WITNESS (Libertine): Yes, I 12 13 think that's safe to say. 14 MR. AINSWORTH: So in terms of 15 the differences of visual impact, it would be the closer views that would be differing 16 in quality as opposed to the distant views? 17 18 THE WITNESS (Libertine): 19 Depending on where you're standing. Quite 20 honestly, I don't believe this is a very visible site, whether you're talking about 21 Site 1 or Site 2. I know that's not a 22 23 popular answer in this room, but that's 24 based on what we've been able to determine. 25 I don't think either one of these sites are

1 going to be very visible from neighbors.

2	Now, are there going to be a few
3	folks in the area who are going to be able
4	to look through and see portions of it?
5	Yes, we can't make these things invisible.
6	But I've been doing this for over 20 years.
7	This is as good as a site as they come,
8	either Site 1 or Site 2. It's not easy to
9	locate these type of facilities when you
10	stick a pole up in the air 130 or 150-feet
11	tall. This is minimal visibility overall.
12	And that's really where I come
13	down to on this site. Look, I have no
14	problem if they want to select Site 2 over
15	Site 1, if everyone thinks that's a better
16	site from proximity to close neighbors. I
17	don't think it makes a big difference. A
18	hundred and thirty versus 150 to those
19	neighbors I think does make a bit of a
20	difference. That's really where I'm
21	splitting the hairs over.
22	MR. AINSWORTH: And there are
23	air-conditioning units that are installed
24	typically at these sites?
25	THE WITNESS (Libertine): Yes.

1 MR. AINSWORTH: And they generate some noise outside of the compound; is that 2 not true? 3 THE WITNESS (Centore): Yes, they 4 5 do. MR. AINSWORTH: And being, let's 6 7 say, 800 feet further away should make a difference in the quality of any sound that 8 9 10 THE WITNESS (Centore): I'm going to say it would be below the dB requirements 11 12 to the property lines that are state 13 required noise levels at the property line, just based on our experience with these 14 15 types of units. What could be done too is 16 they could be oriented to be away from the neighborhoods as part of the design, which 17 18 is easy enough to do. 19 MR. AINSWORTH: But relative, Site 1 to Site 2, the one that's more 20 centrally located would be further away from 21 22 the residences, so regardless of the state 23 requirements, it would be quieter from any 24 receptor being further away; would it not? 25 THE WITNESS (Centore): Yes.

THE WITNESS (Libertine): Not any 1 2 receptor. We're making the assumption that we're talking just about Twin Maple Drive 3 now because Site 2 does have proximity to 4 other neighbors, just so we're all on the 5 same page here. 6 7 THE WITNESS (Centore): Yes, with shorter distances. 8 9 MR. AINSWORTH: Nothing further at this time. 10 Thank you. 11 THE CHAIRMAN: Okay. 12 Attorney Baldwin, do you have 13 anything? 14 MR. BALDWIN: Just one question, 15 Mr. Chairman. I'd just like to follow up 16 quickly on the question Mr. Ainsworth asked 17 18 regarding the alternative sites that were 19 considered as part of the application. I would ask if you could summarize for the 20 21 Council or remind the Council the information in the site summary, which I 22 think is Exhibit H? Site 1 in that list is 23 24 the site at Codfish Hill Road that's 25 proposed; is that correct?

THE WITNESS (Coppins): That's 1 2 correct. MR. BALDWIN: And Sites 2 through 3 4 8 and Site 13, the reasons why those sites 5 were rejected is because the property owner was not interesting in leasing space on 6 7 those parcels; is that correct? 8 THE WITNESS (Coppins): That's 9 correct. MR. BALDWIN: And only parcels 9, 10 10, 11 and 12 were rejected by, I assume, 11 AT&T for RF reasons; is that correct? 12 THE WITNESS (Coppins): That's 13 correct. 14 15 MR. BALDWIN: And then Site 14 on that list was rejected for limited ground 16 17 space; is that correct? 18 THE WITNESS (Coppins): Yes, 19 that's correct. 20 MR. BALDWIN: Do you have any reason to believe that going back to any of 21 22 those property owners who were not 23 interested in the past would be interested 24 today? 25 THE WITNESS (Coppins): Ι

actually have gone back to them prior to filing, and I have one very nasty e-mail that said absolutely not and spoke -- yes, we did go back to them, and they were not interested. MR. BALDWIN: Thank you. Nothing further. THE CHAIRMAN: We're going to break for lunch now until quarter of 2, and then we'll continue with Verizon. (Whereupon, the witnesses were excused and a recess for lunch was taken at 12:49 p.m.) 

AFTERNOON SESSION 1 1:48 P.M. 2 THE CHAIRMAN: Good afternoon. 3 4 We'll resume our hearing. It's 5 approximately 1:50. And we'll now go to the appearance by the intervenor, Cellco 6 7 Partnership, Attorney Baldwin. 8 MR. BALDWIN: Thank you, 9 Mr. Chairman. Again, Kenneth Baldwin with Robinson & Cole on behalf of the intervenor, 10 Cellco Partnership doing business as Verizon 11 Wireless. 12 We have two witnesses to present 13 this afternoon. Carlo Centore with Centek 14 15 Engineering has already been sworn, but we 16 also have Ryan Ulanday who's a radio frequency design engineer with Cellco 17 18 Partnership, and I would offer him to be 19 sworn at this time. RYAN ULANDAY, 20 called as a witness, being first duly 21 sworn by Ms. Bachman, was examined and 22 testified on his oath as follows: 23 24 CARLO F. CENTORE, 25 having been previously duly sworn,

testified further on his oath as 1 follows: 2 MR. BALDWIN: Mr. Chairman, I 3 4 have four exhibits that Cellco would like to 5 offer today. They are listed in the hearing program under Roman IV, subsection B, items 6 7 1 through 4. And I offer them now for 8 identification purposes, subject to 9 verification. If I could ask my witnesses to 10 verify those exhibits? Did you prepare or 11 assist in the preparation of the exhibits 12 13 listed in the hearing program under Roman IV, Section B, 1 through 4? Mr. Ulanday? 14 15 THE WITNESS (Ulanday): Yes, I did. 16 MR. BALDWIN: Mr. Centore? 17 18 THE WITNESS (Centore): Yes, I 19 did. MR. BALDWIN: And do you have any 20 corrections or modifications to offer to any 21 of the information contained in those 22 23 exhibits at this time? Mr. Ulanday? 24 THE WITNESS (Ulanday): I have 25 one correction. In our response to question

number 11 on the first set of 1 interrogatories, our response to question 2 number 11 should have been "No. 3 As mentioned above in response to question 4 5 number 10," instead of question "11." 6 MR. BALDWIN: Mr. Centore? 7 THE WITNESS (Centore): I do, I have one correction. Under Set I of the 8 9 interrogatory responses to question number 12, there's a call out for the ground 10 equipment to be a "12 by 30" shelter. 11 The correction needs to be made to reflect a "12 12 by 26" shelter. 13 MR. BALDWIN: And with those 14 15 corrections and modifications, is the information contained in those exhibits true 16 and accurate to the best of your knowledge? 17 18 Mr. Ulanday? 19 THE WITNESS (Ulanday): Yes. MR. BALDWIN: Mr. Centore? 20 21 THE WITNESS (Centore): Yes. 22 MR. BALDWIN: And do you adopt 23 the information in those exhibits as your 24 testimony today? Mr. Ulanday? 25 THE WITNESS (Ulanday): Yes.

1 MR. BALDWIN: Mr. Centore? THE WITNESS (Centore): Yes. 2 MR. BALDWIN: I offer them as 3 4 full exhibits, Mr. Chairman. 5 THE CHAIRMAN: Is there any 6 objection? 7 MR. AINSWORTH: No objection. 8 MS. KOHLER: No objection. 9 THE CHAIRMAN: Okay, the exhibits are admitted. 10 11 (Intervenor Cellco Partnership d/b/a Verizon Wireless Exhibits IV-B-1 12 through IV-B-4: Received in evidence -13 described in index.) 14 15 THE CHAIRMAN: We'll now go to the cross-examination starting with 16 Mr. Mercier. 17 18 CROSS-EXAMINATION 19 MR. MERCIER: Thank you. Let's begin by looking at Cellco 20 21 Exhibit 4. This is the supplemental 22 responses to Siting Council interrogatories 23 submitted on July 7th. Attached to the 24 document are supplemental maps 5 through 12. 25 So I'll just look at numbers 5 to 8 really.

Now, I understand Verizon intends 1 to install equipment servicing four 2 different frequencies. I'm just trying to 3 determine the relationship between your data 4 5 service frequencies, that's the 700 megahertz and the 2100 megahertz, is that 6 correct, those are specific to data 7 8 services? 9 THE WITNESS (Ulanday): That's 10 correct. 11 MR. MERCIER: How do the two different wireless services interrelate? 12 13 THE WITNESS (Ulanday): The 700 and the 2100? 14 15 MR. MERCIER: Yes. THE WITNESS (Ulanday): Actually 16 17 the lower the frequency, the farther away it 18 gets. So with 700 megahertz we can get more coverage compared to the 2100 megahertz 19 20 frequency. MR. MERCIER: What would be the 21 22 advantage of having the 2100 megahertz? 23 THE WITNESS (Ulanday): Actually 24 the advantage of getting the 2100 would be 25 the additional capacity.

1 MR. MERCIER: So nearer a tower you can pick up additional users? 2 THE WITNESS (Ulanday): 3 Yes, within a certain distance within the tower. 4 5 MR. MERCIER: So it's capacity only? 6 THE WITNESS (Ulanday): Capacity 7 8 only, yes. 9 MR. MERCIER: Is it possible just to instead of having 2100 megahertz antennas 10 to install another set of 700 antennas, is 11 that something that ever could be done such 12 13 as, you know, do you have double the amount of 700 services, is that possible? 14 15 THE WITNESS (Ulanday): Right now we only have one block of 700 megahertz 16 because in the future we may get another 17 18 one, but as of today we have only one block 19 of 700. 20 MR. MERCIER: So your antennas at we'll say the Codfish Hill sites, the 21 22 proposed ones, have a certain block, and due 23 to data services they could reach capacity; and if they did, then the 2100 megahertz 24 25 picks up the additional capacity?

1 THE WITNESS (Ulanday): That's 2 correct. 3 MR. MERCIER: Thank you. Now, is the same true for your 4 5 voice data services, 850 and 1900 megahertz systems? 6 THE WITNESS (Ulanday): That's 7 8 correct. For 850 that's our main frequency 9 that we use for our 3G. MR. MERCIER: Give me a moment. 10 11 (Pause.) 12 MR. MERCIER: Now for this 13 proposed tower, which of the four frequencies determines the height you would 14 15 need or requesting for that matter? 16 THE WITNESS (Ulanday): It would be the 700 megahertz frequency. 17 18 MR. MERCIER: In regards to the 19 responses to the Council interrogatories, Set II, response 3, that was also July 7, it 20 21 states that the proposed Codfish Hill site 22 would provide capacity related to the Alpha 23 sector of Cellco's Bethel site, which has 24 already been exhausted. What service 25 frequency has already been exhausted at the

1 Bethel site?

2 THE WITNESS (Ulanday): Right now 3 it's the 700 megahertz frequency.

4 MR. MERCIER: And does this 700 5 megahertz service extend to the Codfish Hill 6 area currently?

7 THE WITNESS (Ulanday): Right now
8 it extends to the Codfish Hill, but it is
9 very unreliable.

MR. MERCIER: Now, going back to 10 those coverage maps you submitted as part of 11 12 the supplemental responses, I'll just pick 13 map 5, which is 700, 120 feet at Site 1, just to discuss how the coverage works for 14 15 that matter. The area that's shown as 16 magenta is listed as proposed 700 megahertz 17 coverage, and it's over the top of purple coverage, it says existing. So in that area 18 where the magenta is covering existing 19 20 service, does that represent capacity relief in some way? 21

THE WITNESS (Ulanday): It could represent a capacity, but the purple right now I have actually -- that's the coverage for the existing sites, right?

1 MR. MERCIER: Yes. THE WITNESS (Ulanday): But when 2 we get to Bethel East, we would definitely 3 optimize those existing sites, so we will 4 have to create a hole to minimize 5 interference and noise issues, signal to 6 7 interference and noise issues. 8 MR. MERCIER: Just so I 9 understand, so assuming that this tower was 10 constructed, the proposed tower, you would go to the Bethel site and kind of optimize 11 it, as you said, to reduce the amount of 12 13 overlap with the new Codfish Hill tower; is that right? 14 15 THE WITNESS (Ulanday): That's 16 correct. MR. MERCIER: In areas where 17 18 there will be overlap, how does a wireless device assign to a particular tower? 19 20 THE WITNESS (Ulanday): The network actually selects. It depends on --21 22 there's actually a couple of parameters that the cell phone looks at. First of all, the 23 24 power that it receives from all the sectors, 25 and then there's what we call the quality,

quality of the signal. So those two are the
 major.

MR. MERCIER: So a device, if 3 you're on the overlapping area and it's 4 5 going to try to go on, so we'll just say the existing Bethel site, but that's at all the 6 7 available, I'll call them, slots are used, 8 so it would just automatically transform 9 over to the Bethel, new Bethel East site? THE WITNESS (Ulanday): 10 That's correct. That's another parameter that the 11 network looks at. If one sector is already 12 13 congested, the network may allocate it to another sector with less traffic. 14 15 MR. MERCIER: Going back to the 16 map here, I see that some of the proposed 700 megahertz service extends up to the site 17 18 called Bethel North. Would that also provide capacity relief to that particular 19 20 location? 21 THE WITNESS (Ulanday): It may 22 just be actually that we didn't optimize the 23 Bethel East proposed site. That's why it's 24 going up towards Bethel North, but 25 definitely we'll be able to -- when we get

the site, we will definitely optimize it not 1 2 to overlap Bethel --MR. MERCIER: So it would be 3 4 optimized to relieve Bethel Alpha but also 5 be optimized to limit interference with adjacent sites that might be shown on this 6 7 particular --8 THE WITNESS (Ulanday): That's 9 correct. 10 MR. MERCIER: Okay. I have no other questions at this time. Thank you. 11 12 THE CHAIRMAN: Thank you. 13 Senator Murphy? SENATOR MURPHY: Mr. Ulanday, 14 15 from an RF engineer's standpoint, which of these proposed towers is the best for 16 Verizon? 17 18 THE WITNESS (Ulanday): RFIs, 19 they cover what we wanted to cover, so as for my personal opinion, they're the same. 20 21 SENATOR MURPHY: So as far as you're concerned, it makes no difference 22 23 from an RF standpoint? 24 THE WITNESS (Ulanday): RFIs, 25 there's no difference or very little

1 difference for that matter.

SENATOR MURPHY: Okay. I have no 2 3 further questions, Mr. Chairman. 4 THE CHAIRMAN: Mr. Ashton? 5 MR. ASHTON: Just a couple of questions. When we talk about a frequency 6 7 block, we're really talking about discrete 8 frequencies assigned to Cellco in this case 9 within a broad frequency band; is that fair 10 to say? 11 THE WITNESS (Ulanday): That's 12 correct, licensed. 13 MR. ASHTON: Right, you're licensed to use only certain frequencies? 14 15 THE WITNESS (Ulanday): That's 16 correct. MR. ASHTON: It may be a few 17 18 megahertz bandwidth, but you can only 19 operate in that area at 700 or whatever number it is. And as I recall, 700 is the 20 old TV frequency block, isn't it? 21 22 THE WITNESS (Ulanday): It is the 23 old, yes, the old frequencies from the UHF 24 televisions. 25 MR. ASHTON: So TV was

1 reassigned, and you're able to purchase 2 this, a block of frequency in that area; is that right? 3 THE WITNESS (Ulanday): That's 4 5 correct. MR. ASHTON: And it's to 6 7 everyone's advantage, I assume, to be able 8 to operate in the 700 range because, as you 9 testified, it carries further; is that fair 10 to say? 11 THE WITNESS (Ulanday): That's 12 correct, yes. 13 MR. ASHTON: So insofar as you can use 700, it means the tower spacing can 14 15 be further apart for a given load? 16 THE WITNESS (Ulanday): That's correct, but it depends on a lot of factors 17 18 like the terrain. 19 MR. ASHTON: Oh, yeah. Okay. Well, all things being equal? 20 21 THE WITNESS (Ulanday): Yes, 22 definitely. 23 MR. ASHTON: I have nothing 24 further. Thank you. 25 THE CHAIRMAN: Thank you.

Dr. Klemens? 1 DR. KLEMENS: I have no 2 3 questions. Thank you. 4 THE CHAIRMAN: Mr. Hannon? 5 MR. HANNON: I have no questions. 6 Thank you. 7 THE CHAIRMAN: Mr. Lynch? MR. LYNCH: The only questions I 8 9 had were on data service delivery, and Mr. Mercier covered them very well. 10 THE CHAIRMAN: Mr. Mercier? 11 12 MR. MERCIER: Just one other follow-up question regarding the existing 13 Bethel site. Is there 2100 megahertz 14 15 equipment on that site? 16 THE WITNESS (Ulanday): Yes, there is. 17 18 MR. MERCIER: So how does that relate to the capacity problem at the 700 19 level that you're experiencing on the Alpha 20 21 sector? THE WITNESS (Ulanday): Like I 22 23 mentioned earlier, the 2100 megahertz 24 actually don't go that far. That's why the 25 700 megahertz that we are experiencing

1 congestion right now or exhaustion.

2	MR. MERCIER: Okay. Thank you.
3	THE CHAIRMAN: Thank you.
4	The applicant, Attorney Kohler?
5	MS. KOHLER: I have no questions
6	for Verizon.
7	THE CHAIRMAN: Okay. Attorney
8	Ainsworth, Codfish Hill Environmental Trust?
9	MR. AINSWORTH: Thank you, sir.
10	You mentioned there's 700
11	megahertz congestion, or you said I think
12	you used both "congestion" and "exhaustion."
13	What's the difference between those two
14	terms in your parlance?
15	MR. ASHTON: Mr. Ainsworth, would
16	you keep your voice up? We're going to have
17	this room redecorated, I understand, and
18	maybe that will solve the problem. It's a
19	dead room sound wise, and even your clients
20	can't hear.
21	MR. AINSWORTH: Let me repeat the
22	question.
23	You used both the terminology of
24	"congestion" and "exhaustion" for 700
25	megahertz. Could you explain the difference

1 between those two?

2	THE WITNESS (Ulanday): Actually
3	they are basically the same. It just means
4	that the resources available right now on
5	that site has been exhausted, but I guess
6	the congestion term has been from my
7	experience way back in GSM days we called it
8	congestion, so basically they are the same.
9	MR. AINSWORTH: Did Cellco have a
10	search ring in this area prior to this
11	application?
12	THE WITNESS (Ulanday): Yes.
13	MR. AINSWORTH: And was Cellco in
14	communication with the applicant prior to
15	them submitting their application?
16	THE WITNESS (Ulanday): No.
17	MR. AINSWORTH: What sites did
18	Cellco have that it investigated in this
19	area prior to the application?
20	THE WITNESS (Ulanday): We
21	actually answered that in Question Number 11
22	where we mentioned that we've always had a
23	search area within the area, but due to
24	budgetary constraints we didn't really
25	commence to doing the formal search for

1 candidates.

MR. AINSWORTH: So is it fair to 2 say that Cellco didn't do an RF analysis on 3 alternative locations prior to the 4 5 application? THE WITNESS (Ulanday): Yes, they 6 7 did not. 8 MR. AINSWORTH: And there were 9 some alternative locations that were looked at by AT&T. Did Cellco do any RF analysis 10 on those locations? 11 12 THE WITNESS (Ulanday): No, we did not. 13 MR. AINSWORTH: Did Cellco review 14 15 any alternative technology that might be able to be used to provide the capacity that 16 it's looking for with this facility? 17 18 MR. BALDWIN: Could you just be 19 more specific? "Alternative technology" is kind of a broad term. 20 21 MR. AINSWORTH: Sure. Did Cellco 22 investigate another method other than the standard cell sites such as a microcell or a 23 24 repeater or DAS? 25 THE WITNESS (Ulanday): No, we

1 did not.

2 MR. ASHTON: Was there any reason 3 that you did not? THE WITNESS (Ulanday): When we 4 5 got this petition from AT&T, that's the only option that we looked at. And when we --6 based on our analysis, the site will --7 8 we'll get what we want from the site, so we 9 jumped right into what they are proposing. MR. ASHTON: 10 Is it fair to say that if you chose a small tower, you would 11 12 not get the coverage you do out of a site like this; is that fair to say? 13 14 THE WITNESS (Ulanday): That's 15 correct. 16 MR. ASHTON: So that alternatives are not necessarily equal in their 17 18 capability to what you're getting as 19 proposed? 20 THE WITNESS (Ulanday): They are 21 definitely very different. 22 MR. ASHTON: Thank you. 23 THE CHAIRMAN: Mr. Lynch? 24 MR. LYNCH: Under the DAS system 25 would you be able to incorporate all your

different frequencies? 1 THE WITNESS (Ulanday): That's 2 3 the limitation actually for that system, you can only choose a frequency. You are 4 5 limited to expansion, so you have to deploy that one frequency, and if you need to 6 7 expand, there's no way to -- there's very 8 limited way to expansion. 9 MR. LYNCH: Which frequency would be eliminated? 10 11 THE WITNESS (Ulanday): Can you -- I said "limited," not "eliminated." 12 13 MR. LYNCH: Okay. Sorry. Thank 14 you. 15 MR. AINSWORTH: So as you sit 16 here today as an RF engineer, you're not aware of any other alternative site --17 18 whether any alternative site would provide 19 what Cellco needs or whether it would do it better? 20 THE WITNESS (Ulanday): That's 21 22 probably true. 23 MR. ASHTON: Mr. Ainsworth, don't we have to qualify that by saying a site 24 25 that is available? There could be a

gazillion alternate sites that might work,
 but if none of them are available, they're
 all for naught.

4 MR. AINSWORTH: Sure. And for 5 example, Cellco would have no knowledge of 6 whether 131 Taunton Hill Road in Newtown 7 would provide adequate coverage?

8 MR. BALDWIN: Mr. Ainsworth, I 9 think we've answered that question. I think what Mr. Ulanday has said is that Verizon 10 Wireless did not investigate the other sites 11 that are included in the site search summary 12 13 presented in the application. So since that is one of those, I think we've answered that 14 15 question.

16 THE CHAIRMAN: I think you're 17 correct. 18 MR. AINSWORTH: Then I have no 19 further questions for this applicant.

20 THE CHAIRMAN: Before closing
21 this hearing, the Connecticut Siting
22 Council -23 Attorney Kohler, you're looking

at me as if you want to I don't know what.
MS. KOHLER: No, I just wanted to

just make a brief closing statement. 1 THE CHAIRMAN: We don't normally, 2 unless there's -- because then we need 3 4 everybody --5 MS. KOHLER: Okay. That's okay. THE CHAIRMAN: And it would just 6 7 go on and on. And there will be, as I will state in a matter of seconds, an opportunity 8 9 obviously to submit --10 MS. KOHLER: We don't have any rebuttal then. 11 12 THE CHAIRMAN: Okay. Thank you. Before closing this hearing, the 13 Connecticut Siting Council announces that 14 15 briefs and proposed findings of fact may be 16 filed with the Council by any party or intervenor no later than August 13th, so 17 18 that hopefully answers that question. The 19 submission of briefs or proposed findings of 20 fact are not required by the Council, rather we leave it to the choice of the parties and 21 22 intervenors. 23 Anyone who has not become a party 24 or intervenor but who desires to make his or

25 her views known to the Council may file

written statements with the Council within 1 30 days of the date hereof. 2 3 The Council will issue draft 4 findings of fact, and thereafter parties and intervenors may identify errors or 5 inconsistencies between the Council's draft 6 7 findings of fact and the record. However, 8 no new information, no new argument or 9 evidence or reply briefs without our permission will be considered by the 10 Council. 11 Copies of the transcript will be 12 made of the hearing and will be filed with 13 the Bethel Town Clerk's Office. And I 14 15 hereby declare the hearing adjourned. And thank you all for your participation. 16 17 (Whereupon, the witnesses were 18 excused, and the above proceedings were 19 adjourned at 2:14 p.m.) 20 21 22 23 24 25

1	CERTIFICATE
2	I hereby certify that the foregoing 115
3	pages are a complete and accurate
4	computer-aided transcription of my original
5	stenotype notes taken of the Council Meeting
6	in Re: DOCKET NO. 458, FLORIDA TOWER
7	PARTNERS LLC d/b/a NORTH ATLANTIC TOWERS FOR
8	A CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY
9	AND PUBLIC NEED FOR THE CONSTRUCTION,
10	MAINTENANCE, AND OPERATION OF A
11	TELECOMMUNICATIONS FACILITY AT ONE OF TWO
12	LOCATIONS AT 62-64 CODFISH HILL ROAD,
13	BETHEL, CONNECTICUT, which was held before
14	ROBERT STEIN, Chairman, and JAMES J. MURPHY,
15	JR., Vice Chairman, at the Connecticut
16	Siting Council, Ten Franklin Square, New
17	Britain, Connecticut, on July 14, 2015.
18	
19	
20	Lie Wally
21	
22	Lisa L. Warner, L.S.R., 061
23	Court Reporter
24	
25	

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