In The Matter Of:

State of Connecticut Connecticut Siting Council

> Docket No. 472 June 15, 2017

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Con	inecticut Siting Council		June 15, 2017
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1	STATE OF CONNECTICUT	1	A p p e a r a n c e s:(cont'd)
2	CONNECTICUT SITING COUNCIL		For CELLCO PARTNERSHIP d/b/a VERIZON WIRELESS:
3			
4	Docket No. 472	3	
5	Application from Cellco Partnership d/b/a Verizon	4	
6	Wireless for a Certificate of Environmental	5	,
7	Compatibility and Public Need for the	6	
8	Construction, Maintenance and Operation of a	7	
9	Telecommunication Facility Located at 541	8	
10	Broadbridge Road in Bridgeport, Connecticut	9	
11		10 11	
12	Siting Council Hearing held at the Bridgeport		
13	City Hall, Council Chambers, 45 Lyon Terrace,	12	
14	Bridgeport, Connecticut, Thursday, June 15, 2017,	13	
15	beginning at 3:00 p.m.	14	
16	beginning at 5:00 p.m.	15	
		16	
17	Held Before:	17	
18	ROBIN STEIN, Chairman	18	
19		19	
20		20	
21		21	
22		22	
23		23	
24		24	
25		25	
	Page 2		Page 4
1	Appearances:		
2	Council Members:	1	
3	JAMES J. MURPHY,	2	order the meeting of the Connecticut Siting
4	Vice Chairman	3	
5		4	My name is Robin Stein. I'm
6	ROBERT HANNON,		Chairman of the Connecticut Siting Council. Other
7	DEEP Designee		members of the Council present are Senator Murphy,
8	DEEP Designee		Vice Chairman; Mr. Hannon, designee from the
			Department of Energy and Environmental Protection;
9	ROBERT SILVESTRI		Mr. Silvestri; Dr. Klemens; and Mr. Lynch.
10	DR. MICHAEL W. KLEMENS	10	Members of the staff present are
11	DANIEL P. LYNCH, JR.		our Executive Director Melanie Bachman; and
12			Michael Perrone, our siting analyst.
13	Council Staff:	13	This hearing is held pursuant to
14	MELANIE BACHMAN, ESQ.,		the provisions of Title 16 of the Connecticut
15	Executive Director and		General Statutes and of the Uniform Administrative
16	Staff Attorney		Procedure Act upon an application from Cellco
17			partnership d/b/a Verizon Wireless for a
18	MICHAEL PERRONE		certificate of environmental compatibility and
19	Siting Analyst		public need for the construction, maintenance and
20			operation of a telecommunication facility located
21		21	6 61
22		22	11 5
23		23	· · · · · · · · · · · · · · · · ·
24		24	As a reminder to all,
25		25	off-the-record communication with a member of the
1		1	

Coi	nnecticut Siting Council		June 15, 2017
	Page 5		Page 7
1	Council or a member of the Council staff upon the	1	Chairman.
	merits of this application is prohibited by law.	2	Good afternoon. Kenneth Baldwin
3	The parties and interveners to the		for the applicant Cellco Partnership, doing
	proceeding are as follows. Cellco Partnership, or		business as Verizon Wireless. We have six
	Verizon Wireless, and Attorney Baldwin of Robinson		witnesses on our panel this afternoon. I'll start
	& Cole.		with my right and continue down the row.
7	We will proceed in accordance with	7	This is Ryan Ulanday, who's a
-	the prepared agenda, copies of which are available		radiofrequency engineer with Verizon Wireless.
	over there, at the podium. Also available are		Next to Ryan is Aleksey Tyurin, real estate
	copies of the Council's citizen guide to Siting		consultant working for Verizon Wireless on this
	Council procedures.		project.
12	At the end of the afternoon	12	Tony Befera, who is the Manager of
	evidentiary session we will recess and resume		Real Estate and Project Implementation for Verizon
	again at 7 p.m. for the public comment session.		Wireless; Mr. Doug Roberts, who works with the
	The 7 p.m. public comment session will be reserved		engineering firm of Hudson Design and project
	for the public to make brief oral statements into		engineers; Mike Libertine, the Director of Siting
	the record.	17	
18	I wish to note that the party	18	Corporation.
19	including their representative witnesses are not	19	And last, but not least Steve
	allowed to participate in the public comment	20	Gustafson, Senior Wetland Scientist and
	session. I also wish to note for those who are		professional soil scientist with All Points
22	here and for the benefit of your friends and	22	Technology Corporation.
23	neighbors who are unable to join us for the public	23	And I offer them to be sworn at
24	comment session that you or they may send written	24	this time.
25	statements to the Council within 30 days of the	25	
		-	
	Page 6		Page 8
1	Page 6 date hereof and such written statements will be	1	Page 8 ANTHONY BEFERA,
2 3	date hereof and such written statements will be given the same weight as if spoken at the hearing. A verbatim transcript will be made	2 3	ANTHONY BEFERA, RYAN ULANDAY, MICHAEL LIBERTINE,
2 3 4	date hereof and such written statements will be given the same weight as if spoken at the hearing. A verbatim transcript will be made of the hearing and deposited with the city clerk's	2 3 4	ANTHONY BEFERA, RYAN ULANDAY, MICHAEL LIBERTINE, DEAN GUSTAFSON,
2 3 4 5	date hereof and such written statements will be given the same weight as if spoken at the hearing. A verbatim transcript will be made of the hearing and deposited with the city clerk's office in Bridgeport and the town clerk's office	2 3 4 5	ANTHONY BEFERA, RYAN ULANDAY, MICHAEL LIBERTINE, DEAN GUSTAFSON, DOUGLAS J. ROBERTS,
2 3 4 5 6	date hereof and such written statements will be given the same weight as if spoken at the hearing. A verbatim transcript will be made of the hearing and deposited with the city clerk's office in Bridgeport and the town clerk's office of Trumbull and Stratford for the convenience of	2 3 4 5	ANTHONY BEFERA, RYAN ULANDAY, MICHAEL LIBERTINE, DEAN GUSTAFSON, DOUGLAS J. ROBERTS, ALEKSEY TYURIN,
2 3 4 5 6	date hereof and such written statements will be given the same weight as if spoken at the hearing. A verbatim transcript will be made of the hearing and deposited with the city clerk's office in Bridgeport and the town clerk's office of Trumbull and Stratford for the convenience of the public.	2 3 4 5	ANTHONY BEFERA, RYAN ULANDAY, MICHAEL LIBERTINE, DEAN GUSTAFSON, DOUGLAS J. ROBERTS, ALEKSEY TYURIN, called as witnesses, being first duly sworn
2 3 4 5 6 7 8	date hereof and such written statements will be given the same weight as if spoken at the hearing. A verbatim transcript will be made of the hearing and deposited with the city clerk's office in Bridgeport and the town clerk's office of Trumbull and Stratford for the convenience of the public. Is there a public official that	2 3 4 5 6	ANTHONY BEFERA, RYAN ULANDAY, MICHAEL LIBERTINE, DEAN GUSTAFSON, DOUGLAS J. ROBERTS, ALEKSEY TYURIN, called as witnesses, being first duly sworn by the Executive Director, were examined and
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2 3 4 5 6 7 8 9 10 11	date hereof and such written statements will be given the same weight as if spoken at the hearing. A verbatim transcript will be made of the hearing and deposited with the city clerk's office in Bridgeport and the town clerk's office of Trumbull and Stratford for the convenience of the public. Is there a public official that would like to speak now? (No response.) THE CHAIRMAN: I guess not.	2 3 4 5 6 7 8 9 10	ANTHONY BEFERA, RYAN ULANDAY, MICHAEL LIBERTINE, DEAN GUSTAFSON, DOUGLAS J. ROBERTS, ALEKSEY TYURIN, called as witnesses, being first duly sworn by the Executive Director, were examined and testified on their oaths as follows: MR. BALDWIN: Mr. Chairman, we have five exhibits listed in the hearing program under
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	date hereof and such written statements will be given the same weight as if spoken at the hearing. A verbatim transcript will be made of the hearing and deposited with the city clerk's office in Bridgeport and the town clerk's office of Trumbull and Stratford for the convenience of the public. Is there a public official that would like to speak now? (No response.) THE CHAIRMAN: I guess not. I wish to call your attention to those items shown on the hearing program marked as Roman numeral 1D, items 1 through 67. Does the applicant have any objection to the items that the Council has administratively noticed. (No response.) THE CHAIRMAN: Hearing and seeing none, we administratively notice these existing	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	ANTHONY BEFERA, RYAN ULANDAY, MICHAEL LIBERTINE, DEAN GUSTAFSON, DOUGLAS J. ROBERTS, ALEKSEY TYURIN, called as witnesses, being first duly sworn by the Executive Director, were examined and testified on their oaths as follows: MR. BALDWIN: Mr. Chairman, we have five exhibits listed in the hearing program under Roman two, section B, items one through five And I offer them at this time for identification purposes subject to verification by the witnesses. For verification purposes if I could ask the witnesses, did you prepare or assist in the preparation of those exhibits listed in the hearing program under Roman two, subsection B, items one through five? Mr. Ulanday?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	date hereof and such written statements will be given the same weight as if spoken at the hearing. A verbatim transcript will be made of the hearing and deposited with the city clerk's office in Bridgeport and the town clerk's office of Trumbull and Stratford for the convenience of the public. Is there a public official that would like to speak now? (No response.) THE CHAIRMAN: I guess not. I wish to call your attention to those items shown on the hearing program marked as Roman numeral 1D, items 1 through 67. Does the applicant have any objection to the items that the Council has administratively noticed. (No response.) THE CHAIRMAN: Hearing and seeing none, we administratively notice these existing documents, statements and comments.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	ANTHONY BEFERA, RYAN ULANDAY, MICHAEL LIBERTINE, DEAN GUSTAFSON, DOUGLAS J. ROBERTS, ALEKSEY TYURIN, called as witnesses, being first duly sworn by the Executive Director, were examined and testified on their oaths as follows: MR. BALDWIN: Mr. Chairman, we have five exhibits listed in the hearing program under Roman two, section B, items one through five And I offer them at this time for identification purposes subject to verification by the witnesses. For verification purposes if I could ask the witnesses, did you prepare or assist in the preparation of those exhibits listed in the hearing program under Roman two, subsection B, items one through five? Mr. Ulanday? THE WITNESS (Ulanday): I did.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	date hereof and such written statements will be given the same weight as if spoken at the hearing. A verbatim transcript will be made of the hearing and deposited with the city clerk's office in Bridgeport and the town clerk's office of Trumbull and Stratford for the convenience of the public. Is there a public official that would like to speak now? (No response.) THE CHAIRMAN: I guess not. I wish to call your attention to those items shown on the hearing program marked as Roman numeral 1D, items 1 through 67. Does the applicant have any objection to the items that the Council has administratively noticed. (No response.) THE CHAIRMAN: Hearing and seeing none, we administratively notice these existing documents, statements and comments. And now will the applicant present	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	ANTHONY BEFERA, RYAN ULANDAY, MICHAEL LIBERTINE, DEAN GUSTAFSON, DOUGLAS J. ROBERTS, ALEKSEY TYURIN, called as witnesses, being first duly sworn by the Executive Director, were examined and testified on their oaths as follows: MR. BALDWIN: Mr. Chairman, we have five exhibits listed in the hearing program under Roman two, section B, items one through five And I offer them at this time for identification purposes subject to verification by the witnesses. For verification purposes if I could ask the witnesses, did you prepare or assist in the preparation of those exhibits listed in the hearing program under Roman two, subsection B, items one through five? Mr. Ulanday? THE WITNESS (Ulanday): I did. MR. BALDWIN: Mr. Tyurin?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	date hereof and such written statements will be given the same weight as if spoken at the hearing. A verbatim transcript will be made of the hearing and deposited with the city clerk's office in Bridgeport and the town clerk's office of Trumbull and Stratford for the convenience of the public. Is there a public official that would like to speak now? (No response.) THE CHAIRMAN: I guess not. I wish to call your attention to those items shown on the hearing program marked as Roman numeral 1D, items 1 through 67. Does the applicant have any objection to the items that the Council has administratively noticed. (No response.) THE CHAIRMAN: Hearing and seeing none, we administratively notice these existing documents, statements and comments. And now will the applicant present its witness panel for the purpose of taking the	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	ANTHONY BEFERA, RYAN ULANDAY, MICHAEL LIBERTINE, DEAN GUSTAFSON, DOUGLAS J. ROBERTS, ALEKSEY TYURIN, called as witnesses, being first duly sworn by the Executive Director, were examined and testified on their oaths as follows: MR. BALDWIN: Mr. Chairman, we have five exhibits listed in the hearing program under Roman two, section B, items one through five And I offer them at this time for identification purposes subject to verification by the witnesses. For verification purposes if I could ask the witnesses, did you prepare or assist in the preparation of those exhibits listed in the hearing program under Roman two, subsection B, items one through five? Mr. Ulanday? THE WITNESS (Ulanday): I did. MR. BALDWIN: Mr. Tyurin? THE WITNESS (Tyurin): Yes.
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	date hereof and such written statements will be given the same weight as if spoken at the hearing. A verbatim transcript will be made of the hearing and deposited with the city clerk's office in Bridgeport and the town clerk's office of Trumbull and Stratford for the convenience of the public. Is there a public official that would like to speak now? (No response.) THE CHAIRMAN: I guess not. I wish to call your attention to those items shown on the hearing program marked as Roman numeral 1D, items 1 through 67. Does the applicant have any objection to the items that the Council has administratively noticed. (No response.) THE CHAIRMAN: Hearing and seeing none, we administratively notice these existing documents, statements and comments. And now will the applicant present its witness panel for the purpose of taking the	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	ANTHONY BEFERA, RYAN ULANDAY, MICHAEL LIBERTINE, DEAN GUSTAFSON, DOUGLAS J. ROBERTS, ALEKSEY TYURIN, called as witnesses, being first duly sworn by the Executive Director, were examined and testified on their oaths as follows: MR. BALDWIN: Mr. Chairman, we have five exhibits listed in the hearing program under Roman two, section B, items one through five And I offer them at this time for identification purposes subject to verification by the witnesses. For verification purposes if I could ask the witnesses, did you prepare or assist in the preparation of those exhibits listed in the hearing program under Roman two, subsection B, items one through five? Mr. Ulanday? THE WITNESS (Ulanday): I did. MR. BALDWIN: Mr. Tyurin? THE WITNESS (Tyurin): Yes. MR. BALDWIN: Mr. Befera? THE WITNESS (Befera): Yes.

	Page 9		Page 11
	-		-
1	THE WITNESS (Roberts): Yes.	1	
2	MR. BALDWIN: Mr. Libertine?	2	
3	THE WITNESS (Libertine): Yes.	3	(,,,,,,,,,
4	MR. BALDWIN: Mr. Gustafson?	4	
5	THE WITNESS (Gustafson): Yes.	5	information contained in those exhibits as your
6	MR. BALDWIN: And do you have any	6	testimony in this proceeding? Mr. Ulanday?
7	corrections, modification or amendments that you'd	7	THE WITNESS (Ulanday): Yes.
8	like to offer to any of those exhibits?	8	MR. BALDWIN: Mr. Tyurin?
9	Mr. Ulanday?	9	THE WITNESS (Tyurin): Yes.
10	THE WITNESS (Ulanday): No, I don't	10	MR. BALDWIN: Mr. Befera?
11	have any corrections.	11	THE WITNESS (Befera): Yes.
12	MR. BALDWIN: Mr. Tyurin?	12	MR. BALDWIN: Mr. Roberts?
13	THE WITNESS (Tyurin): No.	13	THE WITNESS (Roberts): Yes.
14	MR. BALDWIN: Mr. Befera?	14	
15	THE WITNESS (Befera): No.	15	THE WITNESS (Libertine): I do.
16	MR. BALDWIN: Mr. Roberts?	16	MR. BALDWIN: Mr. Gustafson?
17	THE WITNESS (Roberts): No.	17	THE WITNESS (Gustafson): Yes.
18	MR. BALDWIN: Mr. Libertine?	18	MR. BALDWIN: I offer them as full
19	THE WITNESS (Libertine): I do have		exhibits, Mr. Chairman.
20		20	THE CHAIRMAN: Okay. Thank you.
	the Council, Exhibit 1, behind tab 9, which is the		The exhibits are admitted. We'll now begin with
	visibility analysis on the two last graphics data,		cross-examination starting with staff,
	the 11 by 17 maps, the view shed maps themselves.		Mr. Perrone.
24	In reviewing the document I noticed	24	
	that there were two photo locations that are not		Mr. Chairman.
2.5	that there were two photo focutions that are not	2.5	
	Page 10		Page 12
	Page 10		Page 12
	labeled on those maps and if you and if I refer	1	Did Cellco fly a balloon today?
2	labeled on those maps and if you and if I refer you to either of those maps, you'll notice right	2	Did Cellco fly a balloon today? THE WITNESS (Libertine): Yes. As
2 3	labeled on those maps and if you and if I refer you to either of those maps, you'll notice right in the very immediate vicinity of the site	2 3	Did Cellco fly a balloon today? THE WITNESS (Libertine): Yes. As noticed by the Council, there was a balloon aloft
2 3 4	labeled on those maps and if you and if I refer you to either of those maps, you'll notice right in the very immediate vicinity of the site location in the center of the map you'll notice	2 3 4	Did Cellco fly a balloon today? THE WITNESS (Libertine): Yes. As noticed by the Council, there was a balloon aloft at the site at approximately 7:45 this morning.
2 3 4 5	labeled on those maps and if you and if I refer you to either of those maps, you'll notice right in the very immediate vicinity of the site location in the center of the map you'll notice that there are two yellow photo locations just	2 3 4 5	Did Cellco fly a balloon today? THE WITNESS (Libertine): Yes. As noticed by the Council, there was a balloon aloft at the site at approximately 7:45 this morning. We started with a red balloon. The string height
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2 3 4 5 6	labeled on those maps and if you and if I refer you to either of those maps, you'll notice right in the very immediate vicinity of the site location in the center of the map you'll notice that there are two yellow photo locations just	2 3 4 5 6	Did Cellco fly a balloon today? THE WITNESS (Libertine): Yes. As noticed by the Council, there was a balloon aloft at the site at approximately 7:45 this morning. We started with a red balloon. The string height was tethered to 97 feet, and on top of that we had about approximately a four-foot diameter balloon.
2 3 4 5 6 7	labeled on those maps and if you and if I refer you to either of those maps, you'll notice right in the very immediate vicinity of the site location in the center of the map you'll notice that there are two yellow photo locations just above number 15. Those should be labeled 16 and then moving north 17. They are both from Holland Avenue and within a few hundred feet of the site.	2 3 4 5 6 7 8	Did Cellco fly a balloon today? THE WITNESS (Libertine): Yes. As noticed by the Council, there was a balloon aloft at the site at approximately 7:45 this morning. We started with a red balloon. The string height was tethered to 97 feet, and on top of that we had about approximately a four-foot diameter balloon. We had a red balloon flying until
2 3 4 5 6 7	labeled on those maps and if you and if I refer you to either of those maps, you'll notice right in the very immediate vicinity of the site location in the center of the map you'll notice that there are two yellow photo locations just above number 15. Those should be labeled 16 and then moving north 17. They are both from Holland	2 3 4 5 6 7 8	Did Cellco fly a balloon today? THE WITNESS (Libertine): Yes. As noticed by the Council, there was a balloon aloft at the site at approximately 7:45 this morning. We started with a red balloon. The string height was tethered to 97 feet, and on top of that we had about approximately a four-foot diameter balloon.
2 3 4 5 6 7 8 9	labeled on those maps and if you and if I refer you to either of those maps, you'll notice right in the very immediate vicinity of the site location in the center of the map you'll notice that there are two yellow photo locations just above number 15. Those should be labeled 16 and then moving north 17. They are both from Holland Avenue and within a few hundred feet of the site.	2 3 4 5 6 7 8 9	Did Cellco fly a balloon today? THE WITNESS (Libertine): Yes. As noticed by the Council, there was a balloon aloft at the site at approximately 7:45 this morning. We started with a red balloon. The string height was tethered to 97 feet, and on top of that we had about approximately a four-foot diameter balloon. We had a red balloon flying until
2 3 4 5 6 7 8 9 10 11	labeled on those maps and if you and if I refer you to either of those maps, you'll notice right in the very immediate vicinity of the site location in the center of the map you'll notice that there are two yellow photo locations just above number 15. Those should be labeled 16 and then moving north 17. They are both from Holland Avenue and within a few hundred feet of the site. And with that, that's my only correction. MR. BALDWIN: Mr. Gustafson, any	2 3 4 5 6 7 8 9	Did Cellco fly a balloon today? THE WITNESS (Libertine): Yes. As noticed by the Council, there was a balloon aloft at the site at approximately 7:45 this morning. We started with a red balloon. The string height was tethered to 97 feet, and on top of that we had about approximately a four-foot diameter balloon. We had a red balloon flying until about noontime or so and we replaced it with the purple balloon, which you folks witnessed at the field walk. And that will stay up until 6 p.m.
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2 3 4 5 6 7 8 9 10 11	labeled on those maps and if you and if I refer you to either of those maps, you'll notice right in the very immediate vicinity of the site location in the center of the map you'll notice that there are two yellow photo locations just above number 15. Those should be labeled 16 and then moving north 17. They are both from Holland Avenue and within a few hundred feet of the site. And with that, that's my only correction. MR. BALDWIN: Mr. Gustafson, any	2 3 4 5 7 8 9 10 11 12	Did Cellco fly a balloon today? THE WITNESS (Libertine): Yes. As noticed by the Council, there was a balloon aloft at the site at approximately 7:45 this morning. We started with a red balloon. The string height was tethered to 97 feet, and on top of that we had about approximately a four-foot diameter balloon. We had a red balloon flying until about noontime or so and we replaced it with the purple balloon, which you folks witnessed at the field walk. And that will stay up until 6 p.m.
2 3 4 5 6 7 8 9 10 11 12	labeled on those maps and if you and if I refer you to either of those maps, you'll notice right in the very immediate vicinity of the site location in the center of the map you'll notice that there are two yellow photo locations just above number 15. Those should be labeled 16 and then moving north 17. They are both from Holland Avenue and within a few hundred feet of the site. And with that, that's my only correction. MR. BALDWIN: Mr. Gustafson, any corrections.	2 3 4 5 7 8 9 10 11 12 13	Did Cellco fly a balloon today? THE WITNESS (Libertine): Yes. As noticed by the Council, there was a balloon aloft at the site at approximately 7:45 this morning. We started with a red balloon. The string height was tethered to 97 feet, and on top of that we had about approximately a four-foot diameter balloon. We had a red balloon flying until about noontime or so and we replaced it with the purple balloon, which you folks witnessed at the field walk. And that will stay up until 6 p.m. MR. PERRONE: And what were the
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2 3 4 5 6 7 8 9 10 11 12 13 14 15	labeled on those maps and if you and if I refer you to either of those maps, you'll notice right in the very immediate vicinity of the site location in the center of the map you'll notice that there are two yellow photo locations just above number 15. Those should be labeled 16 and then moving north 17. They are both from Holland Avenue and within a few hundred feet of the site. And with that, that's my only correction. MR. BALDWIN: Mr. Gustafson, any corrections. THE WITNESS (Gustafson): No. MR. BALDWIN: And with those	2 3 4 5 6 7 8 9 10 11 12 13 14 15	Did Cellco fly a balloon today? THE WITNESS (Libertine): Yes. As noticed by the Council, there was a balloon aloft at the site at approximately 7:45 this morning. We started with a red balloon. The string height was tethered to 97 feet, and on top of that we had about approximately a four-foot diameter balloon. We had a red balloon flying until about noontime or so and we replaced it with the purple balloon, which you folks witnessed at the field walk. And that will stay up until 6 p.m. MR. PERRONE: And what were the weather conditions like? Were they optimal for such a flight?
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	labeled on those maps and if you and if I refer you to either of those maps, you'll notice right in the very immediate vicinity of the site location in the center of the map you'll notice that there are two yellow photo locations just above number 15. Those should be labeled 16 and then moving north 17. They are both from Holland Avenue and within a few hundred feet of the site. And with that, that's my only correction. MR. BALDWIN: Mr. Gustafson, any corrections. THE WITNESS (Gustafson): No. MR. BALDWIN: And with those corrections, is the information contained in those exhibits true and accurate to the best of your knowledge? Mr. Ulanday? THE WITNESS (Ulanday): Yes. MR. BALDWIN: Mr. Tyurin? THE WITNESS (Tyurin): Yes.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Did Cellco fly a balloon today? THE WITNESS (Libertine): Yes. As noticed by the Council, there was a balloon aloft at the site at approximately 7:45 this morning. We started with a red balloon. The string height was tethered to 97 feet, and on top of that we had about approximately a four-foot diameter balloon. We had a red balloon flying until about noontime or so and we replaced it with the purple balloon, which you folks witnessed at the field walk. And that will stay up until 6 p.m. MR. PERRONE: And what were the weather conditions like? Were they optimal for such a flight? THE WITNESS (Libertine): I wouldn't use the word "optimal" for the field review. We did have favorable winds this morning where it was fairly kept and maintained its its approximate height, but about 11:30 or so the winds did start to pick up in intensity. And
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	labeled on those maps and if you and if I refer you to either of those maps, you'll notice right in the very immediate vicinity of the site location in the center of the map you'll notice that there are two yellow photo locations just above number 15. Those should be labeled 16 and then moving north 17. They are both from Holland Avenue and within a few hundred feet of the site. And with that, that's my only correction. MR. BALDWIN: Mr. Gustafson, any corrections. THE WITNESS (Gustafson): No. MR. BALDWIN: And with those corrections, is the information contained in those exhibits true and accurate to the best of your knowledge? Mr. Ulanday? THE WITNESS (Ulanday): Yes. MR. BALDWIN: Mr. Tyurin? THE WITNESS (Tyurin): Yes. MR. BALDWIN: Mr. Befera? THE WITNESS (Befera): Yes.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	Did Cellco fly a balloon today? THE WITNESS (Libertine): Yes. As noticed by the Council, there was a balloon aloft at the site at approximately 7:45 this morning. We started with a red balloon. The string height was tethered to 97 feet, and on top of that we had about approximately a four-foot diameter balloon. We had a red balloon flying until about noontime or so and we replaced it with the purple balloon, which you folks witnessed at the field walk. And that will stay up until 6 p.m. MR. PERRONE: And what were the weather conditions like? Were they optimal for such a flight? THE WITNESS (Libertine): I wouldn't use the word "optimal" for the field review. We did have favorable winds this morning where it was fairly kept and maintained its its approximate height, but about 11:30 or so the winds did start to pick up in intensity. And certainly by the time we had our field walk it was probably steady in the 8 to 12-mile an hour range

	Page 13		Page 15
1	maintain its full height at all times.	1	down. So there was no not feasible to build
2	MR. PERRONE: And these are a		anything on that site on that parcel.
	couple possible technical corrections that I'd	3	MR. PERRONE: So there would
	like to ask about. In the affidavit of	_	potentially be a lot of cutting and grading?
	publication I understand the affidavit of	5	THE WITNESS (Tyurin): Correct.
	publication itself has Cellco's legal notice in	6	MR. PERRONE: And there was one
	the Connecticut Post, but the cover letter says	-	other site with some wetland areas. Number ten,
	the Advocate.		it mentions the site was rejected due to
9	I just wanted to confirm that the		significant wetland areas. Could you tell us a
	correct newspaper name is the Connecticut Post.		bit more about that? For example, would that
11	THE WITNESS (Roberts): That would		potentially require a wetland crossing?
	be me, Mr. Perrone. Yes, it is. It's the same	12	THE WITNESS (Gustafson): Just for
	publication group, but it was in the Connecticut		clarification, number 10 is that 264 Broadbridge
	Post.		Road in Trumbull?
15	MR. PERRONE: Okay. And one other	15	MR. PERRONE: Yes.
-	minor possible correction. In the visibility	16	THE WITNESS (Gustafson): We
	analysis on page 2 at the bottom of the page it		actually investigated performed a wetland
	mentions that the Housatonic Trail runs		investigation back in 2013 and evaluated that
	north-south to the east of the site. I was just		property. And the majority of that parcel that
	looking at the view shed. Is the Housatonic trail		isn't already developed by a residence is
	the line in blue to the west of the site?		dominated by wetland area.
21	THE WITNESS (Libertine): Yes,	21 22	So it would require some extensive
	you're correct. That should be that should be		wetland impact to even build the facility. It
	west and not east of the site.		wouldn't just be a crossing. So we deem that
24 25	MR. PERRONE: Turning back to the		unsuitable as a proposed cell site because of the
23	WR. I ERRONE. I unning back to the	25	unsultable as a proposed cell site because of the
	Page 14		Page 16
	Page 14		Page 16
	application, pages 18 and 19, it talks about the	1	significant wetland impacts.
2	application, pages 18 and 19, it talks about the technical reports. I understand the tech report	2	significant wetland impacts. MR. PERRONE: Turning to the
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2 3 4	application, pages 18 and 19, it talks about the technical reports. I understand the tech report was provided to the City on November 21st, 2016. And on page 19 it mentions the tech reports were also provided to Trumbull and Stratford.	2 3 4 5	significant wetland impacts. MR. PERRONE: Turning to the responses to the Council interrogatories, number 30 was the question about small cells or distributed antenna systems. In Cellco's response
2 3 4 5 6	application, pages 18 and 19, it talks about the technical reports. I understand the tech report was provided to the City on November 21st, 2016. And on page 19 it mentions the tech reports were also provided to Trumbull and Stratford. Were the tech reports provided to	2 3 4 5 6	significant wetland impacts. MR. PERRONE: Turning to the responses to the Council interrogatories, number 30 was the question about small cells or distributed antenna systems. In Cellco's response it notes that along portions of Route 8 there's no
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	Page 17		Page 19
1	MR. PERRONE: And to construct a	1	number 20 there's a table of ineffective attempts
	yield point to ensure that the tower remains		and dropped calls for various adjacent sectors.
	within the boundary of the subject property, the		There's five different sectors listed. My
	tower setback radius, would the yield point then		question is, which of these sectors, if any, would
	have to be at something like 83 feet? How would		be improved in terms of ineffective attempts or
	that work?		dropped calls by the proposed facility?
7	THE WITNESS (Roberts): That would	7	THE WITNESS (Ulanday): It would
8	be yes, we would have to design a yield point,	8	definitely be all those, all these sectors right
	and at that point would have to be reengineered	9	here that that will improve.
	and would have to replace it.	10	MR. PERRONE: Okay. So all five
11	MR. PERRONE: So even though at	11	would see an improvement in ineffective attempts
12	83 feet it would be close to the antennas and the		and dropped calls.
13	ray dome. It would be built into the steel of the	13	THE WITNESS (Ulanday): That's
	tower?		correct. All five sectors.
15	THE WITNESS (Roberts): That would	15	MR. PERRONE: Would it potentially
16	be correct. It would be built into the internal		bring all of those to .57 percent or better?
	structure.	17	THE WITNESS (Ulanday): That, we
18	MR. PERRONE: Okay. Turning to the		did not do any study.
19	response to question 16. I see that Cellco would	19	MR. PERRONE: That's okay.
	initially deploy 700 megahertz and 2100 megahertz	20	THE WITNESS (Ulanday): But we'll
	frequency bands, and that would be adequate at	21	definitely look at it after we get the site in
	this time. Does Cellco have any future plans to		service.
	deploy 850 or 1900 at the site?	23	MR. PERRONE: Okay. So you don't
24	THE WITNESS (Ulanday): There is	24	have the exact numbers, but potentially you'd see
25	definitely plans, but we have to evaluate it,		an improvement in all of those?
			*
	Page 18		Page 20
_	-	_	-
	evaluate everything after we get this site on air.	1	THE WITNESS (Ulanday): We'd
2	evaluate everything after we get this site on air. MR. PERRONE: Okay. And on the top	2	THE WITNESS (Ulanday): We'd yeah, that's correct.
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2 3 4	evaluate everything after we get this site on air. MR. PERRONE: Okay. And on the top of page 7 of the application Cellco notes that the proposed facility would provide capacity relief to	2 3 4	THE WITNESS (Ulanday): We'd yeah, that's correct. MR. PERRONE: Okay. And looking at the response to question 21, I understand that the
2 3 4 5	evaluate everything after we get this site on air. MR. PERRONE: Okay. And on the top of page 7 of the application Cellco notes that the proposed facility would provide capacity relief to the Alpha sector of North Bridgeport two, and the	2 3 4 5	THE WITNESS (Ulanday): We'd yeah, that's correct. MR. PERRONE: Okay. And looking at the response to question 21, I understand that the network relief from the proposed facility would be
2 3 4 5 6	evaluate everything after we get this site on air. MR. PERRONE: Okay. And on the top of page 7 of the application Cellco notes that the proposed facility would provide capacity relief to the Alpha sector of North Bridgeport two, and the Gamma sector of Trumbull two.	2 3 4 5 6	THE WITNESS (Ulanday): We'd yeah, that's correct. MR. PERRONE: Okay. And looking at the response to question 21, I understand that the network relief from the proposed facility would be sufficient for approximately three to five years.
2 3 4 5 6 7	evaluate everything after we get this site on air. MR. PERRONE: Okay. And on the top of page 7 of the application Cellco notes that the proposed facility would provide capacity relief to the Alpha sector of North Bridgeport two, and the Gamma sector of Trumbull two. And my question is, are there any	2 3 4 5 6 7	THE WITNESS (Ulanday): We'd yeah, that's correct. MR. PERRONE: Okay. And looking at the response to question 21, I understand that the network relief from the proposed facility would be sufficient for approximately three to five years. After that three to five year
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	001	meeticut Sitting Council		Julie 13, 2017
		Page 21		Page 23
	1	MR. PERRONE: Okay. And that would	1	guess the consequence would be I believe we put
		be evaluated at that time?		it out there that's that there's very little
	3	THE WITNESS (Ulanday): That's		difference at the higher, like the 82 feet, but
		correct. We need to reevaluate.		you can't come down to the 72. I believe you'd
	5	MR. PERRONE: Okay. I understand		see a lot of difference especially on the high
		that there's two different levels of antennas		band 2100, and PCS 1900 megahertz.
		proposed, 82 and 92. Would you have 700 megahertz	7	So if I can add to that if other
		at one array and 2100 at another array? Or are	8	carriers are looking to co-locate, probably
		you using all dual-band antennas?		they would probably be less interested to go on to
	10	THE WITNESS (Ulanday): Actually,		62 feet because you are way below the flat area,
	11	the my initial design was to have all the low		three lines. So but as for Verizon, I the
		bands like 700 and 850 on top, and the high bands		82 feet would still be very usable.
		below.	13	MR. PERRONE: But if the tower were
	14	But then there all the available	14	about ten feet shorter would it affect your
	15	antennas right now won't fit inside the flagpole,		ability to provide capacity relief to those two
		so we may have to lay it out like we'll have 700		sectors that we talked about?
		and AWS, 2100 on top. And then 850 and PCS below.	17	THE WITNESS (Ulanday): There would
	18	Yeah, but like Ken's point here,	18	definitely be a difference, but not too
	19	we're not deploying PCS and 850 at so that		significant.
		lower level may just be just a placeholder for now	20	MR. PERRONE: And one of the last
	21	until we decide that we need we need to	21	RF questions. In response to interrogatory 25 and
	22	activate 850 and PCS.	22	26 where it talks about secondary roads, is it
	23	MR. PERRONE: So you would just	23	fair to say that the coverage gaps in the proposed
	24	have antennas at the 92?	24	coverage distances basically are the same?
	25	THE WITNESS (Ulanday): At the	25	THE WITNESS (Ulanday): That's
-		Page 22		Page 24
	1	-	1	-
		we'll have to reevaluate everything, I mean I	1	correct.
	2	we'll have to reevaluate everything, I mean I guess. We'll have to reevaluate, but as for the	2	correct. MR. PERRONE: Okay. And if the
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	2 3	we'll have to reevaluate everything, I mean I guess. We'll have to reevaluate, but as for the analysis that we made, we're doing 700 on the 92 and the AWS on the lower level, 82 feet.	2 3	correct. MR. PERRONE: Okay. And if the tower were ten feet shorter those numbers would still be about the same?
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1	would just as a matter of making installation	1	could you tell us about the visibility at
	easily done.		Beardsley Park? Would it not be expected?
3	MR. PERRONE: And Mr. Gustafson,	3	
	with no tree clearing being proposed would the	4	we're not expecting any visibility whatsoever. If
	project adversely impact the northern long-eared	5	
	bat?	6	
7	THE WITNESS (Gustafson): No, there	7	
8	should be no effect on the northern long-eared	8	
9	bat. And with our initial consultation with US	9	And again, at that distance I would
10	Fish and Wildlife that species was not identified	10	think it would be very difficult for anyone to
11	in this part of Bridgeport.	11	discern that it would be a tower, anything along
12	MR. PERRONE: Okay. I have a	12	the horizon there. So again, I think it's very
13	couple questions on visibility. I'll move to the	13	over predictive. We're not expecting it to be
14	view shed map and the photo simulations.	14	able to be seen that far to the southwest.
15	Mr. Libertine, is photo 31 the one closest to	15	MR. PERRONE: Okay. I'd like to
16	Beardsley Park, or roughly in the vicinity of	16	ask you about visibility from abutters, but I
17	Beardsley Park?	17	think it would be easier if I'll refer you to the
18	THE WITNESS (Libertine):	18	abutters map, C-1 in the application.
19	5,5	19	THE WITNESS (Libertine): I'm
20	MR. PERRONE: Okay. One second	20	there.
	here. Let me move over to the view shed. I see	21	5
	that it's in the orange area. So the model wasn't		the visibility from the nearest property directly
	conservatively predicting a seasonal visibility in	23	to the east?
	that area. So during a field visit you didn't	24	· · · · · · · · · · · · · · · · · · ·
25	find any visibility around number 31?	25	Certainly.
	Page 26		Page 28
1	THE WITNESS (Libertine): No, we	1	MR. PERRONE: The 29 Holland Road?
	didn't. This site was done as you can see as	2	
	evidenced by the photographs we had full leaf-on	3	
	conditions. So what we elect to do when we do not	_	everyone noticed that we were fairly close to the
	have the opportunity to do it in the wintertime,		fence line to that property, and we had the
	this type of a field reconnaissance, we tend to		intervening deciduous treeline there.
	rely more on the model and not take liberties to	7	
8	1	8	does have visibility certainly this time of year
9	I'm fairly confident that there	9	
10	will not be even a seasonal view of that tower	10	entrance into the driveway. I believe that as
11	just because of the distance and in the	11	you're moving into the backyard that's probably
12	intervening vegetation topography and other	12	starting to fall behind the trees, but certainly
13	structures. It's a fairly short tower, but again	13	during the wintertime there's going to be seasonal
14	we tend to be very conservative when we don't have	14	views directly through that area.
15	the opportunity to view those, those particular	15	I'm sure they can see the top of
16	characteristics when we're out in the field.	16	the building today during that time of the year.
17	So I'd say in general the map that	17	5 5 1 5
18	you're looking at in terms of seasonal visibility	18	1
19	5 1	19	
20	MR. PERRONE: Is it fair to say,	20	potentially a year-round view of the top of the
21	though, that generally Beardsley Park is a little	21	tower?
22		22	
23	THE WITNERS $(I : 1 - I : I)$		
	THE WITNESS (Libertine): Oh yes,		potentially again, I did not step onto the
24	it is. Yeah, that's more or less the entrance.		potentially again, I did not step onto the property, but based on what I'm seeing, yeah, I think the top of the tower certainly will be

MR. PERRONE: Okay. So in general 25

25 think the top of the tower certainly will be

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1	visible. And that more or less maintains the case	1	maintain the access?
	across the street further to the east, and then	2	THE WITNESS (Roberts): That is
	northward on that road for another two parcels or		correct.
	so.	4	MR. PERRONE: And the proposed
5	So in all, said and done, I think		routing of the natural gas line to supply the
	there's probably five or six parcels that will	6	
	have an opportunity to have partial year-round		have a riser going up the wall and then have it
	views.		enter the building and run through the roof
9	MR. PERRONE: Okay. I was going to		inside, or potentially on the roof?
_	ask you about the one directly to the north at	10	THE WITNESS (Roberts): We're
	1088, but you basically covered that?		calling for it to be going going through the
12	THE WITNESS (Libertine): Yeah,		building right now, but we could once we reach out
	that's that's part of that, what I just		to the gas company and I think as was stated on
	characterized, but yes. What happens there, that		the site walk, they're reluctant to discuss with
	road tends to rise a bit and once it does and		us, utilities, until we have an approved project.
	plateaus out it actually dips on the other side.		But we can address that. It's very possible that
	And so there's not really a direct line of sight		we might bring our own line in from the street
	beyond there, but certainly those few, first few		with electric and telco.
	homes and backyards are well, they're not	19	MR. PERRONE: Okay. And if this
	they're not all abutting, but they're just about		project is approved could the final gas line route
	abutting the actual subject parcel.		be included in a development and management plan?
22	MR. BALDWIN: Could I just clarify	22	
	something, Mr. Perrone. You mentioned 1088 and I		certainly would.
	think Mr. Libertine was talking about the	24	·
	properties on Holland Road, as opposed to 1088		That's all I have.
	I II III III III III III III III III I		
	Page 30		Page 32
1		1	-
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2	Huntington Turnpike, which is on the other side of the building.	2	THE CHAIRMAN: Okay. We will now continue with questions from councilmembers.
2 3	Huntington Turnpike, which is on the other side of the building. I just wanted to make sure that we	2 3	THE CHAIRMAN: Okay. We will now continue with questions from councilmembers. Senator Murphy.
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	Page 33		Page 35
1	alone.	1	What type of a foundation is going to be
2	MR. MURPHY: Thank you. I noticed		installed? One that could provide for an increase
	from the answer that you exclude repair time,		in the height of the tower?
	which I can understand, but don't include		
		4	THE WITNESS (Roberts): Certainly
	weekends. Why is that?		if this was approved we would do a geotechnical
6	THE WITNESS (Ulanday): That's		investigation. Determine, you know, my sense is
	correct. When we do our the site analysis, we		we're going to hit rock since we see some right
	don't usually include the weekends and the the		nearby. If that is the case, my initial thought
	midnight hours, because the wee hours is usually		would be we would design a mat at grade with post
-	our maintenance issue window when we do some		tension drop anchors to attach it to the ground
11	software changes or any hardware changes.	11	itself.
12	MR. MURPHY: I understand the	12	Short of having geotechnical
13	maintenance windows. Is there more calls on the	13	information, I'm surmising, but that would be my
14	weekend or less?	14	approach if we did hit rock, and I'm confident we
15	THE WITNESS (Ulanday): On weekends	15	will. It certainly could be designed to be the
16	we don't include it because there's not a lot of	16	foundation could be designed to accommodate an
17	activity, and that could skew the data towards	17	expandable tower.
18	MR. MURPHY: Is there more calls or	18	MR. MURPHY: It will be designed
19	less on the weekend?		for an increase potentially in height?
20	THE WITNESS (Ulanday): I'm sorry.	20	THE WITNESS (Roberts): Sure.
21	Can you say again? Can you say it again, sir?	21	MR. MURPHY: Yes or no?
22	MR. MURPHY: Can't hear him.	22	THE WITNESS (Roberts): Yes.
23	THE WITNESS (Ulanday): Can you	23	MR. MURPHY: Mr. Perrone covered
	repeat the question, sir?	_	the sites that were knocked off. The other seven,
25	MR. MURPHY: Are there more calls		I believe it is, are no landlord interest. What
	Page 34		Page 36
	Page 34		Page 36
	per day Saturday and Sunday in comparison to the		did you do with those seven address proprietors?
2	per day Saturday and Sunday in comparison to the average during the week Monday through Friday, and	2	did you do with those seven address proprietors? How did you determine there was no interest from
2	per day Saturday and Sunday in comparison to the average during the week Monday through Friday, and inclusive thereof?	2	did you do with those seven address proprietors? How did you determine there was no interest from those seven property owners?
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	Page 37		Page 39
1	they're not interested.	1	high wall, it looks as though the generator is
2	MR. MURPHY: Okay. I think that's	2	several feet below that. I just want to make sure
3	all I have, Mr. Chairman. Thank you.		the generator is below the wall that's going
4	THE CHAIRMAN: Thank you.	4	around the compound.
5	Mr. Hannon.	5	THE WITNESS (Roberts): Yes, the
6	MR. HANNON: Thank you,		specs are in the application, and as well since
7	Mr. Chairman. Yes, I do have some questions.	7	this is a natural gas generator set there is no
	Most of my questions are the application behind		belly tank. So most of the diesel tanks or
	tab one, the environmental assessment statement.		diesel generators you see sit upon that fuel tank,
	I had asked the question at the site, but I want		so they're two, two and a half feet of base. This
11	to get it as part of the record.	11	does not have that.
12	In terms of the periodic	12	THE WITNESS (Libertine): Behind
	maintenance that's associated with a generator,		tab seven.
	the backup generator, what are the typical hours	14	5
	that those would be operated?	15	
16	THE WITNESS (Befera): They're		a it shows the generator set to be 77 inches
	exercised between twelve and one o'clock midday		long by 43 inches high by 34 inches wide.
18	for 30 minutes twice a month.		43 inches high.
19	MR. HANNON: Under the noise	19	MR. HANNON: Okay. Thank you. In
	section I'm just curious, has any type of noise		terms of you've got a note on here that talks
	study been done or conducted as to the noise level		about proposed Cellco partnership concrete block
	at the abutting properties, in particular I guess		retaining wall with safety fence. But my question
	the property that is north, northwest?		then goes to map C-6 because it looks at least
24	THE WITNESS (Roberts): Yes, we did		to me, it looks as though the fence that you're
25	conduct a noise study and evaluated how best to	25	proposing really doesn't have anything to do with
	Page 38		Page 40
1		1	
	achieve the maximum noise allowed by code for that		the retaining wall because it looks like it's
2	achieve the maximum noise allowed by code for that area. And we do have a noise study for that and	2	the retaining wall because it looks like it's offset.
2 3	achieve the maximum noise allowed by code for that area. And we do have a noise study for that and recommendations from our noise analysis	2 3	the retaining wall because it looks like it's offset. So how does that compare with the
2 3 4	achieve the maximum noise allowed by code for that area. And we do have a noise study for that and recommendations from our noise analysis consultant. And we'll incorporate that, if this	2 3 4	the retaining wall because it looks like it's offset. So how does that compare with the abutting fence that is already in existence on the
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	Page 41		Page 43
1	certainly can adjust our fence to sit on top of	1	rephrase it, I guess.
	our retaining wall itself.	2	When a customer initiates a call so
3	MR. HANNON: Okay. One other	3	it sends some messaging, all that stuff to kind of
4	question. You show on it's a couple of the		sync the cellphone to the tower and that's that
	spots, but I'll use map C-6. It shows some of the		same scenario happens when you end the call. Your
	drainage that's being proposed where you've got		cellphone sends what we call a it basically
	the aggregate so there's free-flowing water behind		sends a message that I my call was successful.
	the retaining wall, which I know is standard		I'm done and I close. I terminated the call
	practice. And you show it coming out with a		properly.
	four-inch diameter pipe.	10	So otherwise if the system did not
11	Where is that water going? Because	11	receive that, that that message, it basically
12	one of the concerns I would have is if you have a		counts that as a dropped call.
	bunch of water coming out, even in the wintertime	13	MR. SILVESTRI: So your system
	you can create some significant icing conditions.	14	could differentiate between, say, me calling up
	So I'm just curious as to how that water is going		and saying, honey, I'm coming home. I hang up the
16	to be controlled coming out of those pipes?		phone. And then I call her right back again. It
17	THE WITNESS (Roberts): Certainly,	17	was like, oh, I forgot to tell you something, as
18	that's as you know, will relieve the pressure	18	opposed to me losing the call. Your system could
19	from water behind the well itself. We can	19	differentiate that?
20	certainly look at possibly connecting it to one of	20	THE WITNESS (Ulanday): That's
21	the yard drains or dry wells that have their	21	correct.
22	that they have there.	22	MR. SILVESTRI: Okay. Let me move
23	We can actually install around a	23	on. If I could refer you to attachment number 1,
24	dry well if the ground allowed us to, you know, we	24	page 4? You have Eversource listed as the power
25	didn't hit rock. So we can look at that as an	25	company, yet in my experience United Illuminating
	Page 42		Page 44
1	alternate.		has traditionally has been the service provider
2	alternate. MR. HANNON: Okay. Thank you. And	2	has traditionally has been the service provider for Bridgeport. Should that be United
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	Page 45		Page 47
1	I don't know, but again, my same	1	MR. SILVESTRI: Should the project
	concern that if it's misaddressed, did we actually		be approved, does approval trigger changes to the
	get the letter to the right people to let them		other cell sites identified by Cellco?
	know you might have been interested in properties?	4	MR. BALDWIN: I'm sorry we're
	THE WITNESS (Tyurin): I'm sorry.	-	•
5	What address? What number?		having a hard time hearing you. MR. SILVESTRI: Yeah. I know it's
		6	
7	MR. SILVESTRI: 1234 Huntington		tough. Let me say that again. If the project is
	Turnpike. It's really tough to differentiate.		approved, do the other cell sites that you
	You have it again listed as Bridgeport. With my		mentioned that are hurting for one reason or
	search on Google I had Trumbull. But again, my		another, do changes have to be made to those cell
	overall concern is that if we're sending out a		sites with approval of this site?
12	registered letter did it get to the right address?	12	THE WITNESS (Ulanday): Yes.
13	If you could check that for me		Definitely we will have to, what we call, optimize
	maybe on a better map than what we have here,	14	the neighbor sectors. We may have to down tilt
15	because again I did struggle to figure it out.	15	them just to minimize the overlap between this
16	But I know the other one, 1294 is Trumbull, not	16	site and the surrounding sites.
17	Bridgeport.	17	MR. SILVESTRI: Is it a
18	THE WITNESS (Tyurin): Yes, that's	18	computerized type of change, or would you have
19	correct. It's the same company that owns both		to
	lots. I believe a certified letter went to	20	THE WITNESS (Ulanday): It's a
21	Attention Family LP (phenetic), and I received no	21	physical well, some would be just compute
	response from this company.		software changes, but I'm not sure for now because
23	And most likely it looks like it		we haven't reviewed it yet. We have to after
	abuts the residential property, so it's empty lot.		the site gets on air we will have to do a thorough
	So I don't know if they have some plans for the		drive test just to verify how the area looks like.
	5 1		5 5
	Page 46		Page 48
	Page 46		Page 48
	residential development of those two lots, those	1	So we may have to change antennas
	residential development of those two lots, those other two lots. So	2	So we may have to change antennas here, but not here. We would we may just have
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Co	nnecticut Siting Council		June 15, 2017
	Page 49		Page 51
1	THE WITNESS (Ulanday): Again, I	1	I think the structure is close to
	don't have the exact data, but most of this I		150 feet and we're at 90 feet below all the
	believe we have upgraded them. We have we have		powerlines. So that was an acceptable
	upgraded them to the to the most up-to-date		installation for us to be able to maintain a site
	equipment, and and still we're seeing these		as important as that.
	gaps and capacity constraints.	6	MR. SILVESTRI: Thank you. I want
7		7	to turn now to backup power with the generator. I
8	site search, there are a number of transmission	8	
	line towers that are located in the area,	9	interrupted batteries would be able to power the
	particularly north of 1294 Huntington Turnpike and		system for something like four to eight hours. Is
	8 Knollcrest Drive. In the site search itself it		that correct.
12	didn't identify any potentials for transmission	12	THE WITNESS (Befera): Yes,
	line uses similar to what you have, perhaps, to	13	depending upon how busy the site gets during a
	Trumbull number four.		power outage, if there were no generator the
15	So the question I'll have for you,	15	typical range is more like four hours. If the
16	could transmission line support structures in the	16	site's usage is high those batteries could be
17	area be a viable alternative to the monopole?	17	drained within two hours. So it's a wide range
18	THE WITNESS (Ulanday): We we	18	between two and eight hours depending upon how
	typically shy away from the transmission lines and	19	busy the site is.
	that's for a couple of reasons. First of all, if	20	MR. SILVESTRI: When would the
	we go above the conductors of these transmission	21	generator actually kick in? At what point?
	lines, if we get an outage or or one of our	22	
	radios gets it needs replacement, we have to		generator would actually kick in with the
	ask for an outage from the power companies. And		automatic transfer switch almost well, within
25	we could be seeing probably days, or weeks or	25	60 seconds of commercial power out. And it would
	Page 50		Page 52
1	Page 50 months before we can replace equipment.	1	Page 52 not kick off until approximately 60 seconds after
1	months before we can replace equipment.		-
2	months before we can replace equipment.		not kick off until approximately 60 seconds after
2 3	months before we can replace equipment. So unless we are we are really desperate that we need the site, we typically shy away from this transmission.	2 3 4	not kick off until approximately 60 seconds after commercial power is restored. MR. SILVESTRI: Yeah, I'm confused on the sequencing of that. You lose commercial
2 3 4 5	months before we can replace equipment. So unless we are we are really desperate that we need the site, we typically shy away from this transmission. MR. SILVESTRI: Thank you. I	2 3 4 5	not kick off until approximately 60 seconds after commercial power is restored. MR. SILVESTRI: Yeah, I'm confused on the sequencing of that. You lose commercial power. Do the batteries take over, then the
2 3 4 5	months before we can replace equipment. So unless we are we are really desperate that we need the site, we typically shy away from this transmission. MR. SILVESTRI: Thank you. I appreciate that.	2 3 4 5	not kick off until approximately 60 seconds after commercial power is restored. MR. SILVESTRI: Yeah, I'm confused on the sequencing of that. You lose commercial power. Do the batteries take over, then the generator?
2 3 4 5 6 7	months before we can replace equipment. So unless we are we are really desperate that we need the site, we typically shy away from this transmission. MR. SILVESTRI: Thank you. I appreciate that. THE WITNESS (Befera): We have	2 3 4 5 6 7	not kick off until approximately 60 seconds after commercial power is restored. MR. SILVESTRI: Yeah, I'm confused on the sequencing of that. You lose commercial power. Do the batteries take over, then the generator? THE WITNESS (Befera): Well, the
2 3 4 5 6 7 8	months before we can replace equipment. So unless we are we are really desperate that we need the site, we typically shy away from this transmission. MR. SILVESTRI: Thank you. I appreciate that. THE WITNESS (Befera): We have sites, a couple of them that are on transmission	2 3 4 5 6 7 8	not kick off until approximately 60 seconds after commercial power is restored. MR. SILVESTRI: Yeah, I'm confused on the sequencing of that. You lose commercial power. Do the batteries take over, then the generator? THE WITNESS (Befera): Well, the thing is the site, it's kind of like if you look
2 3 4 5 6 7 8 9	months before we can replace equipment. So unless we are we are really desperate that we need the site, we typically shy away from this transmission. MR. SILVESTRI: Thank you. I appreciate that. THE WITNESS (Befera): We have sites, a couple of them that are on transmission towers and they have various types. They have,	2 3 4 5 6 7 8 9	not kick off until approximately 60 seconds after commercial power is restored. MR. SILVESTRI: Yeah, I'm confused on the sequencing of that. You lose commercial power. Do the batteries take over, then the generator? THE WITNESS (Befera): Well, the thing is the site, it's kind of like if you look at a linear diagram the generator is here, the
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	Page 53		Page 55
-	the betteries? Are they lead acid betteries?	-	a year And that's how our Connectiout DEED looks
	the batteries? Are they lead acid batteries? THE WITNESS (Befera): No. We call		a year. And that's how our Connecticut DEEP looks at fuel-burning equipment and what type of permit
2			might be needed.
	them gel cells. MR. SILVESTRI: Thank you. Staying		What I'm getting at is that the
4	with the generator, and if you reference	4	significance of having 31 tons a year is that air
	attachment 1, page 7 for me? There's an air		regulation 3-A would apply because the potential
	quality citation of 22A-174-36, if you see it		to emit is greater than 15 tons a year. But if
	under the large paragraph B. That citation is		you continue to review the regulation, 3-B has an
	incorrect. That particular regulation pertains to		exemption for emergency engines provided that
	low-emission vehicles.		certain provisions are followed and the operation
11	I think what you were looking at 174.3 with either on A B C E or E		of an engine does not exceed 300 hours per year during any 12 month rolling aggregate period. All
	was 22A-174-3 with either an A, B, C, E, or F		during any 12 month rolling aggregate period. All
	designation after that. That actually pertains to fuel burning equipment	14	right?
	fuel-burning equipment. MR. BALDWIN: We'll confirm that,		So if you look at that, and if you look at page 20 of the application it states that
15			1.6 11
	Mr. Silvestri. Thank you. It's possible that's a		Cellco will obtain the necessary air permit. Yet
	typographical error, but it does refer to the		on page 7 of the application of attachment 1
	permit by rule that the generators would fall under.		Cellco states that the generator is exempt from air permit requirements. So one part of the
20	MR. SILVESTRI: You know, that could have been another letter instead of a six.	20	application has, you need a permit. The other one says you're exempt. I'm curious what your
	But with that, though, I'm trying to find the		explanation is?
	generator emissions datasheet, yet I could not	22	THE WITNESS (Befera): It's the
	find one within the application package. Do you		classification. We do obtain air permits, air
	have an emissions datasheet for that generator?		quality permits for all of our generators in our
25	have an emissions datasheet for that generator :	25	quality permits for an of our generators in our
	Page 54		Page 56
	Page 54		Page 56
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2	THE WITNESS (Befera): The spec on the generator is at the very end of section seven	2	network. And the exemption that you're talking about that puts us in a different classification
2 3	THE WITNESS (Befera): The spec on the generator is at the very end of section seven of the package.	2 3	network. And the exemption that you're talking about that puts us in a different classification is because it's in the category of emergency,
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	MR. SILVESTRI: No?		-
1		1	THE WITNESS (Befera): Well, the
2	THE WITNESS (Befera): It's every		construction for something especially as tight like this would be is done in stages. And
	other week for half an hour. However everything is alarmed between the equipment, the generator,		there would first be site work. The position of
	so that if a site does not test during it's	5	
	scheduled testing period we know that. It's	6	that the monopole is towards the back and not
	called a generator failure and we immediately	-	towards the front of the compound or the drive,
	dispatch a repair a repair team from usually a		the front of the driveway.
	representative of the generator manufacturer.	9	The staging, as mentioned by
10	MR. SILVESTRI: Still staying with	_	Mr. Roberts, would be arranged with the landlord
	the generator, where would the exhaust from the		for the day of stacking the we'd stack
	generator be located to avoid the exhaust either		something like this in one day. The parking lot
	entering the ventilation system of the building or		area to the right of the driveway could possibly
	back onto the adjoining neighbors?		be an area right there, because there was quite a
15	THE WITNESS (Roberts): We would		decent amount of parking spaces.
	run the exhaust up the side of the building and	16	Now once that's done nothing else
	exhaust it above the parapet of the existing	17	has been brought on site. The platform on which
	building.		the equipment goes is prefabricated. It's going
19	MR. SILVESTRI: So you looked at		to come in one piece and get placed in one day.
20	the potential possibly that will get in there	20	
21	where you have a design	21	comes after that's in place and we have commercial
22	THE WITNESS (Roberts): Correct,	22	power to the site. So that comes in one day. It
	and we'll analyze any kind of economizers of any	23	get placed on there. It doesn't need to be
	air handlers on the roof. We'll make sure we're	24	staged.
25	clear of all that.	25	The same with the generator. If
	Page 58		D
			Pade 60
			Page 60
1	MR. SILVESTRI: A couple more		the slab that the generator is going to sit on is
2	MR. SILVESTRI: A couple more questions. Where are you going to stage the	2	the slab that the generator is going to sit on is not in place, cured and ready, the
2 3	MR. SILVESTRI: A couple more questions. Where are you going to stage the equipment lay down areas for construction if this	2 3	the slab that the generator is going to sit on is not in place, cured and ready, the generator doesn't show up on site. The generator
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25 72-feet level it may not be the best option.

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	Page 61		Page 63
1	Because I guess to summarize it, we will not	1	call data, that our biggest problem here is more
	achieve our capacity, our our objective to		of a voice over LTE, our voice over IP voice
	offload capacity from the neighbors if we are		technology that kind of took over the 850 voice
	pushed down towards the 72 feet level. So that's		technology not being sufficient in this area. We
	our concern, but at the 82, we look okay at 82.		call it a multi parity cell site, as opposed to a
6	MR. SILVESTRI: Could everything be		strictly capacity cell site.
	mounted at the 82-foot level, and not have to go	7	Now every cell site that we have
	to the 92-foot level and still achieve your	8	
	objective?	-	capacity and provides incremental coverage even if
10	THE WITNESS (Ulanday): I don't		it was initially designed as a capacity site. But
	know.		this site here, although it has capacity issues
12	THE WITNESS (Befera): No. The		that it will address, the bigger problems it's
	idea of having a unipole, having something that		going to fix is the gap in the coverage as
	looks as clean as the proposed is it limits		illustrated by the drop call data as well as the
	what we can put at each level, which is why our		ineffective attempt data.
	initial deployment, which is only two out of the	16	So you know, a hundred feet tall
	four frequencies that we have licenses for, are		wasn't an arbitrary number that was picked. It's
	going at those levels.		done by a lot of modeling analysis that the RF
19	That third slot could be when		engineering group does. And modeling analysis can
_	like when Ms. Ulanday talks about optimizing		be very accurate with the stuff that they have
	sites, the surrounding sites and doing everything		today.
	that we can do with those sites before we look for	22	So pushing it down ten feet it's
	an additional site to releve those ineffective		not going to do as good a job, especially at the
	attempt/dropped call problems that we have. We		higher frequencies. And when the 2100
	add those additional frequencies to those		frequency the AWS frequency starts exhausting
	1		
	Page 62		Page 64
			-
	surrounding sites, like he referred to it as		like the surrounding cells, our answer is to add
2	surrounding sites, like he referred to it as modernization. And what that is, is adding those	2	like the surrounding cells, our answer is to add the 1900 frequency. That's also a high frequency.
2 3	surrounding sites, like he referred to it as modernization. And what that is, is adding those frequencies to give those sites everything that	2 3	like the surrounding cells, our answer is to add the 1900 frequency. That's also a high frequency. It's not the 850. It's not the 700, but that's
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	Page 65		Page 67
1	probably the answer then.	1	DR. KLEMENS: What was the nature
2	The last one I have for you deals		of the multiple businesses? And I'm telling you
	with security. I've been reading a lot about		where I'm going with this. How many of those
	geomagnetic disturbance radiofrequency weapons, to		businesses involve cooking or equipment that in
	go that far. Would the system been resistant to		and of themselves are fire hazards?
	any of that, or cyber attacks?	6	
7	THE WITNESS (Befera): To date it	-	bakery. I saw a Subway. I saw what looked like a
	has been, so I have to assume that it is. We have		Japanese restaurant.
	not been subjected to any type of cyber attack on	9	DR. KLEMENS: So you saw places
	our network 30, 35 years that we've been in		that have cooking and other types of things?
	business here.	11	
12	MR. SILVESTRI: Yeah, it's not the	12	
	typical question, but it goes a lot with the		state my opinion on this. I think this gas line
	background that I come from. Thank you.		on the roof is really I've never seen anything
	Thank you, Mr. Chairman.		like this. I think with the nature of the
15	THE CHAIRMAN: Thank you.		particular buildings I would be concerned.
16	Dr. Klemens.		
17		17	
18	DR. KLEMENS: Well, I've had a lot		in the back in that alley? Or you also said you
	of trouble trying to follow this entire dialogue.		could bring it off the street, but there's another
	The acoustics in this room are very challenging for man So if I repeat or ask something that has		option. You could trench in that open space there at the back. Correct?
	for me. So if I repeat or ask something that has		
	been said, please forgive me.	22	······································
23	I really want to focus on some		and we'll explore those options. It's kind of how
	larger policy issues, but let's first go with the gas line. I'm looking on what page is this?		much gas are they delivering? At what pressure? And is that adequate for our generator set to run
25	gas line. Thi looking on what page is this?	25	And is that adequate for our generator set to full
	Dage 66		Dage 69
	Page 66		Page 68
1	Page 66 The first, sort of the overview map, the All	1	Page 68 with all the other appliances that are on that, on
2	The first, sort of the overview map, the All Points overview map of the site. It's by the very		
2 3	The first, sort of the overview map, the All Points overview map of the site. It's by the very beginning, its introduction. It's not numbered.		with all the other appliances that are on that, on
2 3	The first, sort of the overview map, the All Points overview map of the site. It's by the very	2 3 4	with all the other appliances that are on that, on that gas line. DR. KLEMENS: When that generator is not being used and there is a fire in that
2 3 4	The first, sort of the overview map, the All Points overview map of the site. It's by the very beginning, its introduction. It's not numbered.	2 3 4	with all the other appliances that are on that, on that gas line. DR. KLEMENS: When that generator
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2 3 4 5 6 7	The first, sort of the overview map, the All Points overview map of the site. It's by the very beginning, its introduction. It's not numbered. It's like maybe II oh, it's three Is. It's III. In looking at the nature of that roof, can someone tell me what all these openings	2 3 4 5 6	with all the other appliances that are on that, on that gas line. DR. KLEMENS: When that generator is not being used and there is a fire in that building and it penetrates that gas line, is there
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		1	,
	Page 69		Page 71
1	So being mindful of the concept	1	from going straight to our landlord for that
	that we're here, one of the things we look at is		additional ground space. It's something that
	ways to encourage tower sharing. Might not a		happens quite often in our business.
	different configuration of the lease area or the	4	DR. KLEMENS: Well, I understand
		-	
	placement of the tower in that rather large space		what you're saying and I respectfully I mean,
	be able to achieve that potential goal, which is a		if you could make a larger compound there's a lot
	goal that I believe we heard about in detail on		of land back there. You could have a larger
8	Docket 471 two days ago?		compound. You could probably make it more
9	THE WITNESS (Befera): The way that	9	attractive for someone to co-locate there.
10	the industry handles a situation like the one that	10	I think as it is now, it's very
11	we have is well, we need to be we need to	11	unattractive and probably we're creating a tower
	maintain that eight-foot width so that we once		that will only be served by Verizon. I think it
	we're done we still have access around the		will be highly unlikely. That's my opinion.
	building for egress, ultimate means of egress and	14	
	s so forth.		final we'll keep on calling this thing a
	~		
16			monopole, but it's not a monopole. It's a
	pole owner doesn't control enough land to do a		flagpole, or allegedly a flagpole.
	sublease that can accommodate both tower space and	18	I'm looking at the photo simulation
	ground space, is we do a tower only sublease and		number 16, which is from Holland Road. I imagine
20	the prospective tenant has to go to our landlord		that's actually the house which had the foxhound
21	for the additional ground space on a separate	21	in the back, that red house just to orient me?
22	agreement.	22	THE WITNESS (Libertine): That is
23	Those are things that we do when we	23	correct.
24	go to collate co-locate on locations such as	24	DR. KLEMENS: Thank you. How wide
	this, and that's what another carrier would need	25	is that flagpole, as you call it?
			is that magpine, as you can for
	Page 70		Page 72
	Page 70		Page 72
	to do if they were going up. And the tower only	1	THE WITNESS (Roberts): The
			-
2	to do if they were going up. And the tower only	2	THE WITNESS (Roberts): The
2	to do if they were going up. And the tower only rent, of course, is discounted taking into account that they also have to pay the underlying landlord	2 3	THE WITNESS (Roberts): The flagpole itself is three-foot in diameter at the
2	to do if they were going up. And the tower only rent, of course, is discounted taking into account that they also have to pay the underlying landlord some money to have that space on the ground.	2 3 4	THE WITNESS (Roberts): The flagpole itself is three-foot in diameter at the top, and approximately 45 inches in diameter at the base. The areas that contain the antennas
34	to do if they were going up. And the tower only rent, of course, is discounted taking into account that they also have to pay the underlying landlord some money to have that space on the ground. DR. KLEMENS: So if I hear you	2 3 4 5	THE WITNESS (Roberts): The flagpole itself is three-foot in diameter at the top, and approximately 45 inches in diameter at the base. The areas that contain the antennas themselves are all three-foot. So it tapers up to
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1	would achieve pretty much the same thing. This	1	There's no question it could be a little slimmer.
	does conceal everything and it's not as busy		I'm not sure I can speak to the executive
	visually.		dimensions themselves.
4	DR. KLEMENS: What I'm trying to	4	I I go back to the fact that
	get is, how much mass are we creating by this		here, in this particular situation because we did
	attempt to cover everything? It just looks, again		have close, or closer residences than you might
	from the simulation I know Mr. Libertine's		see in most applications, the feeling was the
	simulations are pretty good.		and I'm not personally I think it is a misnomer
9	This looks very I've seen these		to really classify these as flagpoles.
_	before. I saw them in Norwalk, the double one we	10	I think in the old days we actually
	did in Norwalk on the parkway. But somehow they		used actual flags on top of these, but that's not
	were higher. They didn't look quite as jarring.		really longer a standard practice. So these are
	This is very, to me, a very jarring look from this		really unipoles, and the whole idea is to give it
	residence, just my opinion.		a clean book.
15	THE WITNESS (Libertine): I I	15	And you're absolutely right. I
	think the overall net gain, if you will, in terms		mean, I always say, beauty is in the eye of the
	of a reduction of the diameter of the pole, we		beholder. And some people think this is a great
	might be able to achieve something in the range		sleek look. And others say, well, geez. It kind
	of, you know, 12 inches. Once you get to the top		of looks blocky to me. So it's a but the idea
	you're probably talking a busier look just because		here was really to keep it as clean is possible
	we've got the external equipment. There's, you		all the way up, but particularly because we knew
	know, the remote radio heads.		we had views that were primarily the upper
23	DR. KLEMENS: How much with the		portions.
	external, Mr. Libertine?	23 24	And most folks do take offense to
25	THE WITNESS (Libertine): I think		seeing the antennas, the equipment, the cabling
2.5	THE WITTLESS (Electune): I unink	2.5	seeing the antennas, the equipment, the eability
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	we'd be gaining somewhere in the, you know, a		and all the coupling at the top of these. And
2	we'd be gaining somewhere in the, you know, a foot. We might be able to reduce the pole size at	2	and all the coupling at the top of these. And where we have two consecutive slots being used, it
2 3	we'd be gaining somewhere in the, you know, a foot. We might be able to reduce the pole size at the below the antenna slots by perhaps a foot	2 3	and all the coupling at the top of these. And where we have two consecutive slots being used, it would be substantially busier. But I certainly
2 3 4	we'd be gaining somewhere in the, you know, a foot. We might be able to reduce the pole size at the below the antenna slots by perhaps a foot or so. Maybe 8 to 12 I'm sorry. 12 to 16	2 3 4	and all the coupling at the top of these. And where we have two consecutive slots being used, it would be substantially busier. But I certainly hear and appreciate what you're saying in terms
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001	meeticut Siting Council		Julie 15, 2017		
	Page 77		Page 79		
1	You know, there's cables from	1	that's true, yes.		
2	everyone above you going by you. So you know, you	2	DR. KLEMENS: Okay. Thank you. I		
	reach a limit on how far you can expand, and also	3	have no further questions, Mr. Chairman.		
	that center pipe where it was a single carrier ray	4	THE CHAIRMAN: Mr. Lynch.		
5	dome, you know, ten feet tall you might be at a	5	MR. LYNCH: I do have a few		
6	six-inch diameter center pipe.	6 questions, Mr. Chairman, but with this cold my			
7	Where now that we're doing a four	7	voice might give out before the questions get		
8	or five, we might in fact have, you know, a 10 or	8	asked, so consider yourself fortunate.		
	12-inch diameter structural member in that	9	First I want to say I'm not		
	section, which now makes little littler less		testifying, but I know you're not going to fly a		
	room for the antennas, which then increases that		flag here, but I do want somewhere in the		
	diameter of that ray dome from a 36 to possibly		application I do want to recognize the fact that		
13	42.		you understand flag protocol and I thank you for		
14	DR. KLEMENS: So in fact, it would	14	that.		
	not be unfair to say that the lack of compound	15	Mr. Befera, I know within each		
	size coupled with the design of this tower		tower there's a fault point that the tower will		
	actually de facto results in a tower that probably		collapse on itself. What's the difference between		
	is not going to be shared, or made very, very	18	that happening to this flagpole and a standard		
	difficult to be shared?		monopole? Is there any difference? And if so,		
20	THE WITNESS (Befera): I I don't		what is it?		
	believe that's the case, Dr. Klemens, because it	21	THE WITNESS (Roberts): I'll field		
	is and I know I've mentioned it, but it is very		that one.		
23 24	common on both sides. When we go on someplace where the	23	MR. LYNCH: Thank you, Mr. Roberts. We'll go through the engineer.		
	tower owner doesn't have ground control or vice	24 25	THE WITNESS (Roberts): Certainly		
25	tower owner doesn't have ground control of vice	25	THE WITTLESS (Roberts). Certainty		
	Page 78		Page 80		
1	-	1	-		
	versa, it is very common that the tower owner is		this will be a little bit different than any		
2	versa, it is very common that the tower owner is respective of that, offers a reduced rate for	2	this will be a little bit different than any like a monopole you'll point usually, or massing		
2 3	versa, it is very common that the tower owner is respective of that, offers a reduced rate for tower only space. And the separate lease is	2 3	this will be a little bit different than any like a monopole you'll point usually, or massing at a certain depth, distance, and you have a, you		
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2 3 4 5	versa, it is very common that the tower owner is respective of that, offers a reduced rate for tower only space. And the separate lease is usually of nominal value in comparison.	2 3 4 5	this will be a little bit different than any like a monopole you'll point usually, or massing at a certain depth, distance, and you have a, you know, you're basically building the tower stronger		
2 3 4 5 6	versa, it is very common that the tower owner is respective of that, offers a reduced rate for tower only space. And the separate lease is usually of nominal value in comparison. And the end result and the tower	2 3 4 5 6	this will be a little bit different than any like a monopole you'll point usually, or massing at a certain depth, distance, and you have a, you know, you're basically building the tower stronger than it needs to be above code. And then		
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	Page 81		Page 83
1	So they would most likely be at that one section a	1	winning a trip to the Caribbean on my phone. And
	yield point.		when that comes through I automatically just shut
3	MR. LYNCH: And if we could stick		it down. Would that be considered a dropped call,
-	with the pole for a second. On C-4 behind tab 4,		or do I have to start to reconnect the call to be
	I guess it is, you have the array setup and it		considered a dropped call?
	looks like there's just two arrays. But would	6	THE WITNESS (Ulanday): If if
	there be more sectors north, south, east, or west?	-	the terminal is shut down it's not a dropped call.
	Or in some cases I've seen where you have a		It's basically saying your your phone, before
	cannister that actually surrounds the pole that		it gets shut down it will send a message to the
	you fit all your different sectors in.		network saying that you turned off your phone so
11	What are we looking at here? I'm		it's not a dropped call.
	looking at C-4.	12	
13	THE WITNESS (Befera): That, that	13	
	is basically a top-down view of the tops of the	-	I think, to Mr. Silvestri about upgrading your
	antennas, what what they would look like if you		system, or upgrading the towers when you can
	were floating above the pole and looking down		now if a new frequency comes along and you have to
	inside of it, if it were open at the top. Those		add new equipment or take out old equipment, you
	three those three blobs, the top, there would		know, how difficult or how easy is that an
	be antennas mounted to the inside of the ray dome.		application to do for your maintenance people?
20	MR. LYNCH: Would they be mounted		And how long would it take?
21	on all four sides, or just two sides?	21	Let's say you got a new frequency,
22	THE WITNESS (Befera): No, no.	22	you know, one that's more valuable than the LTE
23			is, 700. How long would it take to actually
24	MR. LYNCH: Three? Okay.		outfit your entire network?
25	THE WITNESS (Befera): There's	25	THE WITNESS (Ulanday): If ever we
	Page 82		Page 84
1		1	-
1	three. There's the alpha, beta and gamma sector.		get a new frequency it's basically we just need to
2	three. There's the alpha, beta and gamma sector. MR. LYNCH: I've got it now. Thank	2	get a new frequency it's basically we just need to change the antennas to accommodate the new
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2 3 4	three. There's the alpha, beta and gamma sector. MR. LYNCH: I've got it now. Thank you. Also within the application and in	2 3 4	get a new frequency it's basically we just need to change the antennas to accommodate the new frequencies. MR. LYNCH: I still can't hear.
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	Page 85		Page 87		
1	MR. LYNCH: All right. Thank you.	1	chance.		
2	On page 9 of the interrogatories	2	MR. LYNCH: Thank you very much.		
	you talk about the surrounding cell sites, you	3	THE CHAIRMAN: Thank you.		
	know, reaching their limit. Now is that limit due	4	A question. This, the design of		
	to calls, or due to capacity? And it's question		the pole, this so-called flagpole, where did that		
	number 21. Sorry.		come from? Did that come from Bridgeport, the		
7	THE WITNESS (Ulanday): Yeah,	⁷ community? Or is that from Verizon using that,			
	Trumbull two based from the latest data that we		that design?		
	have, if we can see that the site is already	9 9	THE WITNESS (Befera): That was		
	touching our capacity trigger.	_	that was our choice thinking it was a clean look.		
	MR. LYNCH: Because what I'm really		THE CHAIRMAN: And I want to get		
11	-	11	÷		
	getting at is I see most of what we're doing is a		well, the question is really the rationale, but		
	capacity problem, not a call problem. Would I be		I'll put it in another way. Is it feasible to do		
	incorrect in assuming that?		what I would call a traditional monopole with the		
15	THE WITNESS (Ulanday): Capacity		exterior?		
	can mean a call or data, so it's everything	16	THE WITNESS (Befera): Absolutely.		
	actually.		And absolutely, we could do it.		
18	MR. LYNCH: Okay. I'll take that.	18	THE CHAIRMAN: Would you be opposed		
	Now lastly, I have one last question. In lieu		to that if the Council		
	and it's, again it's not really part of this	20	THE WITNESS (Befera): Not at all.		
	application. But in lieu of what's happened in		We thought that this we don't we don't		
	Paris, London, and Washington D.C. yesterday we		prefer this type of design particularly with the		
	get an influx of people going on their		antennas. We technically we prefer to have the		
24	phones checking on their family, their friends and		triangular array, because with the type we		
25	so on.	25	prefer a typical monopole, the triangular array,		
-	Page 86		Page 88		
1	-	1	-		
1	Is there a possibility like I think		because one antenna in the middle can't see you		
2	Is there a possibility like I think happened in Katrina where your system could crash?	2	because one antenna in the middle can't see you over there better than I can see you over there.		
2 3	Is there a possibility like I think happened in Katrina where your system could crash? And if so, is there a backup, whether it's, you	2 3	because one antenna in the middle can't see you over there better than I can see you over there. But when you have antennas 12 feet across, this		
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-	communication with the Town, since basically or	-	be cautious to the fact that, again an added
	the City, since basically there were none, I mean		carrier adds that many more cables into, you know,
	other than		· · ·
			the mix and you know that diameter might increase from 36 to 42.
4	THE WITNESS (Befera): That's fair		MR. PERRONE: And under tab one the
	to say. They didn't ask for anything. THE CHAIRMAN: If it was the	5	
6			environmental assessment statement. Originally
	monopole, would that affect the height.		when I had looked at this I had noticed it says,
8	THE WITNESS (Befera): No, that		the equipment to be in operation at the site would
	wouldn't affect the height because we'd still have		emit no noise. And then there was some later
	the same frequencies at the same height that		discussion on a possible noise analysis.
	needed that height.	11	2
12	THE CHAIRMAN: Okay. All right.		radio equipment?
	That's the last question I have.	13	THE WITNESS (Befera): The noise
14	MR. PERRONE: I just had a couple		study only refers to if the generator were in
	final cleanup questions, Mr. Chairman.		operation for a commercial power outage. Other
16	Hypothetically, if Cellco were to		than that, it's a hum like a refrigerator, like a
	go with a monopole would that result in a larger		refrigerator in your home, the equipment itself.
	foundation and potentially a bigger compound? Or	18	MR. PERRONE: I understand the
19	would the compound size stay about the same?		analysis based on the generator, but the radio
20	THE WITNESS (Roberts): The		equipment and battery equipment, the general
	compound itself would remain the same size. The		ground equipment, would that impact sound levels
	base would probably be roughly the same diameter.		at the property boundary?
	It's just, you know, when we got to the top we	23	
	transitioned at the very top of the steel		sound emitting from the radio equipment is like
25	structure the faceted side to around to 36 inches.	25	it's it's no more than your refrigerator in
	Dest 00		Dave 22
	Page 90		Page 92
	Where in this case it would in fact be a smaller	1	your home turning on.
2	Where in this case it would in fact be a smaller diameter as it went up and it would also give a	2	your home turning on. MR. PERRONE: And back to the sound
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COL	inecticut Siting Council			JU	ne 15, 2017
	Page 93				Page 95
-	record until 7 n m of which time we'll commence	1	IND	ЕХ	
	recess until 7 p.m., at which time we'll commence	2	WITNESSES		
	the public comment session.	3	Anthony Befera		
3	(Whereupon, the witnesses were	4	Ryan Ulanday		
	excused and the above proceedings were concluded	5	 Michael Libertine		
	at 4:57 p.m.)	6	Dean Gustafson		
6		7	Douglas J. Roberts		
7		8	Aleksey Tyurin	- Page 8	
8		9		5	
9		10	EXAMINATION		
10		11	Mr. Perrone	- Page 11	
11		12	MI. FEIIONE	- rage II	
12		13			
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	Page 94				
1	CERTIFICATE				
2					
3	I hereby certify that the foregoing 93 pages				
4	are a complete and accurate computer-aided				
5	transcription of my original verbatim notes taken				
6	of the Siting Council Meeting in Re: Docket No.				
7	472, APPLICATION FROM CELLCO PARTNERSHIP D/B/A				
8	VERIZON WIRELESS FOR A CERTIFICATE OF				
9	ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED FOR				
10	THE CONSTRUCTION, MAINTENANCE AND OPERATION OF A				
11	TELECOMMUNICATION FACILITY LOCATED AT 541				
12	BROADBRIDGE ROAD IN BRIDGEPORT, CONNECTICUT, which				
13	was held before ROBIN STEIN, Chairman, at the				
14	Bridgeport City Hall, Council Chambers, 45 Lyon				
15	Terrace, Bridgeport, Connecticut, June 15, 2017.				
16					
17	() and the second secon				
18					
19	Robert G. Dixon, CVR-M 857				
20	Notary Public				
21	BCT Reporting, LLC				
22	PO Box 1774				
23	Bristol, Connecticut 06011				
24	My Commission Expires: 6/30/2020				
25					
-					