

TOWNSHIP OF CHATHAM BOARD OF ADJUSTMENT
PUBLIC HEARING

IN RE: NEW CINGULAR WIRELESS, * SEPTEMBER 18, 2014
PCS, LLC (AT&T) 63 *
BUXTON ROAD, BLOCK 62, *
LOT 105 *
- - - - - *

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

Job No. CS1900209

1 T R A N S C R I P T of the stenographic notes of
2 the proceedings in the above-entitled matter as
3 taken by and before LATITISA RUSSELL, CCR
4 #30XI00234100, RPR and Notary Public of the State
5 of New Jersey, held at the Township of Chatham
6 Municipal Building, 58 Meyersville Road, Chatham,
7 New Jersey, September 18, 2014 commencing at
8 approximately 8:15 p.m.

9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

1 A P P E A R A N C E S:

2

3 PINILIS HALPERN, LLP

4 BY: JUDITH FAIRWEATHER, ESQUIRE

5 160 Morris Street

6 Morristown, New Jersey 07960

7 Counsel for the Applicant

8

9 STEPHEN H. SHAW, ESQUIRE

10 Counsel for the Board

11

12 BOARD MEMBERS:

13 Tony Vivona, Chairman

14 John Weston

15 Kathryn Surmay Kenny

16 Richard Williams

17 Glen Nelson

18 Tina Romano

19 Thomas Polise, Alt #1

20 William Styple, Alt #2

21 John K. Ruschke, Board Engineer

22 Robert A. Michaels, Board Planner

23 Kali Tsimboukis, Board Secretary

24

25

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

- - -
I N D E X
- - -

WITNESS	DIRECT	CROSS
Jim Dowling		
By: Ms. Fairweather	6	

Robert Michaels		
By: Mr. Shaw	15	

- - -
PUBLIC SPEAKERS
- - -

NAME	PAGE
HAYLEE MESSING	9, 51
VINCENT CARACCIOLO	12, 24
JOHN YOUNG	23, 77
DEBORAH FLICKINGER	25, 49
DAVID DREYFUS	29
NANCY COOK	36
KATHERINE PORTER	40
CHRISTINA PETERSEN	41, 82
BRAD WEISGERBER	61
KATIE WEISGERBER	67
ASHLEY DUNN	69

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

- - -
PUBLIC SPEAKERS
- - -

NAME	PAGE
JAY MESSING	70
SAIKAT SEN	73
JIM BRENNAN	74
DOUG MATTLE	79
JOHN VAN SLYCK	81
ANNIE LEVINE	86
RAY GREEVES (ph)	86
ALYSSA RESNICK	87

- - -
E X H I B I T S
- - -

NO.	DESCRIPTION	PAGE
O-2	At&t Sales Maps	55
O-3	Photograph	56
O-4	Photograph	60
O-5	Photographs	62

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

- - -

MS. FAIRWEATHER: Good evening,
Mr. Chairman.

CHAIRMAN: Good evening.

MS. FAIRWEATHER: Judy Fairweather on behalf of Cingular Wireless before you this evening. As you remember last time Cingular finished its testimony and since that time on August 5th, Cingular revised two of its sheets. It was a debate on the number of cabinets, whether or not it complied with Section 6409. So Cingular sent in the revised two sheets reducing it from five cabinets down to four and I brought my planner this evening to put it on the record, since I'm attorney and can't testify.

CHAIRMAN: Okay.

- - -

DIRECT EXAMINATION

BY MS. FAIRWEATHER

- - -

Q. Jim Dowling, I'm going to remind you that you're under oath and you've testified before, correct?

A. That's true.

Q. Could you please explain to the board

1 the changes in the site plans?

2 A. Sure. On August 5th, the letter dated
3 August 5th it was a submission to the board, two
4 sheets in the plans, Z-01 and Z-02, were replaced.
5 They are dated 7/31/14.

6 Effectively, what the change on those
7 two sheets are is that there were five cabinets in
8 the inside of the noise enclosure and that one of
9 those cabinets has been removed and there are four
10 cabinets now. Other than that, there were no
11 additional changes to the plan site.

12 CHAIRMAN: The sound enclosure is still
13 the same size?

14 THE WITNESS: Yes, sir.

15 MS. FAIRWEATHER: I have no other
16 testimony.

17 MR. SHAW: The second sheet on sheet
18 Z-02 depicts what is now the current cabinet
19 configuration in the different compound.

20 MS. FAIRWEATHER: Yes, sir.

21 MR. SHAW: It has a two cabinets which
22 are identified as proposed battery cabinets. One
23 is a proposed cell cabinet and the second is a
24 proposed AT&T DCT unit struck frame. Is that a
25 cabinet, also the proposed telco box?

1 THE WITNESS: No.

2 MS. FAIRWEATHER: No. The telco box,
3 that's what hooks it up with the electric and
4 power. It's not a cabinet. It comes from the
5 power company and the telephone company.

6 MR. SHAW: Okay.

7 MS. FAIRWEATHER: The only difference
8 is that one cabinet has been removed. The
9 remaining four cabinets are exactly the same.

10 MR. SHAW: Whatever the contents were
11 that were in the five cabinets have now been
12 consolidated into the four cabinets?

13 MS. FAIRWEATHER: Yes, sir and none of
14 the testimony has changed in regard to
15 radiofrequency engineering or anything.

16 MR. SHAW: Okay.

17 MS. FAIRWEATHER: That's it.

18 MR. SHAW: Thank you.

19 MR. MICHAELS: It was also something in
20 this enclosure called the proposed power panel. Is
21 that something that sits on the ground? What is
22 that?

23 MS. FAIRWEATHER: That's, I assume the
24 hookup. Tony Gaultieri testified to it last time.
25 It was the same that was there. The testimony

1 before would be from the engineer.

2 MR. MICHAELS: Okay.

3 MR. SHAW: If none of the board has any
4 questions, if any member of the public has any to
5 the specific modifications of the plan, if there
6 are questions on that, members of the public?

7 MS. MESSING: Haylee Messing, 60 Buxton
8 Road. You've gone from five to four. What other
9 equipment has changed? What is inside each
10 cabinet?

11 MS. FAIRWEATHER: The computer
12 equipment in the cabinets we never testified to
13 other than there is equipment in the cabinet.
14 Everything is the same. We just reduced it by one.

15 MS. MESSING: Is it slightly larger or
16 housing more equipment?

17 MS. FAIRWEATHER: It's not slightly
18 larger. The computer equipment inside AT&T, I
19 don't know what's inside of it before or and I
20 don't know what's inside of it after. It's
21 computer equipment.

22 MS. MESSING: But you're changing it
23 from the five to four. You reduced the number of
24 antennas, also or is anything else reduced?

25 MS. FAIRWEATHER: No, nothing else is

1 being reduced. All the testimony from the previous
2 witnesses, none of it has changed.

3 MS. MESSING: So wouldn't, if you're
4 going from five to four and everything is the same,
5 doesn't that mean it's more equipment in each
6 cabinet?

7 MS. FAIRWEATHER: I would assume it's
8 more computer equipment. The computer equipment
9 has been reconfigured. The cabinet size is all
10 that matters.

11 MS. MESSING: Would that impact the
12 fans that have to cool the equipment because now
13 you've got more equipment heating up a smaller
14 space? Would that mean you need more fans to keep
15 it cooler because it's a smaller area?

16 MS. FAIRWEATHER: No, none of the noise
17 information that was done or study has changed at
18 all. You're just assuming that changes in computer
19 equipment may mean more and may mean a higher fan
20 rate or something. The number of everything is
21 still the same. We just removed one equipment
22 cabinet.

23 MS. MESSING: Still doesn't -- I still
24 don't understand, but how can it be less and still
25 be the same? It sounds like you're making an

1 assumption that you -- that it wouldn't be hotter
2 and you wouldn't -- if everything stays the same
3 and you're reducing cabinets, you have more
4 equipment heating up in a smaller space.

5 MS. FAIRWEATHER: You're assuming that
6 the cabinets are completely filled. You're
7 assuming things that aren't correct. I'm sorry.
8 We are just removing one cabinet. Everything else
9 remains the same.

10 MS. MESSING: The other cabinets are
11 not getting larger?

12 MS. FAIRWEATHER: No, they are the same
13 size.

14 MS. MESSING: But they are getting more
15 equipment.

16 MS. FAIRWEATHER: As I testified
17 before, we've never discussed the computer
18 equipment. It's always been referred to as
19 computer equipment.

20 MS. MESSING: How is the sound expert
21 able to determine the sound if he doesn't know what
22 the equipment was and if this is changing, then
23 does his testimony change?

24 MS. FAIRWEATHER: No, the number of
25 fans does not change and the size of the equipment

1 is not changing.

2 MR. CARACCIOLO: Vincent Caracciolo,
3 123 Van Houton. So you went from five to four and
4 that suggests you could have done four in the first
5 instance. Was the five there because you wanted to
6 expand the operation in the future?

7 MS. FAIRWEATHER: The proposal set for
8 this site was exactly the same as the AT&T proposal
9 on all other sites and all other sites are done.
10 The testimony right now is that we went from five
11 to four.

12 MR. CARACCIOLO: If by chance the
13 greater amount of equipment in the box that's the
14 same size causes heating issues, would you then
15 come back and ask for more fans to be installed?

16 MS. FAIRWEATHER: This site cannot be
17 changed without coming back to the board.

18 MR. CARACCIOLO: So there is a
19 possibility that you'll come back?

20 MS. FAIRWEATHER: No, it isn't. We
21 went from five to four cabinets. The computer
22 equipment in the cabinets, however it was changed
23 or not changed, was never discussed. It's the same
24 size cabinet with the same fan. Any changes to the
25 site, whatever they would be, is not on the site

1 plan, has to come before the board.

2 MR. CARACCIOLO: This board needs to
3 understand that you may come back if there's
4 heating problems.

5 MS. FAIRWEATHER: We may come back for
6 whatever reasons any time in any front of any
7 board. You're assuming it's going to be heating
8 issues. I'm saying it's not going to be. Any
9 changes to the site, we have to come back before
10 the board.

11 MR. CARACCIOLO: Board, if you consider
12 that, they are going to come back for more.

13 CHAIRMAN: Anybody else? Questions
14 about this exact testimony? None heard.

15 MS. FAIRWEATHER: We're done.

16 MR. SHAW: Before opening it to the
17 public, I wanted to have an opportunity to swear
18 the board's planner in to provide some insight to
19 the board in the form of testimony as to whether
20 the --

21 AUDIENCE MEMBER: Cannot hear you.

22 MR. SHAW: At this point, I'm going to
23 have the board planner sworn in to be able to
24 provide some testimony to the board on a very
25 specific issue, which deals with the interpretation

1 and application of the FCC interpretation, which we
2 were discussing here earlier and last week, which
3 has a provision in it which restricted an
4 interpretation as to whether something is not
5 substantially changing and it's not increasing the
6 size of the tower, which it had indicated that five
7 equipment cabinets would be more than four
8 equipment cabinets and the interpretation was
9 restricted to the four cabinets.

10 The applicant has revised the plan to
11 comply with that. There are some questions I would
12 address to the board planner to see whether he
13 believes there are any other circumstances or
14 conditions relative to this application, which
15 would cause him to conclude that there was evidence
16 that could justify the Board of Adjustment
17 concluding that there was a substantial change and
18 therefore, the board would continue to have
19 jurisdiction on the Board of Adjustment's
20 jurisdiction on use variance.

21 So, Mr. Michaels, if you could raise
22 your right hand?

23 - - -

24 R O B E R T M I C H A E L S, after
25 having been first duly sworn, testified as follows:

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

- - -
DIRECT EXAMINATION
BY MR. SHAW
- - -

Q. I would ask in your professional opinion if you have reviewed this application, the testimony that we've had, revisions to the plans and if you could then offer some guidance to the board as to whether or not you believe that this application constitutes a substantial change or is not a substantial change and therefore, would restrict the board's jurisdiction under the FCC interpretation of Section 6409?

A. Yes, I'd be happy to. First of all, let the board and the public know that my comments, as you stated, are related to the guidance document and other circumstances on the site. The guidance document that was published by the Federal Communications Commission and it quotes the Middle Class Tax Relief and Job Creation Act of 2012. It states that a state or local government may not deny and shall approve any request for collocation, removal or replacement of transmission equipment on an existing wireless tower or base station, provided this action does not substantially change

1 the physical dimensions of the tower or base
2 station and this publication gives guidance to
3 boards and entities to determine what is a
4 substantial change and there is a couple things
5 that we talked about at the last meeting. One of
6 the section is number two, the mounting of the
7 proposed antenna would involve the installation of
8 more than the standard number of new equipment
9 cabinet for the technology involved, not to exceed
10 four or more than one new equipment shelter.

11 That's one item that is mentioned in here and the
12 applicant then has reduced the number of cabinets
13 from five to four, but I also note and some of the
14 questions that were asked of the planner a few
15 moments ago, in the shelter besides the four
16 cabinets that are identified, there is a proposed
17 telco box, which is noted, a proposed power panel.
18 Two proposed AT&T DC-2 line units frame. I'm not
19 certain what they are.

20 The question is then, can it be
21 determined that this box, is this box a cabinet?
22 It's not labeled cabinet. Cabinet is not defined
23 in this guidance document. I think that obviously,
24 if it was determined that a box is a cabinet, then
25 it's five and not four. There is another portion

1 in here, that number four, that says that the
2 mounting of the proposed antenna would involve
3 excavation outside the current tower site defined
4 as leased or owned property surrounding the tower
5 in any access or utility easements currently
6 related to the site.

7 They've stated that there is not going
8 to be any excavation outside the confines of what's
9 fenced in around the tower, but there is shown on
10 the plans a construction easement that is outside
11 the confines that is going to be in their place
12 during the time of construction, but there is a new
13 easement.

14 Another thing, obviously, as I stated
15 earlier in testimony a new structure is being
16 proposed here to enclose all of this equipment, a
17 nine-and-a-half-foot tall sound barrier, which has
18 not been on the site before.

19 Therefore, in my opinion, I believe
20 that there has been substantial change. There is
21 proposed to be substantial change to the site and I
22 feel that the board should review the application
23 pursuant to the standards of the Municipal Land Use
24 Law and caselaw as it deals with cellular towers
25 and I feel that there is some substantial change

1 and therefore, under the guidance this Middle Class
2 Tax Relief Act is not applicable in terms of that
3 the board may not deny and shall approve. I think
4 the board should look at this in terms of D
5 variance criteria and caselaw.

6 MR. SHAW: Any questions from the board
7 members?

8 MR. WESTON: I have a question
9 concerning the status of this guidance. Is this
10 guidance or I brought this up the last time, is a
11 regulation yet or is this guidance?

12 MR. MICHAELS: No, it's titled Wireless
13 Telecommunications Bureau Offers Guidance On
14 Interpretation of Section 6409A in the Middle Class
15 Tax Relief Job Creation Act of 2012. It goes on to
16 say, to date, the Commission has not received any
17 formal petition to interpret or apply the
18 provisions of that section. So it is a guidance
19 document. I have no knowledge that it's a
20 regulation.

21 MR. WESTON: Okay.

22 CHAIRMAN: So I'm taking it on as it's
23 still a case for the Board of Adjustment.

24 THE WITNESS: That's my opinion.

25 MR. SHAW: At this point does counsel

1 have some questions? You would like to follow up?

2 MS. FAIRWEATHER: Yes. I have my
3 planner here as rebuttal. You've listened to the
4 opinions of Mr. Michaels. Could you give your
5 opinion as a professional planner?

6 MR. DOWLING: Sure. I believe my
7 testimony from the previous meeting still stands,
8 that either assuming that it's a single equipment
9 shelter or using it not to exceed the four-cabinet
10 rule, I think we would still meet that criteria and
11 then in terms of the number of four, the
12 excavation, there is no excavation either in the
13 easement itself or that would be outside the
14 easement or outside the property or the lease hold
15 itself. So I believe we still meet those two
16 things as well as the other two.

17 MS. FAIRWEATHER: Jim, in regard to the
18 telco box, the power box, that's standard in all
19 institutions of telecom, correct?

20 MR. DOWLING: It's been explained to me
21 by the engineer. It's pertinent in the main
22 equipment.

23 MS. FAIRWEATHER: If it was considered
24 part of the cabinets and then the law for 6409
25 would not be four cabinets, but actually two,

1 correct, if they took all electrical telephone
2 connections that must be made to these sites by the
3 various power companies and telephone companies?

4 MR. DOWLING: Correct.

5 MS. FAIRWEATHER: The nine-and-a-half
6 sound barriers, people believe that's rather high.
7 How high is an average shelter?

8 MR. DOWLING: The standard --

9 MS. FAIRWEATHER: If we put a shelter?

10 MR. DOWLING: For the shelter in this
11 community, I believe, is 10 feet. I'm sorry and in
12 fact, I went back and looked at a number of other
13 applications and --

14 MS. FAIRWEATHER: You mean, other
15 telecom applications?

16 MR. DOWLING: Yes, and the size of the
17 shelter in terms of its length and width varied
18 slightly, but the height was always 10 feet. It
19 might be 20 feet by 12 feet, 20 feet by
20 11-and-a-half feet, but the height was 10 feet
21 across the board.

22 MS. FAIRWEATHER: So the fact that
23 whether you call it an enclosure at nine-and-a-half
24 feet, it's lower than AT&T's typical shelter,
25 correct?

1 MR. DOWLING: Correct, and the
2 footprint would be smaller.

3 MS. FAIRWEATHER: I have nothing else.
4 It was just a rebuttal.

5 MR. SHAW: As part of your ultimate
6 factfinding, you're going to have to address this
7 issue when we get around to making a decision, if
8 you believe it was a substantial explanation or
9 not.

10 MS. KENNY: Did we get the printed
11 recommendations and also, the law or something that
12 we could read to digest the information?

13 MR. SHAW: We had been discussing it.
14 It had been actually attached and distributed to
15 the board back in December because it was submitted
16 by the applicant as an objection at that point and
17 it was submitted to the board with their letter
18 outlining it, submitted to me and I submitted it to
19 the board.

20 MS. KENNY: That's in our packet and we
21 have the recommendations that Mr. Michaels was
22 making?

23 MR. MICHAELS: I did address it in my
24 initial letter under Paragraph 34 and I gave you an
25 opinion at that point that the board should hear

1 all the testimony.

2 MR. SHAW: Read that for the record.

3 MR. MICHAELS: Yes. Nevertheless, it
4 is my opinion that the board should hear the
5 testimony in regards to the D variance needed in
6 order to determine whether proposed changes are
7 substantial and determine whether the applicant has
8 met the statutory criteria. Additionally, the
9 board needs to, as it would any site plan
10 application, ensure the public safety and general
11 welfare to the greatest extent possible. That is
12 on page three of my December 10, 2013 letter under
13 item 30, last paragraph.

14 MR. SHAW: I guess from a technical
15 standpoint, we have had testimony from experts. If
16 anybody has a questions they wanted to ask the
17 experts on their very limited testimony on the
18 issue, someone is entitled to do it, but I think
19 you have, basically, two professionals' testimony
20 and you've heard that and put it out to the public
21 if you have any further questions.

22 MR. WESTON: I would like to repeat my
23 question just to emphasize its important to me.
24 While I've heard the two explanations of the
25 distinction between a box and a cabinet, I have not

1 heard anyone speak definitively to my concern that
2 the opinion of staff is nothing more than the
3 opinion of staff and at that point -- at this point
4 that's where that's where I'm at.

5 MS. FAIRWEATHER: The only thing I
6 would like to add to that is that the wireless
7 carriers are licensed by the FCC and must answer to
8 the FCC. So a wireless carrier looks at their
9 guidelines, their recommendations and their
10 reasoning based upon -- and it goes through the
11 whole history of why the history of the carriers'
12 locations and where they are and their construction
13 is and based upon agreements and everything else
14 that are in place, why these guidelines were set by
15 the FCC. So the carriers look at FCC guidelines as
16 something we had to follow as they license us and
17 we answer to the FCC.

18 MR. YOUNG: John Young, 30 Buxton Road,
19 Chatham. You said expert opinion. I would like it
20 clear that this is a hired professional for AT&T
21 and to designate him as an expert is something
22 other than.

23 MR. SHAW: He was accepted as an expert
24 professional planner as indeed our planner was.

25 MR. YOUNG: That doesn't mean he's an

1 expert in everything that he's saying, correct?

2 MR. SHAW: He's an expert professional
3 planner and as such, he's qualified to comment upon
4 various aspects of any application leading up to a
5 conclusion as to ultimate proofs in the case. So I
6 would say a planner is qualified to render an
7 opinion concerning whether an application satisfies
8 the exemptions of the FCC.

9 MR. YOUNG: Maybe, a nick, but
10 professional opinion versus expert?

11 MR. SHAW: I consider it the same.

12 MR. YOUNG: Well, I don't.

13 MR. CARACCILOLO: Vincent Caracciolo,
14 123 Van Houton. Just for clarification, the
15 guidelines stated, are they a statutory requirement
16 or is it just -- what is the difference? If you're
17 making a comment, I think everyone should know that
18 they may be different. I don't know. Are they
19 different.

20 MS. FAIRWEATHER: The statute is
21 adopted by the government. The FCC is a government
22 agency that oversees and regulates wireless
23 carriers. So a statute is a statute.

24 A guideline from the FCC that regulates
25 us is considered what a carrier would follow.

1 MR. CARACCIOLO: A guideline is the
2 same as a regulation and a violation of a guideline
3 could have the same impact as a violation of a
4 regulation?

5 MS. FAIRWEATHER: Regulations generally
6 set forth what penalties or whatever the
7 consequences are. These guidelines do not have
8 such a thing.

9 MR. CARACCIOLO: I guess. When I went
10 to law school, a regulation was a regulation and a
11 guideline was not a regulation. I just want it to
12 be clear.

13 MS. FAIRWEATHER: I'm not saying it's a
14 regulation.

15 MR. YOUNG: A guideline is not as
16 enforceable as a regulation, so to speak.

17 MS. FAIRWEATHER: A guideline is not a
18 regulation. Carriers look at FCC guidelines more
19 importantly than they do anything else because
20 that's who license them, but no, it's not a
21 regulation. It's not a statute. It's not an
22 ordinance.

23 MS. FLICKINGER: Deborah Flickinger, 7
24 Kincaid Lane. The reliance on 6409(a) and they
25 actually define some terms and in particular. Here

1 it says what is a wireless tower or base station.
2 A tower is defined in the Nationwide Collocation
3 Agreement as any structure built for the sole or
4 primary purpose of supporting FCC-licensed antennas
5 and their associate facilities. I think that water
6 tower does not meet criteria and for them to cite
7 that, they should --

8 MR. SHAW: You can certainly put that
9 comment in in a couple minutes. This really was
10 questions specifically of the planners.

11 MS. FLICKINGER: I'm questioning their
12 definition and I have this FCC guidance.

13 MR. SHAW: In a few short seconds.

14 MS. FLICKINGER: I do have concerns
15 about the 6409 really applies because the
16 collocation, what's up there now is just a fire
17 antenna. It applies to everybody?

18 MR. SHAW: If you read through the
19 regulations entirely, it's a provision in there
20 that defines what a base tower is and a base tower
21 is, basically, anything which has communications
22 equipment on it, including what is present here,
23 which are simply some, basically, communications
24 antennas for police and fire and things like that,
25 but they are permitted. There were approvals for

1 it. So what happens is, those things constitute
2 existing communications facilities on what they
3 classify, therefore, makes the entire tank,
4 theoretically, a base for communications equipment
5 and since there are currently communications
6 equipment although not telecommunications equipment
7 on it, the way that bulletin reads and interprets
8 that qualifies as collocation on a tower structure.
9 So that's where it fits.

10 MS. FLICKINGER: The whole thing
11 completely -- doesn't it seem by virtue of asking
12 for nine variances, that is the definition of
13 substantial change? Thank you.

14 MR. SHAW: These are all factors which
15 the board needs to address in terms of ensuring
16 that it's able to exercise jurisdiction over the
17 use variance issues.

18 MS. FLICKINGER: Thank you.

19 CHAIRMAN: Anybody else have questions
20 for either of the planners? None heard.

21 MR. SHAW: In which case it's time to
22 open up the hearing to the public for both comment
23 and testimony. If you are testifying as to your
24 opinions, probably what we will be doing is
25 swearing you in and then you can provide your

1 testimony. Counsel will be present. Should
2 counsel so desire, she has the ability to ask
3 questions of any of the witnesses and as indeed the
4 board can ask questions, as well.

5 MS. KENNY: Could we just go over what
6 happens after the public comment period?

7 MR. SHAW: After the public comment
8 period is concluded, the applicant will generally
9 make a closing presentation that will then -- there
10 will then be a motion to formally close the public
11 hearing at which point the board will, basically,
12 have a dialogue with the assistance of its
13 professionals to review what the relief is
14 requested and so that the board can make some
15 determinations.

16 MS. KENNY: So this is the public's
17 last opportunity to make a comment?

18 MR. SHAW: This is the public's really
19 only opportunity, but it's procedurally done after
20 the applicant has completed their case. If you had
21 an objector case or objector testimony, it would
22 come on now. If you have any expert witnesses, if
23 there is any person who believes they're an expert
24 in some area, they could offer themselves in that,
25 as well, subject to qualification. With that in

1 mind, why don't we open this matter to the general
2 public?

3 CHAIRMAN: State your name and if
4 you're a professional, just give us something on
5 the record.

6 MR. DREYFUS: My name is David Dreyfus
7 29 Huron Drive. I'm here really making public
8 comment, although I also happen to be an attorney
9 and part of my comment may cite a case or two, but
10 I'm really just providing my comments and
11 commentary as to what's been submitted to the board
12 so far.

13 First of all, as a former member of
14 this board, I want to just thank all of you because
15 I know this has probably been a lot of work for you
16 and you're not being compensated for what you're
17 doing here and you know, I just think you should be
18 thanked for putting in all the time and effort that
19 you've been putting in. In terms of -- I've gone
20 through the transcripts, although I think the
21 transcript from the July meeting was not on the
22 website, yet, but I went through the other
23 transcripts and I've been here at the several of
24 the meetings and heard the testimony and I would
25 respectfully submit to you that this should not be

1 a difficult decision for you. That AT&T
2 notwithstanding Ms. Fairweather's pretty
3 substantial efforts and skills as an attorney has
4 not put together and not satisfied what she should
5 satisfy in order for you to grant the numerous
6 variances that AT&T is seeking here.

7 The latest case that I saw in terms of
8 published opinions in New Jersey from United States
9 District Court from 2013, which is the T-Mobile
10 Northeast, LLC versus Borough of Leonia Zoning
11 Board of Adjustment case, 942 F. Supp 474 and the
12 court reviewed that there were two primary factors
13 for a board to consider.

14 The first factor is whether the
15 proposed location is the least intrusive on the
16 values the board should seek to serve. Here
17 they're asking for and I know the application keeps
18 changing, but I don't know if it's nine variances
19 or 11 variances, but it's numerous variances for
20 starters.

21 Second of all, when I reviewed the
22 township's master plan, what they are asking for is
23 so contrary to the township's master plan that it's
24 clear that it's not in conformance with the values
25 that -- not least intrusive on the values that this

1 seek to should seek to serve.

2 For example, the two 2006 reexamination
3 reports to the Chatham Township's master plan
4 states and I'll quote, the township should also
5 encourage the use of emerging technologies to
6 minimize the visual impacts of telecommunications
7 equipment in residential districts, closed quote.

8 Clearly, what AT&T is proposing here
9 does not comply with that requirement or that
10 provision of the master plan. In fact, there was
11 testimony and I can give you the page and line
12 reference when I get to that part from AT&T's own
13 witness that they didn't consider the merging
14 technologies and didn't consider alternative
15 technologies when they were putting this together.

16 The master plan also says that it's
17 intended to preserve the basic residential
18 character which exists throughout most of the
19 community and again, that's a quote. This
20 certainly does not comply with that. They list as
21 a specific objective of the master plan as, quote,
22 to limit nonresidential development to appropriate
23 areas of the township which will be in keeping with
24 the existing character of the community, closed
25 quote and that's in the master plan on page six.

1 Clearly, this does not comply with that provision
2 of the master plan.

3 Then they refer to the environmentally
4 sensitive planning areas in the township which
5 includes and I quote, the steep hillside along
6 River Road and extending to the Passaic River.
7 Now, it doesn't say exactly where that steep
8 hillside stops, but that hillside that goes up from
9 River Road goes right up to the ridge on Buxton.
10 So I believe this would be included or right on the
11 line and what the master plan provides is that
12 according to the master plan, such areas are
13 described by the state development and
14 redevelopment plan as being characterized as quote,
15 scenic vistas, closed quotes, which is exactly what
16 you have here. If you look out from that property,
17 I know from my house upstairs I can see the
18 Manhattan skyline at night. I believe the same
19 thing would be true from this site and then in
20 addition, the master plan talks about these areas
21 and again, quote, as having habitats of endangered
22 and threatened plant and animal species, closed
23 quote.

24 I don't know if you recall, but I had
25 asked the AT&T representative if they had looked

1 into whether this would impact wildlife in that
2 area and his answer was no. I think one of them
3 said there is a picture of a deer sitting in the
4 one picture. We have the deer sitting next to one
5 of our cell locations and that was his testimony,
6 which I believe is really nonresponsive. So you
7 have a number of provisions in the master plan that
8 this application is clearly inconsistent with and
9 clearly violates.

10 So if you then look at in addition, the
11 fact that you're talking about putting this in the
12 middle of a residential neighborhood, you have
13 children in close proximity. You're talking about
14 building a sound barrier that is nine or
15 nine-and-a-half feet high, but it's like putting in
16 a log cabin or a small home, I'm not sure how you
17 could have something that's more inconsistent with
18 the proposed location or be more intrusive on that
19 proposed location. So I believe that they clearly
20 do not satisfy that fact or what the court said
21 that you should consider.

22 The second factor is whether there is
23 and again I quote, a significant gap, closed quote,
24 in wireless service. Now in Sprint PCS Assets, LLC
25 versus City of Palos Verdes Estates 583 F.3d 716,

1 which is a 9th Circuit Court of Appeals decision
2 from 2009, the court made it clear just because
3 it's a gap in service means that it's a significant
4 gap. It noted that the Telecommunications Act,
5 which is a Federal statute, so the 9th Circuit,
6 which is one of the Court of Appeals and just below
7 the New Jersey Supreme Court, it's not binding on
8 the courts here because we are part of the 3rd
9 Circuit, would still be something that would be
10 given a lot of respect by courts here. It says
11 that it does not guarantee service free of small
12 dead spots.

13 If you listen to Mr. Joseph's
14 testimony, he had indicated that if you had
15 considered using a JCP&L power line location, that
16 would fill in this gap along River Road and he
17 testified that -- the transcripts reference is
18 pages 12 through 15. He also testified that if
19 they used one of the borough water tanks then the
20 only gap would be along River Road and that was at
21 transcript page 32. Therefore, if AT&T used both
22 of those locations, there is no gap. There was no
23 indication whether they had approached and tried to
24 use those locations. They talked about other
25 locations, but not those specifically.

1 In addition, he was not able to say how
2 far outside the design criteria they were and they
3 used their own design criteria, so I know that they
4 can use their own design criteria, but he wasn't
5 able to say exactly how far outside it was and that
6 was at transcript pages 34 through 36. He also
7 said that they did not consider building a
8 freestanding structure monopole and that he did not
9 do a propagation of combining N90 or any location
10 with alternate technologies. That testimony was in
11 the transcript pages 51 through 52 and he actually
12 admitted that alternate technologies are used
13 throughout the United States and that was
14 transcript pages 52 to 53, as well.

15 So based again on his own testimony
16 there are alternate technologies that at least
17 could have been considered that they failed to
18 consider and if you go to the Chatham Township
19 master plan, it specifically references encouraging
20 the use of emerging technologies to minimize the
21 visual impact of telecommunication equipment in
22 residential districts. They failed to do that.

23 AT&T has the burden of establishing
24 that there is a significant gap. They have a
25 burden of establishing that they have complied and

1 I respectfully submit that they did not do so and
2 that you should be in a position where you just
3 deny their application. Again, I appreciate your
4 listening and I appreciate all your time and effort
5 that you've put in this.

6 CHAIRMAN: Thank you, Mr. Dreyfus.

7 MR. SHAW: As we are continuing, we
8 will have a discussion concerning what the legal
9 standards are and how it should be applied at a
10 later date. At this point this is the opportunity
11 for the public to make their comments.

12 MS. COOK: Nancy Cook. I live at 145
13 Van Houton Avenue in Chatham and I'm a realtor and
14 one of the owners of Town and Country Properties in
15 Chatham. I'd like to speak to you tonight about
16 how I feel this will affect real estate values in
17 the Town of Chatham.

18 MR. SHAW: Is it your desire to testify
19 as a professional realtor in this matter?

20 MS. COOK: Yes, it is.

21 MR. SHAW: Could you give us the
22 benefit of your professional background and real
23 estate license that you have?

24 MS. COOK: Sure. I'm a licensed
25 realtor for 24 years in Chatham, working full time

1 since 1990. I found it to be true that both cell
2 antennas --

3 MR. SHAW: You're licensed for 29
4 years?

5 MS. COOK: 24 years.

6 MR. SHAW: As a realtor?

7 MS. COOK: Yes.

8 MR. SHAW: Your license is from the
9 State of New Jersey restricted to selling real
10 estate?

11 MS. COOK: Yes, listing and selling
12 real estate and I'm an owner of a local real estate
13 company in Chatham.

14 MR. SHAW: As such, are you involved
15 doing legal appraisals of property?

16 MS. COOK: Absolutely. I'm called on
17 to do appraisals of property.

18 MR. SHAW: As an appraiser or realtor
19 making comparable values?

20 MS. COOK: As a realtor making market
21 analysis, not a paid professional appraiser, but I
22 have --

23 MR. SHAW: If you want to testify would
24 you raise your right hand?

25 - - -

1 N A N C Y C O O K, after having been
2 first duly sworn, testified as follows:

3 - - -

4 MS. COOK: Just for a little more
5 background, I have probably in this immediate
6 neighborhood of Van Houton and Huron over the years
7 sold over 40 properties, listed and sold. So I
8 have quite a lot of experience pricing homes in the
9 Chatham area.

10 As a licensed residential realtor for
11 24 years in Chatham, I found it to be true that
12 both cell antennas and electrical power lines
13 discount the price a buyer is willing to pay for a
14 home by 20 percent on average. These homes take
15 longer to sell, typically after price reductions.
16 The buyer pool is reduced, as many would not
17 consider looking at these properties. For some
18 it's the fear and health concerns over radiation or
19 radiowave exposure and for all, it's the worry over
20 resale difficulties when they move.

21 I can cite two specific incidents in
22 2013 and '14 that also make this point. While
23 showing a buyer in this Highlands neighborhood in
24 2014, the buyer noticed a sign about, I guess it
25 was November 2013. He noticed signs of the

1 upcoming meetings, of the cell tower meetings and
2 his exact quote to me was, where will it be? I
3 would never buy on top of a cell tower or power
4 line.

5 My instance number two I'd like to
6 cite, I took buyers to see a home for sale at 8
7 Beacon Hill, Florham Park, which is one of the
8 exact comps that the AT&T appraiser mentioned in
9 his report and we drove up to the house at 8 Beacon
10 Hill Road. The couple looked, saw the cell towers,
11 saw the water tank and said, I'm not getting out of
12 the car. We're not even going to look. This
13 listing was originally listed on October 18, 2012
14 for a \$1,245,000. It sold for a \$1,100,000 482
15 days later. The Beacon Hill -- and as I said, the
16 Beacon Hill Road home I speak of was noted in the
17 AT&T appraiser's expert's report where he stated
18 values were not significantly affected. In my
19 opinion he is incorrect.

20 Cell antennas do not belong in the
21 center of a well-established residential
22 neighborhood. Aesthetically, 12 105-foot antennas
23 would loom over these 35-foot homes. 24/7 nonstop,
24 mechanical noise from the fans used to cool the
25 coils will disturb the peaceful enjoyment of

1 neighboring homes.

2 There are over 200 young children in
3 the immediate neighborhood. An unknown or even
4 perceived health effects are a concern. A
5 precedent I fear will be set for further commercial
6 industrial intrusion if these variances are granted
7 and I strongly oppose them. Thank you.

8 CHAIRMAN: Thank you, Ms. Cook.
9 Anybody else? This is your chance.

10 MS. PORTER: My name is Katherine
11 Porter. I'm at 3 Huron. I'm a retired lawyer, but
12 I'm speaking as a neighbor whose backyard this will
13 happen in. Over months I've been watching this
14 board and the careful way that they look at every
15 single application from a homeowner for a single
16 variance that might affect a single neighbor. Here
17 we're talking about a water tower on a small plot
18 and a commercial enterprise asking for multiple
19 variances that will affect an entire neighborhood.

20 If the zoning laws on which we all rely
21 when we buy our houses mean anything at all, turning
22 down this application should be an easy matter.

23 We've listened for hours to AT&T's
24 witnesses. We've been introduced to sort of
25 fairyland world in which the excuse for anything

1 and the answer to every question is something
2 called AT&T standard, an arbitrary standard
3 apparently lacking any flexibility to deal with
4 practical reality. We've heard a witness explain
5 carefully why it is impossible to find comparables
6 to evaluate the effect on the property values of
7 adding cell antennas to a water tank and then went
8 on to state his expert opinion based upon anecdote
9 that there is no affect at all. You heard our last
10 witness. We have even and I know it sounds hard to
11 believe, heard discussions of just how much
12 commercially-generated noise is okay for little
13 kids to listen to in their backyards. Your
14 decision should take much less time than AT&T's
15 presentation did.

16 AT&T's convenience, which is all this
17 amounts to, can't begin to outweigh the harms to
18 our neighborhood. Please say no.

19 MS. PETERSEN: Christina Petersen. I
20 live at 37 Huron Drive. I have a degree in
21 electrical engineering from UC Irvine. I worked in
22 the field the 10 last years of my career as an AT&T
23 employee, previously NCR. I've worked in
24 engineering design for computer equipment,
25 implementation, modeling, simulation, installation,

1 supervising, manufacturing, project management,
2 customer service, sales, pretty much the whole
3 gamut. I have Lyme's disease, so I would like to
4 sit.

5 Primarily, I don't believe AT&T has
6 proved their case that this represents the
7 substantial welfare. The data that they have
8 presented is primarily based on the RF models and
9 design criteria, which the design criteria is not
10 law and RF models are just that. They are models.
11 We have all built models. They are an educated
12 guess. I've done models. I've done simulations
13 and in the end the only matter -- the only fact
14 that matters is how does this device function. Can
15 you make the call? AT&T has not provided any
16 information to that extent.

17 In fact, if you do believe their models
18 they showed, if you bring up the maps and you look
19 at JCP&L number three power and N90, the
20 combination of those maps will cover the desired
21 area with the exception of three small areas to the
22 northwest in Chatham. Those areas are roughly
23 across from the high school, the area of Hall Road
24 and Highland, the back of Wickham Woods.

25 So to that extent, my husband and I and

1 our daughter drove in our car, videotaped us making
2 uninterrupted calls with the GPS to my other
3 daughter at home so that you can see through all
4 the areas where there are alleged gaps. You can
5 see the video of the phone. You can see the GPS.
6 We made uninterrupted calls through all of those
7 gaps. So I propose there are no significant gaps.
8 I have a video that I'd like to submit also links
9 to public videos on Youtube. You could take my
10 testimony, I would like submit this in evidence.

11 MR. SHAW: I'm not sure how we can just
12 accept it as evidence that as a document. It's a
13 public hearing. Is there a method of presenting
14 it? It has to be part of the hearing. You can't
15 just submit, here's a disc.

16 MS. PETERSEN: I asked earlier how to
17 submit the video evidence at an earlier hearing.
18 He said I could testify to it publicly. So that's
19 what I am doing, but I have a disc and I also have
20 the links.

21 MR. SHAW: I would say in order for the
22 board to consider something like that, it has to be
23 part of the record of the testimony. You can't say
24 here's a CD. If you're in court, if you have
25 something to present, you have multiple media

1 presentation?

2 MS. PETERSEN: Should I be sworn in?

3 MR. SHAW: You can be, but the point is
4 in terms of -- we can't consider what's on that CD
5 just by submitting to us. It has to be something
6 which is presented and heard at the hearing.

7 MS. PETERSEN: It's loaded on Youtube
8 and I provided the Youtube --

9 MR. SHAW: Your testimony, I think
10 that's sufficient.

11 - - -

12 C H R I S T I N A P E T E R S E N,
13 after having been first duly sworn, testified as
14 follows:

15 - - -

16 MR. SHAW: What we're saying is that we
17 don't need to see that. Your testimony is that you
18 went to all of those locations. You took the GPS
19 and you've verified there is no gap. There is no
20 inability to --

21 MS. PETERSEN: In fact, I have copies
22 of the RF maps with me with the combination of N90
23 and JCP&L and I drove through the areas that were
24 designated in white being allegedly without
25 coverage.

1 CHAIRMAN: That was on AT&T service?

2 MS. PETERSEN: AT&T service on my
3 husband's wireless phone.

4 MR. SHAW: Your testimony is
5 sufficient.

6
7 MS. PETERSEN: I would just say that
8 their testimony has been flawed. There have been
9 numerous corrections, changes. The plans submitted
10 came in with extra boxes on them initially and they
11 said just forget that one. They came in with no
12 noise marked and we get a noise expert saying
13 there's going to be noise and then we get, oh yeah,
14 to the extent it's illegal. So we have to build a
15 cabinet.

16 The RF expert tried to frighten us
17 thinking that we won't be able to make a 911 call
18 along River Road. It was not until I prompted him
19 that he finally admitted that a 911 call can go to
20 an alternate carrier. They've characterized the
21 noise as that of a personal computer. Having
22 worked with computers, the noise of a box to the
23 extent they are talking about is like the noise of
24 several large mainframe computers on a computer
25 floor. It's loud. I spent part of my career

1 working with that. So I do think there is also an
2 inconsistency in their testimony throughout the
3 hearing. I'd also like to comment on safety.

4 As you know, there has been a string of
5 burglaries in Chatham. The more people that are
6 authorized to be chomping around in our backyard,
7 the harder it is to know who actually belongs here
8 and as an engineer who has maintained, designed and
9 work on computer equipment, I'm telling you it
10 fails. You all have experience with computer
11 equipment. It fails. It requires upgrades. It
12 requires maintenance. My perception while not
13 being an expert on a water tower is that it's going
14 to be more -- require more intrusion than a water
15 tower would. My concern is the more people we have
16 walking around in our backyards, it's going to be
17 more obvious who's home and who's not and also,
18 just to know who should be there or not. I'm
19 seriously concerned about the safety of our
20 neighborhood with all the break-ins. I don't like
21 the idea of authorizing more people in a backyard.

22 I am Nancy Cook's client. I lived at
23 15 Huron right next to the water tower for four
24 years. I rented that home not being bothered by
25 the water tower because I thought it was a benign

1 presence. I also looked at buying the house with
2 the water tower in the backyard that the
3 Weisgerbers currently own. I considered purchasing
4 it again because I considered the water tower a
5 nonpresence.

6 I refuse to look at homes that backed
7 up to power lines because I was concerned as Nancy
8 characterized with the health issues. I already
9 have health issues. I don't need any more and
10 also, with the resale value I also believe that is
11 why the JCP&L tower locations are far more
12 appropriate for an antenna than the water tower
13 because they are already EMF emitting devices and
14 anyone who is going to be concerned about one is
15 most likely going to be concerned about another.
16 Whereas, the with antennas on top of the water
17 tower, they are less concerned in terms of the
18 amount of radiation being emitted, not amount, but
19 constant presence.

20 We've had experts testify that like a
21 microwave oven or a cell tower, but I would say --
22 cell cordless phone, but I would say the main
23 difference between the two is choice. I have a
24 choice whether I stand in front of my microwave
25 oven 24 hours a day while it's running. Once you

1 put an base station in my backyard, I have no
2 choice whether or not that emission is coming to me
3 24 hours a day. You'll take away our freedom of
4 choice to what we are going to submit ourselves to
5 when you put that base station in our backyard.

6 I do have petitions that were signed by
7 residents, which I'd like to submit. Are those
8 allowed to be submitted?

9 MR. SHAW: You can submit them, but the
10 board, we're only consider all the testimony that
11 was presented.

12 MS. PETERSEN: Okay. Can I testify
13 that there are --

14 MR. SHAW: You can testify as to the
15 number of people who signed it, I suppose.

16 MS. PETERSEN: I will testify the fact
17 that there are people who are not just in our
18 neighborhood. There are people who are also, like,
19 in Wickham Woods, other parts of the township.
20 This does not just represent the concerns of people
21 who are in the neighborhood. I will finish
22 counting the last page.

23 Finally, we've had some testimony by
24 Dr. Petersen from the non-ion -- please help me
25 with this.

1 DR. EISENSTEIN: Non-ionizing --

2 MS. PETERSEN: Non-ionizing ionics.

3 DR. EISENSTEIN: Non-ionizing
4 radiation.

5 MS. PETERSEN: And this bio initiative
6 2012 is also a panel of experts with as many
7 doctors, epidemiologists, the former member of the
8 panel, which directly refutes Mr. Peterson's
9 testimony. In fact, calls him into question for
10 his history of being in cellphone safety as,
11 basically, having him contradict himself at his
12 point in his career, which would have been against
13 his own personal welfare. This was written in
14 2012. The last non-ionizing radiation committee
15 findings were also, like, in 2006 or something like
16 that. So his testimony I think is subject just due
17 to his history and also the non-ionizing radiation
18 committee. They are self-nominating.

19 DR. EISENSTEIN: I don't know what
20 you're talking about.

21
22 MS. PETERSEN: I'll leave it at that.
23 That concludes my testimony.

24 MR. SHAW: Thank you.

25 MS. FLICKINGER: I'm Debbie Flickinger,

1 7 Kincaid Lane in Chatham. These maps are what are
2 represented on the AT&T website, they represent
3 full coverage. I think I represented to you that
4 my son goes to school and he has AT&T as his
5 carrier. I called them and expressed concern about
6 the coverage and they offered to provide a booster,
7 which the university is a substantial community.

8 I don't think we've heard from AT&T
9 that, in fact, they've represented any calls. When
10 I called, I'm sure they logged that. I don't
11 believe they represented any logs to this group
12 that said we had clients that voiced concern and
13 it's substantial, you need to support this
14 proposal.

15 Again, getting back, this is a public
16 notice published by the FCC and I quote, a tower is
17 any structure built and the key words are sole or
18 primary purpose of supporting an FCC-licensed
19 antennas and their associated facilities. So I
20 respectfully submit this in terms of interpretation
21 and how we should view this, but that, in my mind,
22 is not a base tower as they defined it in this FCC
23 memo. That's all. I have it. Would you like to
24 see this, anyone?

25 MR. SHAW: It's the same document that

1 we've been talking about.

2 CHAIRMAN: We already have that. Thank
3 you.

4 MS. MESSING: I'd like to thank
5 everybody and a lot of things that I was going to
6 say got covered. So if I pause when I'm reading,
7 it's because I'm not going to repeat what other
8 people said.

9 CHAIRMAN: For the record, state your
10 name.

11 MS. MESSING: Haylee Messing, 60 Buxton
12 Road. I wanted to start by addressing some of the
13 statements that Ms. Fairweather made during her
14 closing argument. To satisfy the positive criteria
15 she said that the water tower on Buxton was
16 particularly suited for the antennas and as Dave
17 Dreyfus said, it was not the least-intrusive
18 location. So I won't go into documents on that
19 since he covered that.

20 Then for the D variance relief, Ms.
21 Fairweather had to answer does this advance the
22 general welfare and the answer is clearly no. It
23 only advances AT&T's design criteria. Not only
24 didn't they prove that there was a significant gap,
25 they didn't even prove that there was a gap and

1 other people have mentioned that and if you would
2 like for the record, I have AT&T's own sales maps
3 showing that the area that they have showed white
4 gaps when they sell phone service to customers, our
5 area is the best to good coverage.

6 Also, in the December meeting on page
7 26 of the minutes, Dr. Eisenstein asked, if someone
8 was driving from the white area would you notice
9 any difference in the service and Yvonne would not
10 confirm that to be the case since AT&T phone users
11 would still be the using the other signal. But
12 regardless, even if there was a legitimate gap as
13 Dave said, the U.S. Court of Appeals for the 9th
14 Circuit, the second highest court in the country,
15 ruled that a gap does not signify a significant gap
16 and that the Telecommunications Act of 1996 does
17 not make provisions for degree of service and I
18 didn't know that that should be submitted as
19 evidence, if you guys want a copy of that ruling.

20 MR. SHAW: That 9th Circuit case, which
21 I will get into this later, but there is a
22 considerable difference in the law of New Jersey
23 and law of California for how these things are
24 evaluated and in New Jersey both New Jersey Courts
25 and the 3rd Circuit Court, which governs us

1 essentially indicates that the first thing that has
2 to be done, an applicant has to address whether you
3 have met the criteria for a variance, a use
4 variance and in that context, the concept of a gap
5 in service is really a planning question to
6 demonstrate that the site selected is particularly
7 suitable because it fills a gap in service.

8 The caselaw that you're talking about
9 and the standards essentially are cases from
10 California and to the extent that the case that was
11 cited from New Jersey is involved, that also
12 stands, basically, for the same proposition and the
13 first proof level is whether or not you meet the
14 standards New Jersey sets for a use variance and
15 the concept of gap in coverage is different than it
16 is if an application has been denied and the
17 question is going to be whether this was a
18 violation of the Telecommunications Act because the
19 Township Board of Adjustment denied an approval.

20 In that context, you do get into some of those
21 issues that you're talking about, but it's really
22 not until after the board has completed its review
23 and determined that it can deny an application.

24 They then also have to, you know, someone can
25 challenge that denial and assess that there was, in

1 fact, a significant gap in coverage and that we
2 were wrong for denying it, but that's the
3 framework.

4 MS. MESSING: That being said, to
5 satisfy negative criteria that the applicant must
6 demonstrate that the variances can be granted
7 without substantial detriment to the public. Here
8 Ms. Fairweather said, the use is passive, no smoke
9 and no odor. However, she omitted the fact that
10 there will be an unnatural, mechanical noise 24/7
11 from the cooling fans and I won't going into the
12 generator.

13 Two, she said there will be minimal
14 traffic, but she can't conclude that because if
15 AT&T gets approval, it's not possible to deny other
16 variances to other companies and at the March
17 meeting when this concern was raised, Dr.
18 Eisenstein testified, quote, in general when I look
19 at water towers around the State of New Jersey
20 there are antennas from almost all carriers on
21 there.

22 Three, Ms. Fairweather said says in her
23 opinion -- that was the real estate. I won't go
24 into that.

25 Four, she said that six or seven months

1 of the year trees block the view where these
2 obstructions would be, but that is because her
3 photographer stood underneath. This is from my
4 house right outside.

5 MR. SHAW: Do you want to enter
6 something into evidence?

7 MS. MESSING: Do I need to be sworn in?

8 MR. SHAW: Yes, and we'll mark that as
9 an objector's exhibit.

10 MS. MESSING: Do you want the sales
11 maps, too or no?

12 MR. SHAW: I believe there was
13 objector's counsel who we have the -- we had an
14 objector exhibit, O-1, which is an AT&T sales map.
15 It may be the same one. Just for the purpose of
16 our record, why don't you resubmit it? We can
17 distribute it, circulate it to the board and they
18 can look at it. We'll make that O-2, if you can
19 mark on the back of it O-2 and put a date on it,
20 today's date.

21 - - -

22 (At which time, an AT&T sales map was
23 received and marked as O-2 for identification.)

24 - - -

25 MS. MESSING: Do you want several

1 copies of it or one copy? I made one for
2 everybody.

3 MR. SHAW: If you have several copies
4 to facilitate people seeing it.

5 MS. MESSING: Do I pass it around now?

6 MR. SHAW: Yes. We need to keep one
7 with our record marked.

8 MS. MESSING: I'll give that to you
9 when I'm done.

10 MR. SHAW: That photograph you took
11 yourself?

12 MS. MESSING: Yes.

13 MR. SHAW: It was taken when?

14 MS. MESSING: It was taken this week
15 when I was knocking on doors to tell people about
16 the meeting.

17 MR. SHAW: O-3.

18 - - -

19 (At which time, a photograph was
20 received and marked as O-3 for identification.)

21 - - -

22 MS. FAIRWEATHER: I wanted to see that.

23 MS. MESSING: As you can see, the top
24 is visible like when Ms. Fairweather said that we
25 won't see those cabinets, this is what I see every

1 single day outside of my house. Not to mention --

2 MS. KENNY: Could you say what is the
3 view of that from? If you can say the number of
4 your house, maybe?

5 MS. MESSING: I'm number 60 and this is
6 standing in the street between -- it's in the
7 middle of the street where I'm standing.

8 MS. KENNY: Standing in front of your
9 house?

10 MS. MESSING: Yes, I was talking to my
11 neighbor and saw the view.

12 MR. SHAW: Do you want to circulate
13 that to the board? If you're about to show another
14 photograph, you should show it to Ms. Fairweather.

15 MS. MESSING: This was already in the
16 exhibits because this is AT&T's picture. I printed
17 this out of the newspaper that was in there today
18 because it was also showing that in the winter you
19 can see the tower. We've been told from their
20 pictures when it came to looking at the towers that
21 the trees block the view and even their picture in
22 the winter shows that it doesn't block the view.
23 My picture in the summer shows it doesn't block the
24 view.

25 MR. SHAW: That picture would speak for

1 itself.

2 MS. MESSING: I think that's Tony's
3 face in the picture. Also, as part of the criteria
4 it says that there shouldn't be any adverse impact
5 on adjoining properties and we know that won't be
6 true and it will impact the quality of life for the
7 people living around, especially the Weisgerbers
8 who will hear the humming in their yard and won't
9 be able to enjoy being outdoors.

10 Again, the negative criteria, it
11 doesn't -- it will impair the intent and the
12 purpose of zone plan, the zoning ordinance and the
13 master plan and I won't cover any of those
14 specifics because that's already been discussed.

15 In the 11 months of testimony by all
16 the witnesses, there were some questions that never
17 got answered. For example, how will AT&T get into
18 service the units, especially as Christina
19 mentioned, they do break. When the equipment
20 malfunctions and it starts making more noise, how
21 quickly would AT&T get access to fix it? At the
22 November meeting when Tony Gaultieri told
23 Ms. Fairweather that the area was locked, she said
24 that somebody needed to make sure that we would
25 have access to the property. That never happened

1 and you all witnessed when you went to the site
2 inspection that we couldn't get in to see the
3 actual site.

4 Then at the April 9th meeting, Ms.
5 Fairweather said that she had called the water
6 company on March 21st after the March 20th meeting
7 when she wanted to have the planner go in to look
8 at possibly moving the equipment away from the
9 Weisgerber's house and she said that she had not
10 heard back from New Jersey American Water Company
11 until that day. It took the water company three
12 weeks to respond and a deal is pending. When that
13 deal is signed, how fast are they going to respond
14 and I can tell you it won't be fast because I live
15 on that street and when over the summer they
16 upgraded the pipes on our street, they left heavy
17 equipment on the roots of some of our trees. I
18 called. I talked to the employees on the street.
19 It never got moved until the job was done and that
20 was months later.

21 They also never answered how they are
22 going to get the batteries for the generators
23 through an unpaved, snow-covered area behind a
24 house. When they are going to need a generator,
25 I'm going to assume it's because weather is not

1 probably the best and I said, it's not paved and if
2 it's snow covered and they are carrying this heavy
3 thing, I don't know how they are going to get it
4 there. They also never answered what they would do
5 about parking when the current homeowners moved and
6 you know, during extreme weather, we're a low
7 priority to get things plowed and I have another
8 exhibit showing, but I guess I don't need to put
9 this in because you've all been on the road and you
10 know it's very narrow. This is a water truck
11 parked out front of the water tank and you barely
12 have room to pass and it's also a blind spot. Do
13 you want it in?

14 MR. SHAW: It's your case. AO-4.

15 - - -

16 (At which time, a photograph was
17 received and marked as O-4 for identification.)

18 - - -

19 MS. MESSING: Again, I just want to
20 thank you all for listening and taking this so
21 seriously. I've lived in that house for 20 years
22 and when I moved to Chatham I considered it an
23 investment and I've always assumed my property
24 value would increase. In 20 years I've made that
25 house my private sanctuary and I never expected

1 that an unwanted commercial entity could get
2 variances that were against the master plan that
3 were written to preserve the community and I
4 respect our local board and I hope you will do the
5 right thing. Thank you very much.

6 MR. WEISGERBER: Brad Weisgerber. 11
7 Huron Drive.

8 MR. SHAW: I can see you have a variety
9 of documents, as well. I'll swear you in right
10 now.

11 MR. WEISGERBER: Sure.

12 - - -

13 B R A D W E I S G E R B E R, after
14 having been first duly sworn, testified as follows:

15 - - -

16 MR. SHAW: Is your wife going to be
17 joining you in testimony?

18 MRS. WEISGERBER: Yes, Katie
19 Weisgerber.

20 - - -

21 K A T I E W E I S G E R B E R, after
22 having been first duly sworn, testified as follows:

23 - - -

24 MR. WEISGERBER: Just a couple
25 photographs that I wanted to submit. I only have

1 one copy. Should I give them to you?

2 MR. SHAW: If they are photographs,
3 you're supposed to show them to counsel first. You
4 also have to tell me where you took them and how
5 you took them.

6 MR. WEISGERBER: These are both
7 photographs taken from our backyard of the water
8 tower to express our view of the water tower.
9 During the winter, you can see the view would not
10 be changed during the other seasons, as well
11 because there are no trees blocking our view.

12 MR. SHAW: Put O-5 on the back.

13 - - -

14 (At which time, photographs were
15 received and marked as O-5 for identification.)

16 - - -

17 MR. SHAW: They are a series of
18 photographs. Just pass them in together. We'll
19 mark them all together. Just mark one of them and
20 we'll mark this together.

21 MR. WEISGERBER: I am just going on
22 record as a resident in the neighborhood. My house
23 as I have stated on record in the past, shares a
24 property line with the water tower and with the
25 small property that AT&T is trying to mount the

1 antennas and put the industrial equipment to power
2 them. Month after month we've listened to the AT&T
3 testimony and every time they come back it seems
4 like the plan became more and more intrusive. One
5 initially was pitched as a plan that we would not
6 see or hear turned into a nine-and-a-half-foot
7 sound barrier with raised height variances that as
8 earlier people who gave testimony said that it will
9 block views and we do have a view of the City's
10 skyline from our backyard and if that fence is
11 raised, it will block our views. That was one of
12 the selling points of the home and it's something
13 that we enjoy.

14 Antennas, we'll be able to see them
15 from inside our house. We'll be able to see them
16 from the yard. We'll be able to see them from the
17 roads in the neighborhood and driving up into the
18 neighborhood from River Road. It's fine for the
19 highway, but it's not fine for a backyard.

20 The constant noise I think is the
21 biggest issue for us because we use our backyard so
22 much. We're always sitting out there. We always
23 have our friends over, our family over. We have a
24 back patio. We have other chairs setup throughout
25 the yard and although AT&T has testified that it's

1 going to be at a legal level, they also admittedly
2 said it's going to be audible from our yard that we
3 use all the time.

4 We've lived in the house for almost two
5 years. We spend a lot of time back there. We do
6 hear crickets. We hear birds. We hear leaves,
7 wind, occasionally a dog. These are all natural
8 noises. These are all things that we bought the
9 property knowing we would hear. Once in a while in
10 the summertime you'll hear a central air
11 conditioning unit, but that goes off. This will be
12 constantly year round and we'll have to listen to
13 it and it's going to alter our use of our property.

14 I also want to say that AT&T experts
15 that have come to testify will never have to deal
16 with this again after the decision is made. On
17 other side, you have the residents who paid to live
18 here that are attending every meeting. You have
19 the realtor who gave testimony, who talked to
20 buyers, sold countless homes. They know the values
21 better than I do. They know what buyers want, what
22 they don't want. You think these opinions would
23 hold more water than the AT&T realtor that came and
24 gave testimony that it would be no impact at all.

25 One month, I don't remember when it

1 was, someone posed the question if you were to buy
2 a house side by side, same exact house and one of
3 them had antennas, one of them had noise and the
4 other one didn't, which would you prefer to buy.
5 If anybody answered that question that it didn't
6 matter, I'd really have a tough time believing that
7 is the truth. That answers your value question.
8 The fact that people don't want to listen to the
9 noise and listen to the antennas show that impacts
10 the value.

11 Throughout the testimony I've asked
12 about existing structure. I don't think I ever
13 really got a good answer there. Seems to me that
14 AT&T seems to be pitching the idea that one water
15 tower, plus cell antennas, one plus one still
16 equals one. I don't think it really changes the
17 fact at all. It doesn't make it an appropriate
18 site. Right now the water tower doesn't produce
19 any noise at all, doesn't produce any radiowaves
20 and there's minimal maintenance.

21 Another point that was brought up, the
22 constant improving technology advances. I read
23 about a few. I know they are constantly working to
24 improve the system. You could tell year after year
25 the cellphone advances that are made every year. I

1 would guess they are making the same advances on
2 these cellphone antennas. I think in some areas
3 they mount small antennas on top of telephone
4 poles, which if there is a small gap in the
5 neighborhood, which I haven't really -- it hasn't
6 been proven to me, it was stated on testimony that
7 people tested the area and it didn't seem like it
8 was a lack of coverage.

9 You can mount things on top of
10 telephone poles. You can patch small areas. There
11 are other alternatives. There's other equipment
12 that's less intrusive and I think AT&T can put this
13 somewhere else.

14 I'm not against cell antennas. I think
15 they serve an important purpose. I see them all
16 the time. I see them on highways, on municipal
17 buildings and I understand that, but this is too
18 close to the homes, too close to the properties.
19 You shouldn't ask the residents to alter the use of
20 their properties. We sit near that fence all the
21 time. The equipment that's going to be installed
22 is four feet from our property line. I'm guessing
23 it's 40 feet from our patio, 50 feet from our house
24 and we're going to hear it and it's going to bother
25 us.

1 So I urge the board to do what's fair
2 and what's right and protect the residents and
3 every time we've called AT&T on a flaw throughout
4 the process, they came up with a solution to that
5 flaw and it was fixed. They've done this process
6 probably thousand times in different towns and it
7 made me feel misled. What else are they hiding?
8 It sounds like they have answers that they don't
9 present and once you call them on it, they find an
10 answer.

11 So I think there are better solutions
12 out there and I urge you guys to vote as if you
13 lived on my property and they were installing this
14 in your backyard. That's all I have to say.

15 MRS. WEISGERBER: Just a couple quick
16 notes to follow up to what my husband just
17 discussed. This discussion is not over, cell
18 towers in general, but of just the responsible
19 deployment of the equipment. The goal is to
20 minimally disrupt the surrounding areas and it's
21 proved this will set a precedent not only in
22 Chatham, but in any residential zone target.

23 If approved, other carriers will be
24 knocking on our door to not only request additional
25 placement on the tower, but on other ideal

1 locations which satisfy their design criteria
2 bringing us back to this table again and again.

3 For all their resistance that this
4 proposal has been met with, we haven't had a single
5 member of the public present a single case in court
6 in favor of the proposal. It is because as
7 Christina proved, an issue does not exist.

8 Just a quick note on some earlier
9 testimony had noted that the leaves that do come up
10 to, I want to say that they are around 95 feet.
11 That's an approximation. I did not measure it.
12 Oak trees have the ability to grow well over 100
13 feet tall and in some cases can be up to 125 to 150
14 tall. The growth rates for oak trees can range
15 from 12 to 48 inches per year depending on a number
16 of variables, environmental, weather, et cetera.
17 The interference caused by their branches and
18 leaves could force this board to reevaluate this
19 proposal for a higher location on this same tower
20 in less than five years if those calculations are
21 correct.

22 My husband and I moved our family, our
23 newborn daughter and our two-year old son to this
24 home in this neighborhood and town just a
25 year-and-a-half ago. If we had any indication that

1 the next year of our lives would be spent stressing
2 over and dedicating our family's hard-earned
3 resources to lawyers and babysitters and experts in
4 an effort to refute a proposal of this nature, we
5 never would have gotten out of the car. We moved
6 to Chatham in whole because it has unmatched
7 reputation as a community and I hope our board will
8 stand with us on this issue. Thank you very much
9 for your time.

10 MS. DUNN: Hello. Ashley Dunn, 73 Van
11 Houton. I'm coming just as a mom, who uprooted my
12 family and moved here to Chatham to raise our kids.
13 I say I -- my baby is crying at home. The reason
14 why I'll be leave is the reason why I have devoted
15 every time to either have my husband and I present
16 at these meetings because we love our kids and no
17 offense, I don't think you could give two craps
18 about our children and the children in our
19 neighborhood.

20 I come from Vermont where cell towers
21 in neighborhoods have been massively talked about
22 and firmly opposed and I sit here because of the
23 potential health risks. Everyone has a cellphone.
24 We hear on the news all the time about the
25 potential radiation every time we put a phone to

1 our head. That is our choice. What is not our
2 choice is having these cell towers brought into a
3 concentrated area where we uprooted our lives to
4 raise our children and all I can say is that I
5 don't want to sit here 20 years from now when the
6 link between radiation and cancer has been
7 confirmed and we're sitting here with the
8 aftermath.

9 So with that, I have to go to a crying
10 baby, but I had to say my peace.

11 MR. MESSING: Jay Messing, 60 Buxton
12 Road. Just speaking as a resident and first, I
13 would like to thank the board for your service to
14 the community. You've devoted a lot of time and
15 attention to this hearing and I would thank you for
16 your contribution.

17 I personally oppose this and I'll give
18 six reasons. I'll be very brief because I think it
19 does repeat some of the other sentiments that have
20 been discussed in this hearing, but I'd like to
21 express them myself.

22 First off, I don't think that AT&T has
23 demonstrated a defined need for this. I find it
24 disingenuous. If you go on their website, it says
25 they have perfect coverage and then they're here

1 saying they need additional antennas and not
2 necessarily in the public good or interest.

3 Second, you've all been on the street.
4 It's a very, very narrow street. I took the
5 photograph that my wife entered into -- as an
6 exhibit and I was in my car. I live at 60 Buxton.
7 I went around the cul-de-sac and came back and
8 there was a water company truck that was parked on
9 the right. It was parked as far to the curb as
10 possible and that required me to then move all the
11 way to the left to come around the curve and I
12 could not see what was coming at me. So a very,
13 very dangerous situation. It's a very narrow road.
14 AT&T's own appraisal expert, who I question as an
15 expert, if they say this won't impact any property
16 values, but did say that increased traffic on a
17 narrow road could indeed impact property values.

18 Number three, I don't know the
19 Weisgerbers well. I just met them through this
20 process, so I don't have an axe to grind, but I
21 believe that they have a right to sit in their
22 backyard anywhere they want in their backyard as
23 far up to their property line as they'd like
24 without any commercial enterprise. It's a
25 residential neighborhood.

1 Also, fourth, I really am concerned
2 about the maintenance at the property. So my wife
3 already said when we went to do the site
4 inspection, the water company was not there to
5 provide access into the area. So I am very
6 concerned that when -- not if, but when, because at
7 some point mechanics, computers, fans do fail, a
8 ball bearing breaks or something, that's likely to
9 lead to quite a bit of noise, more noise than has
10 been testified would be the normal noise and I am
11 concerned that noise will be there for a long time
12 before the water company gives access. I didn't
13 even think about the fact of break-ins and that we
14 are going to have more people on the street and
15 that concerns me, as well, living right across the
16 street.

17 Fifth, I think there are alternate
18 locations. I know down in New Providence, there is
19 a sewer treatment plant and cell tower already. To
20 me, as a non-expert, it seems like that would cover
21 the gap if there is indeed a gap and if this is the
22 place in the township, again, my opinion as a
23 taxpayer is that the township and all of the
24 residents should benefit from that revenue as
25 opposed to a single resident. That is presumably

1 the water company, who is presumably receiving
2 payment to have their antennas placed there. I
3 would rather see the revenue go to the township.

4 And lastly, the fact that -- not the
5 fact, but the issue about property values, I think
6 it's clear to everybody on the board that if
7 everybody were to have a preference of given the
8 choice of two homes, one with cell towers behind it
9 and one without, they would choose the one without.

10 Basic concept of supply and demand when
11 you have less demand, prices are generally lower.
12 This will affect our property values. If this is
13 passed, I will appeal my property taxes because I
14 am confident that it will be a detriment to
15 property values. So I think there is a lot of
16 reasons. I'm sure I didn't enunciate them all, but
17 I am sure there are a lot of reasons I would urge
18 the board to reject this proposal and I, again,
19 thank you for your time.

20 CHAIRMAN: Anybody else?

21 MR. SEN: My name is Saikat Sen. I
22 live at 32 Rolling Hill Drive and presently, I've
23 been living in Chatham for the last 35 years and a
24 user of AT&T. So I would, basically, want to break
25 the monotony here, the one-sided thing that's going

1 on. I think an improvement of AT&T service is
2 warranted. At least I feel that. I drive from
3 Rolling Hill on through 78.

4 The problem with the cell is that you
5 don't have the same problem all the time. It only
6 happens when too many people using it at the same
7 place and in my opinion, technically, you should be
8 forward looking. For example, if you look at the
9 AT&T services which I would like to get, is digital
10 life, which provides a home security solution and
11 one of the reasons that the retail service is not
12 being implemented or widely available is the
13 strength of the capacity of the current regimen.

14 So my recommendation is I agree. I
15 understand the concern and I sympathize with the
16 people. Those issues have to be taken into account
17 and approving the final version of whatever the
18 tower or whatever the state agreed on. But in
19 order -- just don't stop the whole thing because it
20 cannot be worked out and property values, although
21 it's a concern and maybe, agreeable that values
22 will drop, but that may be temporary. That's all I
23 have to say.

24 CHAIRMAN: Thank you.

25 MR. BRENNAN: Good evening, everyone.

1 Jim Brennan, One Macevoy Avenue. I just have a
2 couple comments. I lived at 7-C Heritage Greene
3 for two years. I owned 10-G Heritage Greene for
4 three years. I live at 443 Fairmount Avenue for
5 eight years and I've owned 4 Macevoy for almost
6 three years. I grew up in Summit. My mother still
7 lives in Summit.

8 I spend a good portion of my life on
9 River Road. I have had AT&T Wireless for 18 years.
10 I don't remember ever once trying a make phone call
11 and had a problem. I talk on my phone a lot. I
12 went back and I counted. I've drove on River Road
13 18 times since Saturday, going back and forth in
14 between Summit, back to Jersey City where I work
15 and coming home.

16 In the last two years I've put -- I
17 moved from Fairmount Avenue because I wanted a
18 quieter place to raise my children and my family.
19 I bought our house. I wouldn't say it was in a
20 state of disrepair, but it was a little beat up. I
21 put upwards of \$200,000 into the house in the last
22 couple of years. I intend to put more money into
23 the house. I would have never bought the house or
24 made the investment if I thought that someone could
25 come in and put cellphone towers on the water tower

1 that's back there. I assumed that the master plan
2 and that the ordinances that they are applying
3 variances for are the reason they are there, to
4 keep something like this from happening.

5 I know it will affect the value of my
6 home negatively and it will affect all the comps as
7 it radiates out from the water tower. If Nancy's
8 testimony is accurate and I don't have any reason
9 to believe it's not, you're talking about multiple
10 seven figures, millions of dollars in home values
11 destroyed by the installation of these towers.

12 As far as the noise goes, the patch of
13 woods where the water tower is located, a good
14 portion of that is my backyard and I own it. It is
15 shockingly quiet up there at night and for the most
16 part during the day. There is very, very little
17 ambient noise. Not to be ghoulish, but it's so
18 quiet up there that somebody thought it was a good
19 place to dispose of a body not that long ago
20 because nobody would find it. That's how quiet it
21 is up there. It's very quiet.

22 If the cabinets are up there and that
23 level of equipment are there, it's going to make a
24 lot of noise and it's going to be on 24/7. My
25 bedroom is in the back corner of the house. When

1 the leaves are off the trees, noise does carry
2 along way to the point where I hear owls screeching
3 at night and I hear animals. I hear things walking
4 around in the leaves in the woods behind my house.
5 I spend a lot of time in my yard. My children play
6 back there. My son's bedroom is to the right of
7 mine that's in the back of the house. My
8 daughter's bedroom is forward of my bedroom, but
9 it's on the side of the house that faces the water
10 tower. You will absolutely hear it. I don't want
11 to hear it. I don't want to spend the next 30 or
12 40 years of my life listening to fans.

13 I assumed when I bought the house that
14 I would be protected by the board and I hope that I
15 wasn't wrong. Please vote no. Thank you.

16 MR. YOUNG: John Young, 30 Buxton Road.
17 I speak as a resident with a vested interest for
18 community and my property values and not as an
19 expert witness, although I've had over 40 years of
20 experience as a public finance professional and I
21 think its funded close to a trillion dollars worth
22 of public purpose funds around the country, around
23 the state and the nation.

24 What seems to me is the most important
25 thing is that AT&T has not proved the compelling

1 reason that they have to prove to you that the cell
2 tower is important and essential for public
3 purpose. Quite frankly, what I have seen in the
4 testimony over the weeks that I've been here is two
5 things, that it is an embarrassment and insult,
6 quite frankly. The embarrassment is that they have
7 not provided the kind of talent and what you call
8 expert witnesses to prove their point that it is
9 compelling that we need it.

10 Quite frankly, I find it an insult to
11 the board and the residents of Chatham Township
12 that they believe that what they first showed and
13 then with a number of amendments and everything
14 else is just, quite frankly, corporate greed, what
15 can we get away with and every time that the board
16 or the community had said, this doesn't fit, let's
17 make an amendment to this to make it fit. I find
18 that an insult to my intelligence and to your
19 intelligence, quite frankly and I think what they
20 are disguising, corporate greed as community need,
21 is another insult.

22 As a sidebar, what I also find
23 incredible is that we haven't really talked about
24 New Jersey American Water, who sold those rights
25 without ever consulting anybody in the community

1 for that purpose. I thank you for your time and
2 your consideration.

3 MR. MATTLE: Good evening. My name is
4 Doug Mattle, M-A-T-T-L-E. 332 Fairmount Avenue. I
5 want to thank you guys for your time. I've been in
6 and out of some these meetings over the last year.
7 I know it's been a long, lengthy process for
8 everybody on it and I appreciate that.

9 I live far enough away where this
10 doesn't affect me directly. I can't see them. I
11 probably won't be harmed by any of the potential
12 side effects that may be out there, but I do have
13 small children. I grew up in Chatham in the
14 borough and I bought a house back here again about
15 seven years ago because this was a place I wanted
16 to raise my family and I knew part of the reason
17 why was because you can count on people around here
18 to do the right thing and every once in a while
19 something happens.

20 That just feels wrong and you feel like
21 you need to come and say your peace. I'm here to
22 support the people that live closer to this than I
23 do, just like the people in this room I think are
24 here to support the next generation of people who
25 are going to live in their homes with their

1 children long after this decision is made tonight.

2 I don't have the benefit of the
3 continuity of meetings that some of these people
4 have, so I can't opine on nuances in AT&T's
5 testimony and whether it was fault and bad
6 information given, but I think broad strokes of the
7 brush it seems like they were a large corporation
8 coming in here with an agenda. It's a numbers game
9 for them. They prey on uneducated, uninformed,
10 unexpert people in communities across America and
11 it's a numbers game and if they win 60, 70, 75, 80
12 percent of the time, they get their job done. I
13 think what they found here, Chatham was a group of
14 people that weren't willing to rollover, people who
15 were willing to band together with nothing more
16 than common sense expertise and not a legal
17 background. I think they presented a very coherent
18 case and I would hope that you guys will consider,
19 you know, the fact that we're not experts. We're
20 here speaking of people and residents of the town.
21 We moved to this place and have chosen here to
22 raise our families because we feel like people like
23 you -- I don't know what the legal -- whether the
24 board has a legal right to defend our position, but
25 I think what you'll find is people are speaking

1 from the heart and I think we found some gross
2 inconsistencies in the case AT&T has presented.

3 You can go back to the laws of gravity
4 and the aqueducts with the Romans to figure out why
5 the water tower has to sit on the highest part of
6 town and this feels to me like a low tech, you
7 know, preexisting structure that was there for
8 obvious reasons because of gravity to use it for
9 something that was very high tech and will have a
10 very negative side effects. I implore you to find
11 alternative solutions and I ask you guys to
12 consider when you make your decision. I thank you
13 very much for your time.

14 MR. VAN SLYCK: My name is John Van
15 Slyck. I live at 67 Huron Drive and I come here as
16 a homeowner and as a father. Two-and-a-half years
17 ago my wife and I moved to Chatham and I actually
18 purchased our home from the Nancy Cook. She was
19 the selling agent and when she showed us the home,
20 she spoke of the Highlands neighborhood. She spoke
21 of a neighborhood, a sense of community that looks
22 out, not only for each other, but others.

23 There is a women's club that raises
24 money for local hospitals and actually bakes
25 cookies for the nursing staff. Happy Fridays is an

1 institution in the neighborhood where each Friday
2 during the summer we visit a home and have a pizza
3 party. Last Friday, over 100 people attended this
4 event. My two daughters, two and four, look
5 forward to this all week. Block parties with the
6 local fire department is also an institution, as
7 well. All of these now will potentially fall under
8 the shadow of a cell tower, which should never be
9 in a residential neighborhood. The sense of
10 community, safety, great neighbors in a town who
11 will look out for each other and of course,
12 homeownership, the American dream as an investment.
13 Those are the reasons why we chose that house in
14 this neighborhood and the installation of a cell
15 tower is a direct contradiction to those reasons.
16 Please do not allow this installation to occur.
17 Thank you.

18 MS. PETERSEN: Christina Peterson. Do
19 I need to be sworn in again?

20 MR. SHAW: No.

21 MS. PETERSEN: There are 67 signatures
22 on this petition and I would like to read a couple
23 of the streets because they are not all from Huron,
24 Buxton and Kincaid. There is Jeffrey Court,
25 Weston, Lackawanna, Washington, Maple, Center,

1 Hedges, Glenmere, Shunpike, Essex, et cetera. So
2 this is a concern of not just the Highlands
3 neighborhood, but Chatham as a whole.

4 The tax revenue is shared by our
5 community. Nancy isn't the only one who comes up
6 with the 20 percent decrease in property values.
7 The Appraisal Institute, the largest global
8 professional membership organization for appraisers
9 with 91 chapters throughout the world, highlighted
10 the issue of cell towers and the fair market value
11 of a home and educated its members that the cells
12 towers should, in fact, cause a decrease in home
13 value. Dr. Sandy Bond in the Appraisal Journal
14 stated, the percentage decrease had mentioned in
15 the study raises two to 20 percent with the
16 property moving toward the higher range closer to
17 the property.

18 I got on Google Maps. There are 66
19 homes within 300 yards of this antenna. If you
20 assume a million dollars with the 20 percent
21 decrease in value could be up to \$200,000 tax
22 revenue lost and up to 13.2 million in lost equity.
23 That's probably a low value for homes in that area.
24 Many of them are selling for much more than that.
25 But that goes to support our schools, our services,

1 the township as a whole. So the tax revenue and
2 the property values, this represents substantial
3 harm to our community in terms of revenue available
4 to support all the services that we count on here
5 in Chatham Township.

6 I would also like to submit into
7 evidence this Bio Initiative 2012 because it does
8 directly mention the expert witness, Dr. Peterson.
9 This report was prepared by 29 authors from 10
10 countries, 10 holding medical degrees, 21 Ph.Ds, 3
11 masters of science or master of arts. Among the
12 authors are three former presidents of bioelectric
13 society, five full members, a former member of the
14 Russian National Committee on non-ionizing
15 radiation. This was written in 2012. There are
16 some summaries, but it says the exposure level for
17 increased risks are quite low, just above
18 background or ambient levels and the existing limit
19 is -- I'm not going to read it all to you. Just,
20 basically, saying that there is little doubt that
21 exposure to ELF causes childhood leukemia.

22 The reason I mention this, I know we're
23 not allowed by law to consider the health effects
24 alone. But the perception of health effects cannot
25 be denied and perception affects buyers. Buyers

1 affect property values. Property values affect
2 taxes. Taxes affect us. So I'd like to --

3 MR. SHAW: I'm not sure you can enter
4 that as a document. First of all, I'd like to take
5 a look at it.

6 CHAIRMAN: Let's take a break.

7 - - -

8 (At which time a short recess was
9 taken.)

10 - - -

11 MR. SHAW: We did have a review with
12 Dr. Eisenstein. There are two reasons why the
13 board can't consider it. Number one, it's not a
14 peer review accepted document that would otherwise
15 be ordinarily evidential and could just be entered.
16 You could perhaps have brought an expert who could
17 have testified about it, but the other problem that
18 we have is pursuant to the Telecommunications Act,
19 this board is precluded from considering argument
20 that there are health issues associated with it.
21 If your FCC-regulated and approved equipment, this
22 board is precluded from even considering any
23 testimony that you might have to say that it's
24 dangerous.

25 MS. PETERSEN: That I understand.

1 MR. SHAW: But the document, itself, is
2 not really admissible as a document.

3 MS. PETERSEN: Okay. I show it merely
4 to say that there is ample evidence of the
5 perception of health issues that are out there that
6 can't be disputed and perception influences
7 behavior and property values. I wasn't trying to
8 argue it definitely causes cancer. There are a
9 number of people out there with some intelligence
10 that could influence public perception.

11 MR. SHAW: Thank you.

12 MS. PETERSEN: Thank you.

13 MS. LEVINE: Hi. I'm Annie Levine. I
14 live on 32 Huron Drive and I just wanted to say
15 that I'm concerned about the radiation and I'm
16 concerned about how it would affect myself, my
17 parents and my friends that live on the main road
18 and I'm also concerned about young children and how
19 they'll take the radiation and I mean, animals,
20 too. They are smaller and they are not as big as
21 us, so please vote no. Thank you.

22 CHAIRMAN: No one else?

23 MR. GREEVES: My name is Ray Greeves,
24 59 Buxton Road. I'm completely unprepared and I
25 don't even know if it's day or night, I traveled so

1 much these past couple of weeks. Everybody has
2 said a lot of things already. So it's nothing much
3 new. There's only one thing that I have not heard
4 and it really has not come up. You know, I go to
5 Summit. I go to New Providence and I see the water
6 tower from Summit. I see it from New Providence.
7 You can probably see it from Berkeley Heights, as
8 well. I'm not sure and I wondered is that what we
9 want people to see from Chatham? You know, when
10 you're in Summit, when you're in New Providence and
11 you look over there and you know Chatham is there
12 and there is a water tower with these antennas on
13 there, is that -- I'm asking you to ask yourself is
14 that what you want people to see of Chatham? I
15 think that's a fair question and I think the answer
16 is no. So I'm asking you to vote no. Thank you.

17 MS. RESNICK: Hi. My name is Alyssa
18 Resnick. I'm 2 Macevoy Avenue in Chatham Township.
19 I am a mom, who bought my house when I had my
20 second daughter. My husband and I walked away from
21 15 houses in Chatham, too close to a double line,
22 too close to a power line. No, no. We need the
23 perfect house for our kids. We're leaving the
24 city. We want our kids to be here for as long as
25 they want to be here until they go to college.

1 Never, ever, ever would we have said,
2 sure, this is our home, if we said look diagonally
3 across the street, there is a huge water tower with
4 cellphone antennas on it. Never, ever. It totally
5 changes my perception of the house value and I'm
6 sure that it would translate to paper. Please,
7 please vote no. Thank you.

8 CHAIRMAN: There is no more public
9 comment. We are going to move forward. The next
10 step would be?

11 MR. SHAW: Any closing comment from
12 counsel and then the board will close to the public
13 and we will then discuss in front of you amongst
14 ourselves how we wish to address it.

15 MS. FAIRWEATHER: This application has
16 been going on for a very long time, 10 months and
17 all of it is debating whether or not we could put
18 with 12 antennas in 101 feet on 105-foot water tank
19 and the equipment in existing compound and you've
20 heard for eight hearings all of the testimony. I'm
21 not going to review it all. I'm just going to give
22 a bit of a highlight.

23 We believe that our application is
24 under the Middle Class Tax Relief and Job Creation
25 Act of 2012 and specifically Section 6409. This

1 application is a collocation. Whether it's four
2 cabinets or a shelter, we are proposing the four
3 cabinets. The Section 6409 cannot possibly include
4 as a cabinet the electrical hookup with the
5 electric company and a hookup from the telephone
6 company. That's not part of it. A cabinet is a
7 cabinet for equipment for a telecom company. It's
8 an existing structure. We're within the compound.
9 The nine-and-a-half-foot fence, if it was a shelter
10 it would be 10 feet. It is not a substantial
11 change.

12 This application should have been
13 approved under 6409 administratively, but because
14 we are in an R-3 zone, your ordinance requires us
15 to have a use variance. We also require a height
16 variance. We've been talking about all of the
17 variances we need. The tower had already been
18 approved at a height which exceeds ours, but our
19 101 feet is above the 35 feet permissible from
20 homes.

21 The front yard setback is supposed to
22 be 58 feet. Existing is 25 feet. Our proposed
23 antennas are 24 feet and the equipment pushed to
24 the back is to the 75 feet. The side yard setback
25 required 15 feet because of the cement pad it's 5

1 feet. The rear yard setback is the same being 25
2 feet. The antennas are at 24, but the pad is at 5
3 feet. We also need a setback because towers are
4 not allowed in residential zones and there has to
5 be a setback between residential zones and since we
6 are in a residential zone, we don't have a setback.

7 The witnesses that AT&T provided, first
8 was the radiofrequency engineer. He testified that
9 he looked at 10 other sites, that none of them
10 filled the gap as well as this site. The courts
11 have found that in residential zones, they prefer
12 you go on existing structure. I'll refer you to
13 the Sprint Spectrum versus Zoning Board of Leonia.
14 The court also found that boards do not have a
15 carte blanche power to reject an application due to
16 possible other sites. The 10 other sites that were
17 looked, but don't fill the gap as well, all also
18 require use variances.

19 Next, we have the civil engineer. He
20 explained the initial plans and yes, for every
21 concern brought by the board and the public we
22 changed the plans to modify to make it the best
23 plans regarding the various concerns that people
24 had.

25 And then we had the noise expert

1 because there were concerns about noise. Our noise
2 experts took two different readings, two different
3 studies. He worked with the noise expert by the
4 board. Both noise experts agreed that this site
5 complies with NJDEP and that the neighbors next
6 door in their bedroom with their window open cannot
7 hear any noise.

8 We had an appraiser and I understand
9 that many people did not agree with his testimony.
10 But again, I will reference New Jersey caselaw,
11 which is Smart RMS versus the Borough of Fair Lawn.
12 The court found that an opinion from objectors or
13 realtors cannot be give the weight or value of an
14 appraisal. So his testimony went unrefuted.

15 We had an FCC transmission health
16 expert. It was a lot of discussion and as Mr. Shaw
17 just said, the board can't consider it because we
18 comply with both the FCC and New Jersey.

19 We had a planner, who came back again
20 tonight. He believes that we comply with 6409, but
21 then again, he went and used the Municipal Land Use
22 Law in New Jersey and caselaw and talked about the
23 use variance and the standards that we needed to
24 meet and in his opinion we met them all.

25 We also brought on a traffic expert for

1 a site that's going to be visited once every four
2 to six weeks. The traffic expert found that
3 parking on the street would be fine. However, that
4 was a concern. So we got permission from the
5 property owner next door, so we wouldn't have to
6 park on the street. The board hired the two
7 experts. Our experts worked with them and both
8 agreed. The traffic expert -- I'm sorry. The
9 noise expert and the radiofrequency expert said
10 that there is a gap there. Even though people say
11 they can use their cellphones, even though they
12 said they can make calls, there is a gap and AT&T
13 needs to fill the gap.

14 The application has occurred over a
15 long period of time and we understand how hard it
16 is for the board to do what legally they need to do
17 and to stand up to objectors. Pursuant to AT&T's
18 license, we have to provide coverage to our
19 customers. To say that antennas shouldn't be in
20 residential zones is archaic.

21 Wireless communication is the way of
22 communication of this country, of the world.
23 Technology has advanced and I'll refer you again to
24 New Jersey Supreme Court cases that say that if
25 there is a gap in service, a wireless carrier has a

1 right to cover that gap. There are over 325
2 million wireless subscribers in the United States.
3 70 percent of those say that they use 911 calls,
4 have used them, placed them for emergencies.
5 Approximately, 74 percent of Americans who own
6 mobile phones say they have used their handheld
7 devices during emergencies and gained information
8 that was needed. One out of every three homes no
9 longer have land lines. They require only wireless
10 and function only with wireless.

11 President Obama said last year that
12 within the next five years we will make it possible
13 to deploy the next generation of high-speed
14 wireless coverage for 98 percent of all Americans.
15 He stated that this isn't just about faster
16 internet and fewer dropped calls. It's about
17 connecting every part of America to the digital
18 age. It's about a rural community in Iowa or
19 Alabama or farmers and small business owners need
20 to be able to sell their products all over the
21 world. It's about a firefighter who can download
22 the design of a burning building onto his handheld
23 device or student who can take classes with a
24 digital textbook. It's also about a patient who
25 could have a face-to-face video with his or her

1 doctor.

2 You have a really hard decision here to
3 make. AT&T, under its license and under the law
4 need to be able to place its antennas on that water
5 tower. You have objectors, residents, people who
6 you know are against it and we know it's very hard
7 and we just ask that you make the right decision
8 and grant our application. That's it.

9 MR. SHAW: What I would suggest that we
10 do is, there are a couple of points that I would
11 like to make from a legal overview as to some of
12 the proof issues that we have to review and then
13 perhaps you might want to have some -- refresh your
14 comments from your other experts here as to the
15 issues and then open the overall discussion up
16 among yourselves for comment.

17 I wanted to indicate first that there
18 is going to have to be a finding made by the board
19 as to whether or not you believe this is a
20 substantial change, which would exempt you from the
21 provision of the interpretation by the FCC that
22 would allow the board to go forward and review the
23 use variance aspects. I believe based upon your
24 planner's testimony that you have a factual basis
25 to be able to make that decision.

1 Then you turn to some of the thornier
2 questions, which have arisen and it's confusing as
3 to what a gap in coverage or significant gap in
4 coverage is or means and the problem is, that you
5 have one whole group of caselaw, which deals with
6 the Telecommunications Act and violations of the
7 Telecommunications Act and what a significant gap
8 of coverage means in that context and then you have
9 what a significant gap in coverage means in the
10 context of a use variance application and what I
11 would say is that the caselaw in New Jersey is very
12 clear that when the board reviews this, your focus
13 is supposed to first be on all of the land use
14 issues and the proof issues, which are required to
15 grant a use variance.

16 In that context, there is a thing that
17 an applicant needs to demonstrate, which they are
18 trying to demonstrate that this particular property
19 is particularly suitable for the purposes that are
20 served and that particularly suitable standard
21 relates to is there a gap in coverage, which needs
22 to be resolved and you would then have had EMF
23 testimony and review by your own expert as to
24 whether or not there is or is not a gap in
25 coverage, such as to make this water tower site

1 uniquely suitable and appropriate for a use
2 variance.

3 So there is another point, which is
4 also important because we've had extensive
5 testimony from the public in terms of concern over
6 impact on property values. AT&T did present a real
7 estate appraisal and there is caselaw from New
8 Jersey Supreme Court, which basically indicates
9 that in that case they overturned a decision by a
10 Board of Adjustment, which had relied on a
11 realtor's testimony when there had been a licensed
12 appraiser's testimony that had been present. That
13 case, though, doesn't say you can't weigh the
14 realtor's testimony or the other issues, but you do
15 have to consider the fact that it is not the same
16 as an appraiser. Now you certainly can review that
17 appraiser's testimony and you can certainly raise
18 your own questions as to the credibility of that as
19 you view it and to the that extent, issues
20 concerning property values which may be made by
21 property owners or by a licensed realtor or
22 perhaps, also colored by your own perceptions you
23 can take into account.

24 But you do have to realize just on the
25 scale of the order of proofs, they brought in a

1 licensed real estate appraiser and the Supreme
2 Court says in terms of the level of proofs that are
3 involved, that's a much higher level of proof being
4 presented to you than a realtor or a people's lay
5 opinion or your own opinion of value. But then,
6 you still have the right to mull that all into how
7 you think about it. You still you have to realize
8 if you want to discredit the appraiser's opinion,
9 that is something you would need to -- you don't
10 have something on the side, you can take issues in
11 consideration and in evaluating that testimony for
12 yourselves. These are very difficult cases. We
13 have had cell tower cases before and I think people
14 are just generally familiar in terms of what some
15 of the proof levels are.

16 Perhaps, it might be appropriate to get
17 a comment or two by Bob Michaels from the planning
18 standpoint as to the level of proofs and the type
19 of review the board should be supplied. Bob?

20 MR. MICHAELS: I laid a lot of that
21 out. Let me refer back to my letter of December.
22 I spoke both of the positive and negative criteria
23 and what I had said is that the applicant had to
24 establish special reasons in support of the D
25 variance request and by doing that, they have to

1 show or have to have shown that the proposed use
2 advances the general welfare because the site is
3 particularly suited for the proposed use as Steve
4 said.

5 Now in caselaw it says, while cellular
6 communications has been shown to promote the
7 general welfare, the applicant has to show this
8 site is particularly suited and by doing that, they
9 had to demonstrate that there was a gap in coverage
10 and that this location satisfies that gap. So
11 that's part of the special reasons that the
12 applicant would have to have demonstrated.

13 And again, as part of that as showing
14 that this is a unique site is showing that there
15 are some attributes of the site by it's location,
16 topography or the structure located on it and they
17 also had to examine or should have examined and I
18 believe they did mention that other sites were
19 looked at and were examined to determine whether
20 they could satisfy this gap, perhaps with fewer
21 impacts than this site may have generated.

22 As with all variance requests, the
23 applicant has to demonstrate that the negative
24 criteria is met and that the variance can be
25 granted without a substantial detriment to the

1 public good and without substantially impairing the
2 intent and purposes of the zone plan and zoning
3 ordinance.

4 You've heard a lot of testimony that
5 the issues deal with the public good could be
6 perception of property value diminution or
7 potential noise impacts. You have to weigh as to
8 whether you think that what was provided is a
9 substantial detriment to the public good. All
10 variance requests have some detriment, but the key
11 language in the land use law is substantial.

12 As far as the zone plan and zoning
13 ordinance, again, you look at some of the
14 statements in the master plan and in the zoning
15 ordinance and the fact that this property is in the
16 R-3 zone, but again, that's the nature of the use
17 variance when they seek relief in the ordinance.

18 There are also is what's known as a
19 balancing test and I believe their planner may have
20 addressed that. I don't recall specifically and
21 it's from an inherently beneficial use case, Sica
22 versus Township of the Board of Adjustment of Wall
23 Township in which the courts have adopted in cases
24 like this, a four-prong test to determine whether
25 unbalanced the negative criteria is met and the

1 four issues and the four-prong test is the board
2 has to identify the public interest that is at
3 stake and the court pointed out among various uses,
4 some among inherently beneficial uses, the courts
5 have not determined that cell towers are inherently
6 beneficial use, but some uses are more compelling
7 than others and then the board has to identify the
8 detrimental affect that we would see from granting
9 the variance relieve and the board has to determine
10 whether or not if there is anything can be done to
11 mitigate some of those detrimental impacts by
12 imposing reasonable conditions on the use and if
13 so, they weigh according to the adverse affect
14 could be reduced by those measures that could be
15 taken.

16 Finally, the court thought that the
17 board should weigh both the positives and
18 negatives, that is the public interest against the
19 public detriment and determine whether unbalanced
20 on the granting of the variance would cause a
21 substantial detriment to the public good and the
22 board uses this in determining whether the negative
23 criteria is met.

24 I think those are the issues that the
25 board has to weigh as far as examining the D

1 variance that is being sought here. I don't know
2 if you need anything.

3 MR. SHAW: I guess the final is, maybe,
4 Dr. Eisenstein could briefly address just the
5 general gap in coverage in testimony and recap what
6 was presented.

7 DR. EISENSTEIN: There is a gap in
8 coverage and the gap essentially runs to the
9 southeast of the proposed site. One of the things
10 that's a little bit odd, but not surprising to me
11 because I've seen it in many other cases, is the
12 proposed site is within an existing coverage area,
13 which is why so many people are testifying that
14 they have coverage in the area and the gap does
15 extend to the southeast, however and the water
16 tower is in the -- presently in the coverage area.

17 The gap was established based on the
18 propagation clause, which are design criteria and
19 the parameters that were used are standard
20 throughout the State of New Jersey. There is
21 nothing odd about them. They are existing
22 propagation models. They are used by all the
23 providers. They are used in every municipality and
24 every town that I've been in. So there is nothing
25 strange or obscure about the models that are used.

1 The proposed site to a large extent
2 covers the gap. It does not cover it fully and
3 other sites will be required, I think there was
4 testimony to that extent and when they put the
5 propagation together with the proposed site in
6 place, you get certainly a large amelioration of
7 the gap area. So that is the gap issue.

8 The second issue, which I'll look at is
9 compliance. The applicants presented a report that
10 indicates that they are in compliance with FCC
11 regulations and then automatically they are in
12 compliance with New Jersey state regulations, which
13 are five times less stringent. So by a very wide
14 margin all the radiofrequency emissions are well
15 under, substantially under the FCC guidelines for
16 this.

17 In addition, there was testimony that
18 they are using all FCC-approved equipment and in
19 some sense, that testimony by itself is sufficient
20 to preclude any further questioning about the
21 radiofrequency emissions or radiation because the
22 FCC has tested all these pieces of equipment and
23 found that they are in compliance with their
24 regulations. So on the two issues that concern
25 radiofrequency, there is a gap. There is a

1 proposed site to a large extent covers the gap. It
2 ameliorates the gap and they are in compliance with
3 all the FCC regulations.

4 MR. POLISE: We keep saying gap, but
5 it's just a number that we've applied to a reading
6 that they are not meeting if we supplied
7 substantial and beneficial use in the neighborhood
8 and they all have coverage complying with this gap
9 doesn't do anything for the neighborhood. It just
10 brings their numbers up, so to speak. So what are
11 we really gaining by putting this on the water
12 tower.

13 DR. EISENSTEIN: You're raising an
14 interesting question, which is one of the things
15 that differentiates wireless communications from
16 other kinds of utilities that we work with. For
17 example, when you put in a power line or a sewer
18 line, when you put in a waterline, those are
19 benefitting the people that are immediately in the
20 area that are there.

21 But the whole nature of a national
22 wireless system is it benefits everyone in the
23 country, not just the people that are there. So
24 for everyone in this room when you get on an
25 airplane and you fly to some city, you get off the

1 airplane. You turn on your telephone, you expect
2 to have coverage over there, which means that some
3 neighborhood very much like Chatham had to have an
4 antenna put in that neighborhood so that you could
5 have coverage even though it may or may not benefit
6 the people in that neighborhood.

7 So this is true of Chatham and someone,
8 for example, like me comes up from Philadelphia, I
9 turn on my cellphone, I expect to have coverage up
10 here. That's what a national wireless plan does
11 and that's what's different about wireless
12 communications compared to other utilities that
13 you're used to looking at. So I run into this all
14 the time. I mean, I'd say that -- actually, not so
15 much even in residential areas, which I've seen a
16 love of applications there, but a large fraction of
17 the applications are right on the border of a
18 township and I get exactly that same question. The
19 bulk of the coverage goes to some other township.
20 Why should we allow it in our township? The answer
21 is the same. It's not for the residents there.
22 It's part of a national wireless with plan and
23 that's why the 1996 Telecommunications Act was
24 passed. It was Congress and the president's view
25 that we had to have a national plan for wireless

1 coverage. If any one community could say, no, we
2 don't want antennas in our community or we don't
3 want antennas in our area, that means people
4 passing through that area won't have coverage.
5 You'll never have what the law calls for, which is
6 a seamless and ubiquitous wireless network.

7 MR. POLISE: That wasn't my question.
8 We have a tower and they want to put an antenna on
9 the tower that covers a certain zone, if we are
10 right on the edge of whatever that number for gap
11 is and everybody has got coverage within the range
12 of this tower, what is putting it their going to do
13 if everyone has it anyway?

14 DR. EISENSTEIN: I didn't say the
15 range. I said the immediate vicinity of the tower.
16 If you go just a few hundred yards, the coverage
17 drops off abruptly because of you have a ridge line
18 there.

19 What's happening, because they're up on
20 the high ground where the tower it, they're getting
21 coverage from the surrounding sites. So in the
22 immediate vicinity of the tower you have both.
23 When you go off the tower to the southeast, there
24 is a gap and what this proposed site does is, it
25 fills that gap.

1 MR. POLISE: Nobody is complaining that
2 they don't have coverage is my point.

3 MR. SHAW: I think there was testimony
4 earlier that cellphone coverage is generally at the
5 800 megahertz standard and that there was not that
6 same gap of coverage at that level, but that there
7 may be gaps at different levels that are not
8 necessarily what the cellphones.

9 DR. EISENSTEIN: Well, if it's
10 different frequencies, but AT&T has a license for
11 each of their frequencies and they have to provide
12 coverage for each of their frequencies because what
13 they do is, they have to offload their calls. So
14 if the 800 megahertz band is saturated and the next
15 user that comes on has to be offloaded to the 1900.

16 They are also probably doing what is
17 called AWS, which is 1700 and 2100 and then all the
18 carriers are getting into what's coming to be
19 called LTE or long-term evolution, the 4G systems,
20 which you're going to be down 700, which has a lot
21 better propagation coverage, but less band width,
22 which handles data.

23 Again, I'm seeing this in every
24 municipality I go into, exactly these questions.
25 It's not just a voice call anymore. It's internet

1 access. It's e-mails and some of these things are
2 important. Some of them are frivolous, but it's
3 not the company's job to determine whether or not
4 the uses are frivolous or whether they are
5 important. Their job under the law is to provide
6 coverage for each of the bands that they are
7 licensed for. They can't say we're only going to
8 provide coverage for just one band. It's not
9 permissible. Also, it would not serve the public.
10 It would not serve their customers.

11 MR. POLISE: We never got a definition
12 of what the numbers are in the gap area. So we
13 don't know how slow they are.

14 DR. EISENSTEIN: I'll tell you what it
15 is. The design criterion in this part of New
16 Jersey is negative 85 dBm. That's a power level of
17 about five billions of a milliwatt at the border of
18 the range. The cellphones would work well in those
19 areas, not excellent. They'll work well in that
20 range of coverage and that means that there is a
21 little bit of margin, so in adverse conditions,
22 like snow or rain or storms, they will still
23 function to a large extent.

24 So we use negative 85 dBm. That's what
25 these propagations plots were presented at. When

1 you're below neg 85, will the phones work? Yes.
2 Is that a design criteria? No, it's not a design
3 criteria, no more than any engineer would design a
4 building or a bridge to handle exactly the load
5 that you expect to have on it. You always put in a
6 factor of safety. The negative 85 is a work at a
7 lower power level, but that's not what you design
8 for. You design so that under adverse conditions
9 that it will still work.

10 MR. POLISE: I understand that, but we
11 were never told what the number was. It's just
12 under 85. Is it 80? Is it 82?

13 DR. EISENSTEIN: If you get very close
14 to the area it's going to be negative 85.5,
15 negative 86, negative 87, it's going to keep
16 dropping down and as you get to the middle of the
17 area, it will be inadequate.

18 MR. POLISE: Adequate or inadequate.

19 DR. EISENSTEIN: It will be below the
20 level.

21 MR. POLISE: We don't know that it's
22 inadequate. I'm just trying to figure out -- we're
23 going to make a vote here based on a substantial
24 increase in the community's use of the cell tower
25 and I can't see any substantial increase if we

1 haven't gotten one complaint and all we're being
2 told is this gap here and we don't have a
3 quantifiable number on what the deficiency is in
4 that gap.

5 DR. EISENSTEIN: I don't know what else
6 to tell you. I've given you the numbers.

7 MR. POLISE: We don't have any numbers.

8 DR. EISENSTEIN: Below neg 85.

9 MR. POLISE: We don't know what the
10 numbers are.

11 DR. EISENSTEIN: Less than neg 85,
12 which is below the design criteria.

13 MS. ROMANO: But a cellphone will still
14 work at less than 85?

15 DR. EISENSTEIN: Well, they'll work
16 under the best of conditions, yeah. They may not
17 work in a storm. They may not work in other
18 situations. They may not work if there is heavy
19 traffic on the line. So you know, just in exactly
20 the same way as if you were designing a bridge, you
21 would not design a bridge for exactly the load that
22 you thought was going to be on it because there may
23 come a time where a heavier truck or a series of
24 heavy trucks goes over the bridge and it will
25 collapse. Every engineer understands that when you

1 design something, you design it for more than you
2 expect it to carry because that's the factor of
3 safety.

4 If you want to know if the exact
5 number, these phones under their standards for the
6 phones for GSM phone are designed to work down to
7 negative 104 dBm. That's the design of the phones.
8 It will not work below that. The phone will be
9 out. If you put on a factor of safety of about 20
10 dBm, which is considered reasonable, you get the
11 neg 85 or neg 84. That's very close. That's where
12 you design for. That gives you the margin, so that
13 when things are bad, you'll still be within the
14 range where the phones will operate. When they're
15 good, they will be a lot better than that.

16 That's the way engineering design is
17 done. Nothing odd about this. Every engineering
18 project is designed the same way. It doesn't
19 matter if you're designing a power system, a
20 highway, a bridge, a road, building. Every
21 engineer understands that you calculate what you
22 need and then you put in a factor of safety.

23 MR. MICHAELS: Can I ask a question of
24 the doctor?

25 CHAIRMAN: Sure.

1 MR. MICHAELS: Is there a difference
2 with that standard as to when you're considering
3 whether or not there is reception in a building and
4 outside of a building.

5 DR. EISENSTEIN: So all these plots --
6 the answer is yes. Whatever power you're seeing
7 over here, like if it's neg 85 on the street, it's
8 going to be neg 95 or neg 100 inside a building
9 because you'll lose about anywhere from 5 to 10 dB
10 going through the walls of a building. So whatever
11 numbers I'm giving you here would be much less in a
12 building.

13 MR. MICHAELS: They design for that neg
14 85 with the knowledge that some of the users will
15 be within buildings and that's part of that factor
16 of safety?

17 DR. EISENSTEIN: That also gives them
18 that factor of safety in there for some of the
19 people in buildings. Now if you're in a zone with
20 neg 85, could you use your phone in the basement of
21 your house, probably not. Probably not. You may
22 have to go to a second floor window to get enough
23 coverage.

24 MR. POLISE: I guess we have to
25 consider the first question whether or not -- do we

1 have to vote on that?

2 MR. SHAW: You can. I wouldn't say you
3 have to vote on it separately. You can have a
4 straw-pole discussion of it and if you feel that's
5 effective, you continue on to the other issues.

6 MS. KENNY: Are we planning on -- I'm
7 looking forward to having a lengthy discussion
8 among the board members of this and given the time,
9 are we staying until 12?

10 CHAIRMAN: No, we're not staying until
11 12. If we can get some sort of closure on this,
12 it's a possibility for 15 minutes, but I don't
13 think it's --

14 MS. KENNY: I just feel --

15 CHAIRMAN: I don't want to invest in 10
16 months and then rush in 5 minutes.

17 MS. KENNY: That's what I'm saying. I
18 mean, we've listened to so much testimony and I
19 think we at least owe it to the public and the
20 applicant to have a fair discussion on the pros and
21 cons, the positive criteria and the negative
22 criteria and to me, it feels rushed starting that
23 discussion at this time. If everyone wants to
24 stay, I'm happy to stay, but I want to give it it's
25 full-due conversation.

1 CHAIRMAN: I think that we should take
2 advantage of whatever experts we have here, ask
3 whatever questions that will help our decisions
4 while they're here and possibly after the next
5 special meeting, we can have a group discussion and
6 then I would like to do the vote the following
7 month.

8 MR. SHAW: We would have -- we probably
9 would have to have the discussion at the next
10 regular meeting.

11 MR. NELSON: Regular meeting.

12 MR. SHAW: I think you have to carry
13 this to the next regular meeting and have it as the
14 first item of business and everything else will
15 just have to -- if you can get a couple little
16 things in, block out two hours at the next meeting
17 to make sure this thing gets resolved, you'll have
18 enough time to discuss it and weigh any issues.

19 CHAIRMAN: Any discussion has to be on
20 the record, right?

21 MR. SHAW: Right.

22 MS. KENNY: Bob, just looking at your
23 report from December 10th, I did have a question on
24 the balancing -- Sica balancing test. The public
25 interest that's at stake is the wireless

1 communication?

2 MR. MICHAELS: I think in this
3 instance, yeah, the public is at stake of having
4 seamless wireless access.

5 MS. KENNY: You can still find that
6 there is a gap, but I mean, you can still have
7 positive -- you know, the applicant can meet the
8 positive criteria, but you still can weigh the
9 negative and that doesn't cancel out the fact that
10 there is possibly a significant gap or that issue?

11 MR. MICHAELS: That's correct. I would
12 agree with that because the gap is one of the
13 findings for the positive criteria to determine,
14 you know, whether they've met the special reasons
15 where the balancing test of the Sica criteria is
16 part of the examination of the negative criteria.
17 So both have to be satisfied in order for the board
18 to grant the variances.

19 MS. KENNY: Okay. I don't think I have
20 any other questions.

21 CHAIRMAN: I don't really have
22 questions. I have a couple statements, but I don't
23 want to start statements right now.

24 MR. SHAW: I think at this point if you
25 don't really have any questions of the

1 professionals on this, I think at this point --
2 you're at the point of looking to continue this
3 matter and with the consent of the applicant to
4 have the matter carried to the next meeting, which
5 is October 16th.

6 MS. FAIRWEATHER: Certainly.

7 MR. SHAW: For those members of the
8 public who are still here, this matter is going to
9 be adjourned and carried to the meeting of October
10 16th. We have a couple minor of applications,
11 which we'll probably still try to keep moving
12 through. We'll try to leave more than sufficient
13 time that evening for the board to have a
14 discussion and render a decision.

15 DR. EISENSTEIN: Mr. Chairman, I assume
16 I don't have to be at the next meeting?

17 CHAIRMAN: No, sir.

18 DR. EISENSTEIN: Thank you.

19 MR. SHAW: The other application will
20 be done first. The other ones are going to be --
21 they tend to be pretty quick. I would think we'll
22 probably do them first, like the one, if you were
23 here earlier this evening, probably a fairly
24 straightforward presentation. I doubt it will take
25 more than half an hour and maybe, a resolution. I

1 would think that we would -- by 8:30, we should
2 really be focusing on this and have two-and-a-half,
3 if necessary, 3 hours, wrestle with this and bring
4 it to bed.

5 - - -

6 (At which time the hearing concluded at
7 11:05 p.m.)

8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

C E R T I F I C A T E

I, LATITISA RUSSELL, a Certified Court Reporter and Notary Public of the State of New Jersey, certify that the foregoing is a true and accurate transcript of the stenographic notes of the deposition of said witness who was first duly sworn by me, on the date and place hereinbefore set forth.

I FURTHER CERTIFY that I am neither attorney, nor counsel for, nor related to or employed by, any of the parties to the action in which this deposition was taken, and further that I am not a relative or employee of any attorney or counsel in this case, nor am I financially interested in this case.

LATITISA RUSSELL, C.C.R.
LICENSE NO. 30XI00234100

0	2	34 21:24 35:6	6409a 18:14
01 7:4 02 7:4,18 07960 3:6	2 3:20 5:20 16:18 55:18,19,23 87:18 20 20:19,19 38:14	35 39:23 73:23 89:19 36 4:20 35:6 37 41:20 3rd 34:8 52:25	66 83:18 67 4:24 81:15 82:21 69 4:25
1	60:21,24 70:5 83:6 83:15,20 110:9	4	7
1 3:19 55:14 1,100,000 39:14 1,245,000 39:14 10 20:11,18,20 22:12 41:22 75:3 84:9,10 88:16 89:10 90:9,16 111:9 112:15 100 68:12 82:3 111:8 101 88:18 89:19 104 110:7 105 1:8 39:22 88:18 10th 113:23 11 20:20 30:19 58:15 61:6 11:05 116:7 12 4:16 20:19 34:18 39:22 68:15 88:18 112:9,11 123 12:3 24:14 125 68:13 13.2 83:22 14 38:22 145 36:12 15 4:9 34:18 46:23 87:21 89:25 112:12 150 68:13 160 3:5 16th 115:5,10 1700 106:17 18 1:5 2:7 39:13 75:9,13 1900 106:15 1990 37:1 1996 52:16 104:23	200 40:2 200,000 75:21 83:21 2006 31:2 49:15 2009 34:2 2012 15:20 18:15 39:13 49:6,14 84:7 84:15 88:25 2013 22:12 30:9 38:22,25 2014 1:5 2:7 38:24 20th 59:6 21 84:10 2100 106:17 21st 59:6 23 4:17 24 4:16 36:25 37:5 38:11 47:25 48:3 89:23 90:2 24/7 39:23 54:10 76:24 25 4:18 89:22 90:1 26 52:7 29 4:19 29:7 37:3 84:9	4 4 5:22 60:14,17 75:5 40 4:21 38:7 66:23 77:12,19 41 4:22 443 75:4 474 30:11 48 68:15 482 39:14 49 4:18 4g 106:19 5 5 5:23 62:12,15 89:25 90:2 111:9 112:16 50 66:23 51 4:15 35:11 52 35:11,14 53 35:14 55 5:20 56 5:21 58 2:6 89:22 583 33:25 59 86:24 5th 6:9 7:2,3	7 25:23 50:1 75:2 7/31/14 7:5 70 5:5 80:11 93:3 700 106:20 716 33:25 73 5:6 69:10 74 5:7 93:5 75 80:11 89:24 77 4:17 78 74:3 79 5:8 8 8 39:6,9 80 80:11 108:12 800 106:5,14 81 5:9 82 4:22 108:12 84 110:11 85 107:16,24 108:1 108:6,12 109:8,11 109:14 110:11 111:7,14,20 85.5 108:14 86 5:10,11 108:15 87 5:12 108:15 8:15 2:8 8:30 116:1
	3	6	9
	3 5:21 40:11 56:17 56:20 84:10 89:14 99:16 116:3 30 22:13 23:18 77:11,16 300 83:19 30xi00234100 2:4 117:21 32 34:21 73:22 86:14 325 93:1 332 79:4	6 4:6 60 5:22 9:7 51:11 57:5 70:11 71:6 80:11 61 4:23 62 1:7 5:23 63 1:6 6409 6:11 15:13 19:24 25:24 26:15 88:25 89:3,13 91:20	9 4:15 91 83:9 911 45:17,19 93:3 942 30:11 95 68:10 111:8 98 93:14 9th 34:1,5 52:13,20 59:4

a	admissible 86:2 admitted 35:12 45:19 admittedly 64:1 adopted 24:21 99:23 advance 51:21 advanced 92:23 advances 51:23 65:22,25 66:1 98:2 advantage 113:2 adverse 58:4 100:13 107:21 108:8 aesthetically 39:22 affect 36:16 40:16 40:19 41:9 73:12 76:5,6 79:10 85:1,1 85:2 86:16 100:8,13 aftermath 70:8 age 93:18 agency 24:22 agenda 80:8 agent 81:19 ago 16:15 68:25 76:19 79:15 81:17 agree 74:14 91:9 114:12 agreeable 74:21 agreed 74:18 91:4 92:8 agreement 26:3 agreements 23:13 air 64:10 airplane 103:25 104:1 alabama 93:19 alleged 43:4 allegedly 44:24 allow 82:16 94:22 104:20 allowed 48:8 84:23 90:4 alt 3:19,20 alter 64:13 66:19 alternate 35:10,12 35:16 45:20 72:17	alternative 31:14 81:11 alternatives 66:11 alyssa 5:12 87:17 ambient 76:17 84:18 ameliorates 103:2 amelioration 102:6 amendment 78:17 amendments 78:13 america 80:10 93:17 american 59:10 78:24 82:12 americans 93:5,14 amount 12:13 47:18 47:18 amounts 41:17 ample 86:4 analysis 37:21 anecdote 41:8 animal 32:22 animals 77:3 86:19 annie 5:10 86:13 answer 23:7,17 33:2 41:1 51:21,22 65:13 67:10 87:15 104:20 111:6 answered 58:17 59:21 60:4 65:5 answers 65:7 67:8 antenna 16:7 17:2 26:17 47:12 83:19 104:4 105:8 antennas 9:24 26:4 26:24 37:2 38:12 39:20,22 41:7 47:16 50:19 51:16 54:20 63:1,14 65:3,9,15 66:2,3,14 71:1 73:2 87:12 88:4,18 89:23 90:2 92:19 94:4 105:2,3 anybody 13:13 22:16 27:19 40:9 65:5 73:20 78:25	anymore 106:25 anyway 105:13 ao 60:14 apparently 41:3 appeal 73:13 appeals 34:1,6 52:13 applicable 18:2 applicant 3:7 14:10 16:12 21:16 22:7 28:8,20 53:2 54:5 95:17 97:23 98:7,12 98:23 112:20 114:7 115:3 applicants 102:9 application 14:1,14 15:6,10 17:22 22:10 24:4,7 30:17 33:8 36:3 40:15,22 53:16 53:23 88:15,23 89:1 89:12 90:15 92:14 94:8 95:10 115:19 applications 20:13 20:15 104:16,17 115:10 applied 36:9 103:5 applies 26:15,17 apply 18:17 applying 76:2 appraisal 71:14 83:7,13 91:14 96:7 appraisals 37:15,17 appraiser 37:18,21 39:8 91:8 96:16 97:1 appraiser's 39:17 96:12,17 97:8 appraisers 83:8 appreciate 36:3,4 79:8 approached 34:23 appropriate 31:22 47:12 65:17 96:1 97:16
----------	--	--	--

<p>approval 53:19 54:15</p> <p>approvals 26:25</p> <p>approve 15:22 18:3</p> <p>approved 67:23 85:21 89:13,18 102:18</p> <p>approving 74:17</p> <p>approximately 2:8 93:5</p> <p>approximation 68:11</p> <p>april 59:4</p> <p>aqueducts 81:4</p> <p>arbitrary 41:2</p> <p>archaic 92:20</p> <p>area 10:15 28:24 33:2 38:9 42:21,23 52:3,5,8 58:23 59:23 66:7 70:3 72:5 83:23 101:12 101:14,16 102:7 103:20 105:3,4 107:12 108:14,17</p> <p>areas 31:23 32:4,12 32:20 42:21,22 43:4 44:23 66:2,10 67:20 104:15 107:19</p> <p>argue 86:8</p> <p>argument 51:14 85:19</p> <p>arisen 95:2</p> <p>arts 84:11</p> <p>ashley 4:25 69:10</p> <p>asked 16:14 32:25 43:16 52:7 65:11</p> <p>asking 27:11 30:17 30:22 40:18 87:13 87:16</p> <p>aspects 24:4 94:23</p> <p>assess 53:25</p> <p>assets 33:24</p> <p>assistance 28:12</p> <p>associate 26:5</p>	<p>associated 50:19 85:20</p> <p>assume 8:23 10:7 59:25 83:20 115:15</p> <p>assumed 60:23 76:1 77:13</p> <p>assuming 10:18 11:5,7 13:7 19:8</p> <p>assumption 11:1</p> <p>at&t 1:6 5:20 7:24 9:18 12:8 16:18 23:20 30:1,6 31:8 32:25 34:21 35:23 39:8,17 41:2,22 42:5,15 45:1,2 50:2 50:4,8 52:10 54:15 55:14,22 58:17,21 62:25 63:2,25 64:14 64:23 65:14 66:12 67:3 70:22 73:24 74:1,9 75:9 77:25 81:2 90:7 92:12 94:3 96:6 106:10</p> <p>at&t's 20:24 31:12 40:23 41:14,16 51:23 52:2 57:16 71:14 80:4 92:17</p> <p>attached 21:14</p> <p>attended 82:3</p> <p>attending 64:18</p> <p>attention 70:15</p> <p>attorney 6:15 29:8 30:3 117:12,15</p> <p>attributes 98:15</p> <p>audible 64:2</p> <p>audience 13:21</p> <p>august 6:9 7:2,3</p> <p>authorized 46:6</p> <p>authorizing 46:21</p> <p>authors 84:9,12</p> <p>automatically 102:11</p> <p>available 74:12 84:3</p> <p>avenue 36:13 75:1,4 75:17 79:4 87:18</p>	<p>average 20:7 38:14</p> <p>aws 106:17</p> <p>axe 71:20</p> <p style="text-align: center;">b</p> <p>b 5:17 14:24 61:13 61:13,21</p> <p>baby 69:13 70:10</p> <p>babysitters 69:3</p> <p>back 12:15,17,19 13:3,5,9,12 20:12 21:15 42:24 50:15 55:19 59:10 62:12 63:3,24 64:5 68:2 71:7 75:12,13,14 76:1,25 77:6,7 79:14 81:3 89:24 91:19 97:21</p> <p>backed 47:6</p> <p>background 36:22 38:5 80:17 84:18</p> <p>backyard 40:12 46:6,21 47:2 48:1,5 62:7 63:10,19,21 67:14 71:22,22 76:14</p> <p>backyards 41:13 46:16</p> <p>bad 80:5 110:13</p> <p>bakes 81:24</p> <p>balancing 99:19 113:24,24 114:15</p> <p>ball 72:8</p> <p>band 80:15 106:14 106:21 107:8</p> <p>bands 107:6</p> <p>barely 60:11</p> <p>barrier 17:17 33:14 63:7</p> <p>barriers 20:6</p> <p>base 15:24 16:1 26:1 26:20,20 27:4 48:1 48:5 50:22</p> <p>based 23:10,13 35:15 41:8 42:8</p>	<p>94:23 101:17 108:23</p> <p>basement 111:20</p> <p>basic 31:17 73:10</p> <p>basically 22:19 26:21,23 28:11 49:11 53:12 73:24 84:20 96:8</p> <p>basis 94:24</p> <p>batteries 59:22</p> <p>battery 7:22</p> <p>beacon 39:7,9,15,16</p> <p>bearing 72:8</p> <p>beat 75:20</p> <p>bed 116:4</p> <p>bedroom 76:25 77:6 77:8,8 91:6</p> <p>behalf 6:6</p> <p>behavior 86:7</p> <p>believe 15:9 17:19 19:6,15 20:6,11 21:8 32:10,18 33:6 33:19 41:11 42:5,17 47:10 50:11 55:12 71:21 76:9 78:12 88:23 94:19,23 98:18 99:19</p> <p>believes 14:13 28:23 91:20</p> <p>believing 65:6</p> <p>belong 39:20</p> <p>belongs 46:7</p> <p>beneficial 99:21 100:4,6 103:7</p> <p>benefit 36:22 72:24 80:2 104:5</p> <p>benefits 103:22</p> <p>benefitting 103:19</p> <p>benign 46:25</p> <p>berkeley 87:7</p> <p>best 52:5 60:1 90:22 109:16</p> <p>better 64:21 67:11 106:21 110:15</p>
---	---	--	--

<p>big 86:20 biggest 63:21 billions 107:17 binding 34:7 bio 49:5 84:7 bioelectric 84:12 birds 64:6 bit 72:9 88:22 101:10 107:21 blanche 90:15 blind 60:12 block 1:7 55:1 57:21 57:22,23 63:9,11 82:5 113:16 blocking 62:11 board 1:1 3:10,12 3:21,22,23 6:25 7:3 9:3 12:17 13:1,2,7 13:10,11,19,23,24 14:12,16,18,19 15:9 15:15 17:22 18:3,4 18:6,23 20:21 21:15 21:17,19,25 22:4,9 27:15 28:4,11,14 29:11,14 30:11,13 30:16 40:14 43:22 48:10 53:19,22 55:17 57:13 61:4 67:1 68:18 69:7 70:13 73:6,18 77:14 78:11,15 80:24 85:13,19,22 88:12 90:13,21 91:4,17 92:6,16 94:18,22 95:12 96:10 97:19 99:22 100:1,7,9,17 100:22,25 112:8 114:17 115:13 board's 13:18 15:12 boards 16:3 90:14 bob 97:17,19 113:22 body 76:19 bond 83:13 booster 50:6</p>	<p>border 104:17 107:17 borough 30:10 34:19 79:14 91:11 bother 66:24 bothered 46:24 bought 64:8 75:19 75:23 77:13 79:14 87:19 box 7:25 8:2 12:13 16:17,21,21,24 19:18,18 22:25 45:22 boxes 45:10 brad 4:23 61:6 branches 68:17 break 46:20 58:19 72:13 73:24 85:6 breaks 72:8 brennan 5:7 74:25 75:1 bridge 108:4 109:20 109:21,24 110:20 brief 70:18 briefly 101:4 bring 42:18 116:3 bringing 68:2 brings 103:10 broad 80:6 brought 6:13 18:10 65:21 70:2 85:16 90:21 91:25 96:25 brush 80:7 build 45:14 building 2:6 33:14 35:7 93:22 108:4 110:20 111:3,4,8,10 111:12 buildings 66:17 111:15,19 built 26:3 42:11 50:17 bulk 104:19 bulletin 27:7</p>	<p>burden 35:23,25 bureau 18:13 burglaries 46:5 burning 93:22 business 93:19 113:14 buxton 1:7 9:7 23:18 32:9 51:11,15 70:11 71:6 77:16 82:24 86:24 buy 39:3 65:1,4 buyer 38:13,16,23 38:24 buyers 39:6 64:20 64:21 84:25,25 buying 47:1</p> <hr/> <p style="text-align: center;">c</p> <hr/> <p>c 2:1 3:1 14:24 38:1 38:1 44:12 75:2 117:1,1 c.c.r. 117:21 cabin 33:16 cabinet 7:18,23,25 8:4,8 9:10,13 10:6,9 10:22 11:8 12:24 16:9,21,22,22,24 19:9 22:25 45:15 89:4,6,7 cabinets 6:10,13 7:7 7:9,10,21,22 8:9,11 8:12 9:12 11:3,6,10 12:21,22 14:7,8,9 16:12,16 19:24,25 56:25 76:22 89:2,3 calculate 110:21 calculations 68:20 california 52:23 53:10 call 20:23 42:15 45:17,19 67:9 75:10 78:7 106:25 called 8:20 37:16 41:2 50:5,10 59:5 59:18 67:3 106:17</p>	<p>106:19 calls 43:2,6 49:9 50:9 92:12 93:3,16 105:5 106:13 cancel 114:9 cancer 70:6 86:8 capacity 74:13 car 39:12 43:1 69:5 71:6 caracciolo 4:16 12:2 12:2,12,18 13:2,11 24:13,13 25:1,9 career 41:22 45:25 49:12 careful 40:14 carefully 41:5 carried 115:4,9 carrier 23:8 24:25 45:20 50:5 92:25 carriers 23:7,11,15 24:23 25:18 54:20 67:23 106:18 carry 77:1 110:2 113:12 carrying 60:2 carte 90:15 case 18:23 24:5 27:21 28:20,21 29:9 30:7,11 42:6 52:10 52:20 53:10 60:14 68:5 80:18 81:2 96:9,13 99:21 117:16,17 caselaw 17:24 18:5 53:8 91:10,22 95:5 95:11 96:7 98:5 cases 53:9 68:13 92:24 97:12,13 99:23 101:11 cause 14:15 83:12 100:20 caused 68:17 causes 12:14 84:21 86:8</p>
---	---	---	--

<p>ccr 2:3 cd 43:24 44:4 cell 7:23 33:5 37:1 38:12 39:1,3,10,20 41:7 47:21,22 65:15 66:14 67:17 69:20 70:2 72:19 73:8 74:4 78:1 82:8,14 83:10 97:13 100:5 108:24 cellphone 49:10 65:25 66:2 69:23 75:25 88:4 104:9 106:4 109:13 cellphones 92:11 106:8 107:18 cells 83:11 cellular 17:24 98:5 cement 89:25 center 39:21 82:25 central 64:10 certain 16:19 105:9 certainly 26:8 31:20 96:16,17 102:6 115:6 certified 117:4 certify 117:6,11 cetera 68:16 83:1 chairman 3:13 6:3,4 6:16 7:12 13:13 18:22 27:19 29:3 36:6 40:8 45:1 51:2 51:9 73:20 74:24 85:6 86:22 88:8 110:25 112:10,15 113:1,19 114:21 115:15,17 chairs 63:24 challenge 53:25 chance 12:12 40:9 change 7:6 11:23,25 14:17 15:10,11,25 16:4 17:20,21,25 27:13 89:11 94:20</p>	<p>changed 8:14 9:9 10:2,17 12:17,22,23 62:10 90:22 changes 7:1,11 10:18 12:24 13:9 22:6 45:9 65:16 88:5 changing 9:22 11:22 12:1 14:5 30:18 chapters 83:9 character 31:18,24 characterized 32:14 45:20 47:8 chatham 1:1 2:5,6 23:19 31:3 35:18 36:13,15,17,25 37:13 38:9,11 42:22 46:5 50:1 60:22 67:22 69:6,12 73:23 78:11 79:13 80:13 81:17 83:3 84:5 87:9,11,14,18,21 104:3,7 childhood 84:21 children 33:13 40:2 69:18,18 70:4 75:18 77:5 79:13 80:1 86:18 choice 47:23,24 48:2 48:4 70:1,2 73:8 chomping 46:6 choose 73:9 chose 82:13 chosen 80:21 christina 4:22 41:19 58:18 68:7 82:18 cingular 1:5 6:6,7,9 6:11 circuit 34:1,5,9 52:14,20,25 circulate 55:17 57:12 circumstances 14:13 15:17</p>	<p>cite 26:6 29:9 38:21 39:6 cited 53:11 city 33:25 75:14 87:24 103:25 city's 63:9 civil 90:19 clarification 24:14 class 15:20 18:1,14 88:24 classes 93:23 classify 27:3 clause 101:18 clear 23:20 25:12 30:24 34:2 73:6 95:12 clearly 31:8 32:1 33:8,9,19 51:22 client 46:22 clients 50:12 close 28:10 33:13 66:18,18 77:21 87:21,22 88:12 108:13 110:11 closed 31:7,24 32:15 32:22 33:23 closer 79:22 83:16 closing 28:9 51:14 88:11 closure 112:11 club 81:23 coherent 80:17 coils 39:25 collapse 109:25 college 87:25 collocation 15:22 26:2,16 27:8 89:1 colored 96:22 combination 42:20 44:22 combining 35:9 come 12:15,19 13:1 13:3,5,9,12 28:22 63:3 64:15 68:9 69:20 71:11 75:25</p>	<p>79:21 81:15 87:4 109:23 comes 8:4 83:5 104:8 106:15 coming 12:17 48:2 69:11 71:12 75:15 80:8 106:18 commencing 2:7 comment 24:3,17 26:9 27:22 28:6,7 28:17 29:8,9 46:3 88:9,11 94:16 97:17 commentary 29:11 comments 15:15 29:10 36:11 75:2 94:14 commercial 40:5,18 61:1 71:24 commercially 41:12 commission 15:19 18:16 committee 49:14,18 84:14 common 80:16 communication 92:21,22 114:1 communications 15:19 26:21,23 27:2 27:4,5 98:6 103:15 104:12 communities 80:10 community 20:11 31:19,24 50:7 61:3 69:7 70:14 77:18 78:16,20,25 81:21 82:10 83:5 84:3 93:18 105:1,2 community's 108:24 companies 20:3,3 54:16 company 8:5,5 37:13 59:6,10,11 71:8 72:4,12 73:1 89:5,6,7</p>
--	---	--	---

company's 107:3 comparable 37:19 comparables 41:5 compared 104:12 compelling 77:25 78:9 100:6 compensated 29:16 complaining 106:1 complaint 109:1 completed 28:20 53:22 completely 11:6 27:11 86:24 compliance 102:9 102:10,12,23 103:2 complied 6:11 35:25 complies 91:5 comply 14:11 31:9 31:20 32:1 91:18,20 complying 103:8 compound 7:19 88:19 89:8 comps 39:8 76:6 computer 9:11,18 9:21 10:8,8,18 11:17,19 12:21 41:24 45:21,24 46:9 46:10 computers 45:22,24 72:7 concentrated 70:3 concept 53:4,15 73:10 concern 23:1 40:4 46:15 50:5,12 54:17 74:15,21 83:2 90:21 92:4 96:5 102:24 concerned 46:19 47:7,14,15,17 72:1 72:6,11 86:15,16,18 concerning 18:9 24:7 36:8 96:20 concerns 26:14 38:18 48:20 72:15 90:23 91:1	conclude 14:15 54:14 concluded 28:8 116:6 concludes 49:23 concluding 14:17 conclusion 24:5 conditioning 64:11 conditions 14:14 100:12 107:21 108:8 109:16 confident 73:14 configuration 7:19 confines 17:8,11 confirm 52:10 confirmed 70:7 conformance 30:24 confusing 95:2 congress 104:24 connecting 93:17 connections 20:2 cons 112:21 consent 115:3 consequences 25:7 consider 13:11 24:11 30:13 31:13 31:14 33:21 35:7,18 38:17 43:22 44:4 48:10 80:18 81:12 84:23 85:13 91:17 96:15 111:25 considerable 52:22 consideration 79:2 97:11 considered 19:23 24:25 34:15 35:17 47:3,4 60:22 110:10 considering 85:19 85:22 111:2 consolidated 8:12 constant 47:19 63:20 65:22 constantly 64:12 65:23	constitute 27:1 constitutes 15:10 construction 17:10 17:12 23:12 consulting 78:25 contents 8:10 context 53:4,20 95:8 95:10,16 continue 14:18 112:5 115:2 continuing 36:7 continuity 80:3 contradict 49:11 contradiction 82:15 contrary 30:23 contribution 70:16 convenience 41:16 conversation 112:25 cook 4:20 36:12,12 36:20,24 37:5,7,11 37:16,20 38:4 40:8 81:18 cook's 46:22 cookies 81:25 cool 10:12 39:24 cooler 10:15 cooling 54:11 copies 44:21 56:1,3 copy 52:19 56:1 62:1 cordless 47:22 corner 76:25 corporate 78:14,20 corporation 80:7 correct 6:23 11:7 19:19 20:1,4,25 21:1 24:1 68:21 114:11 corrections 45:9 counsel 3:7,10 18:25 28:1,2 55:13 62:3 88:12 117:12,16 count 79:17 84:4 counted 75:12	counting 48:22 countless 64:20 countries 84:10 country 36:14 52:14 77:22 92:22 103:23 couple 16:4 26:9 39:10 61:24 67:15 75:2,22 82:22 87:1 94:10 113:15 114:22 115:10 course 82:11 court 30:9,12 33:20 34:1,2,6,7 43:24 52:13,14,25 68:5 82:24 90:14 91:12 92:24 96:8 97:2 100:3,16 117:4 courts 34:8,10 52:24 90:10 99:23 100:4 cover 42:20 58:13 72:20 93:1 102:2 coverage 44:25 50:3 50:6 52:5 53:15 54:1 66:8 70:25 92:18 93:14 95:3,4 95:8,9,21,25 98:9 101:5,8,12,14,16 103:8 104:2,5,9,19 105:1,4,11,16,21 106:2,4,6,12,21 107:6,8,20 111:23 covered 51:6,19 59:23 60:2 covers 102:2 103:1 105:9 craps 69:17 creation 15:20 18:15 88:24 credibility 96:18 crickets 64:6 criteria 18:5 19:10 22:8 26:6 35:2,3,4 42:9,9 51:14,23 53:3 54:5 58:3,10 68:1 97:22 98:24
--	--	---	--

<p>99:25 100:23 101:18 108:2,3 109:12 112:21,22 114:8,13,15,16 criterion 107:15 cross 4:4 crying 69:13 70:9 cs1900209 1:25 cul 71:7 curb 71:9 current 7:18 17:3 60:5 74:13 currently 17:5 27:5 47:3 curve 71:11 customer 42:2 customers 52:4 92:19 107:10</p>	<p>dead 34:12 deal 41:3 59:12,13 64:15 99:5 deals 13:25 17:24 95:5 debate 6:10 debating 88:17 debbie 49:25 deborah 4:18 25:23 december 21:15 22:12 52:6 97:21 113:23 decision 21:7 30:1 34:1 41:14 64:16 80:1 81:12 94:2,7 94:25 96:9 115:14 decisions 113:3 decrease 83:6,12,14 83:21 dedicating 69:2 deer 33:3,4 defend 80:24 deficiency 109:3 define 25:25 defined 16:22 17:3 26:2 50:22 70:23 defines 26:20 definitely 86:8 definition 26:12 27:12 107:11 definitively 23:1 degree 41:20 52:17 degrees 84:10 demand 73:10,11 demonstrate 53:6 54:6 95:17,18 98:9 98:23 demonstrated 70:23 98:12 denial 53:25 denied 53:16,19 84:25 deny 15:22 18:3 36:3 53:23 54:15</p>	<p>denying 54:2 department 82:6 depending 68:15 depicts 7:18 deploy 93:13 deployment 67:19 deposition 117:8,14 described 32:13 description 5:19 design 35:2,3,4 41:24 42:9,9 51:23 68:1 93:22 101:18 107:15 108:2,2,3,7 108:8 109:12,21 110:1,1,7,12,16 111:13 designate 23:21 designated 44:24 designed 46:8 110:6 110:18 designing 109:20 110:19 desire 28:2 36:18 desired 42:20 destroyed 76:11 determinations 28:15 determine 11:21 16:3 22:6,7 98:19 99:24 100:9,19 107:3 114:13 determined 16:21 16:24 53:23 100:5 determining 100:22 detriment 54:7 73:14 98:25 99:9,10 100:19,21 detrimental 100:8 100:11 development 31:22 32:13 device 42:14 93:23 devices 47:13 93:7 devoted 69:14 70:14</p>	<p>diagonally 88:2 dialogue 28:12 difference 8:7 24:16 47:23 52:9,22 111:1 different 7:19 24:18 24:19 53:15 67:6 91:2,2 104:11 106:7 106:10 differentiates 103:15 difficult 30:1 97:12 difficulties 38:20 digest 21:12 digital 74:9 93:17 93:24 dimensions 16:1 diminution 99:6 direct 4:4 6:18 15:2 82:15 directly 49:8 79:10 84:8 disc 43:15,19 discount 38:13 discredit 97:8 discuss 88:13 113:18 discussed 11:17 12:23 58:14 67:17 70:20 discussing 14:2 21:13 discussion 36:8 67:17 91:16 94:15 112:4,7,20,23 113:5 113:9,19 115:14 discussions 41:11 disease 42:3 disguising 78:20 disingenuous 70:24 dispose 76:19 disputed 86:6 disrepair 75:20 disrupt 67:20 distinction 22:25</p>
d			
<p>d 4:2 18:4 22:5 51:20 61:13 97:24 100:25 dangerous 71:13 85:24 data 42:7 106:22 date 18:16 36:10 55:19,20 117:9 dated 7:2,5 daughter 43:1,3 68:23 87:20 daughter's 77:8 daughters 82:4 dave 51:16 52:13 david 4:19 29:6 day 47:25 48:3 57:1 59:11 76:16 86:25 days 39:15 db 111:9 dbm 107:16,24 110:7,10 dc 16:18 dct 7:24 de 71:7</p>			

<p>distribute 55:17 distributed 21:14 district 30:9 districts 31:7 35:22 disturb 39:25 doctor 94:1 110:24 doctors 49:7 document 15:16,18 16:23 18:19 43:12 50:25 85:4,14 86:1 86:2 documents 51:18 61:9 dog 64:7 doing 27:24 29:17 37:15 43:19 97:25 98:8 106:16 dollars 76:10 77:21 83:20 door 67:24 91:6 92:5 doors 56:15 double 87:21 doubt 84:20 115:24 doug 5:8 79:4 dowling 4:5 6:21 19:6,20 20:4,8,10 20:16 21:1 download 93:21 dr 48:24 49:1,3,19 52:7 54:17 83:13 84:8 85:12 101:4,7 103:13 105:14 106:9 107:14 108:13,19 109:5,8 109:11,15 111:5,17 115:15,18 dream 82:12 dreyfus 4:19 29:6,6 36:6 51:17 drive 29:7 41:20 61:7 73:22 74:2 81:15 86:14 driving 52:8 63:17</p>	<p>drop 74:22 dropped 93:16 dropping 108:16 drops 105:17 drove 39:9 43:1 44:23 75:12 due 49:16 90:15 112:25 duly 14:25 38:2 44:13 61:14,22 117:8 dunn 4:25 69:10,10</p> <p style="text-align: center;">e</p> <p>e 3:1,1 4:2 5:17 14:24,24 44:12,12 44:12 61:13,13,13 61:21,21,21,21 79:4 107:1 117:1,1 earlier 14:2 17:15 43:16,17 63:8 68:8 106:4 115:23 earned 69:2 easement 17:10,13 19:13,14 easements 17:5 easy 40:22 edge 105:10 educated 42:11 83:11 effect 41:6 effective 112:5 effectively 7:6 effects 40:4 79:12 81:10 84:23,24 effort 29:18 36:4 69:4 efforts 30:3 eight 75:5 88:20 eisenstein 49:1,3,19 52:7 54:18 85:12 101:4,7 103:13 105:14 106:9 107:14 108:13,19 109:5,8,11,15 111:5</p>	<p>111:17 115:15,18 either 19:8,12 27:20 69:15 electric 8:3 89:5 electrical 20:1 38:12 41:21 89:4 elf 84:21 embarrassment 78:5,6 emergencies 93:4,7 emerging 31:5 35:20 emf 47:13 95:22 emission 48:2 emissions 102:14,21 emitted 47:18 emitting 47:13 emphasize 22:23 employed 117:13 employee 41:23 117:15 employees 59:18 enclose 17:16 enclosure 7:8,12 8:20 20:23 encourage 31:5 encouraging 35:19 endangered 32:21 enforceable 25:16 engineer 3:21 9:1 19:21 46:8 90:8,19 108:3 109:25 110:21 engineering 8:15 41:21,24 110:16,17 enjoy 58:9 63:13 enjoyment 39:25 ensure 22:10 ensuring 27:15 enter 55:5 85:3 entered 71:5 85:15 enterprise 40:18 71:24 entire 27:3 40:19</p>	<p>entirely 26:19 entities 16:3 entitled 2:2 22:18 entity 61:1 enunciate 73:16 environmental 68:16 environmentally 32:3 epidemiologists 49:7 equals 65:16 equipment 9:9,12 9:13,16,18,21 10:5 10:8,8,12,13,19,21 11:4,15,18,19,22,25 12:13,22 14:7,8 15:23 16:8,10 17:16 19:8,22 26:22 27:4 27:6,6 31:7 35:21 41:24 46:9,11 58:19 59:8,17 63:1 66:11 66:21 67:19 76:23 85:21 88:19 89:7,23 102:18,22 equity 83:22 especially 58:7,18 esquire 3:4,9 essential 78:2 essentially 53:1,9 101:8 essex 83:1 establish 97:24 established 39:21 101:17 establishing 35:23 35:25 estate 36:16,23 37:10,12,12 54:23 96:7 97:1 estates 33:25 et 68:16 83:1 evaluate 41:6 evaluated 52:24</p>
---	---	---	--

<p>evaluating 97:11 evening 6:2,4,7,14 74:25 79:3 115:13 115:23 event 82:4 everybody 26:17 51:5 56:2 73:6,7 79:8 87:1 105:11 evidence 14:15 43:10,12,17 52:19 55:6 84:7 86:4 evidential 85:15 evolution 106:19 exact 13:14 39:2,8 65:2 110:4 exactly 8:9 12:8 32:7,15 35:5 104:18 106:24 108:4 109:19,21 examination 6:18 15:2 114:16 examine 98:17 examined 98:17,19 examining 100:25 example 31:2 58:17 74:8 103:17 104:8 excavation 17:3,8 19:12,12 exceed 16:9 19:9 exceeds 89:18 excellent 107:19 exception 42:21 excuse 40:25 exempt 94:20 exemptions 24:8 exercise 27:16 exhibit 55:9,14 60:8 71:6 exhibits 57:16 exist 68:7 existing 15:24 27:2 31:24 65:12 84:18 88:19 89:8,22 90:12 101:12,21</p>	<p>exists 31:18 expand 12:6 expect 104:1,9 108:5 110:2 expected 60:25 experience 38:8 46:10 77:20 expert 11:20 23:19 23:21,23 24:1,2,10 28:22,23 41:8 45:12 45:16 46:13 71:14 71:15 72:20 77:19 78:8 84:8 85:16 90:25 91:3,16,25 92:2,8,9,9 95:23 expert's 39:17 expertise 80:16 experts 22:15,17 47:20 49:6 64:14 69:3 80:19 91:2,4 92:7,7 94:14 113:2 explain 6:25 41:4 explained 19:20 90:20 explanation 21:8 explanations 22:24 exposure 38:19 84:16,21 express 62:8 70:21 expressed 50:5 extend 101:15 extending 32:6 extensive 96:4 extent 22:11 42:16 42:25 45:14,23 53:10 96:19 102:1,4 103:1 107:23 extra 45:10 extreme 60:6</p>	<p>faces 77:9 facilitate 56:4 facilities 26:5 27:2 50:19 fact 20:12,22 31:10 33:11,20 42:13,17 44:21 48:16 49:9 50:9 54:1,9 65:8,17 72:13 73:4,5 80:19 83:12 96:15 99:15 114:9 factfinding 21:6 factor 30:14 33:22 108:6 110:2,9,22 111:15,18 factors 27:14 30:12 factual 94:24 fail 72:7 failed 35:17,22 fails 46:10,11 fair 67:1 83:10 87:15 91:11 112:20 fairly 115:23 fairmount 75:4,17 79:4 fairweather 3:4 4:6 6:2,5,5,19 7:15,20 8:2,7,13,17,23 9:11 9:17,25 10:7,16 11:5,12,16,24 12:7 12:16,20 13:5,15 19:2,17,23 20:5,9 20:14,22 21:3 23:5 24:20 25:5,13,17 51:13,21 54:8,22 56:22,24 57:14 58:23 59:5 88:15 115:6 fairweather's 30:2 fairyland 40:25 fall 82:7 familiar 97:14 families 80:22 family 63:23 68:22 69:12 75:18 79:16</p>	<p>family's 69:2 fan 10:19 12:24 fans 10:12,14 11:25 12:15 39:24 54:11 72:7 77:12 far 29:12 35:2,5 47:11 71:9,23 76:12 79:9 99:12 100:25 farmers 93:19 fast 59:13,14 faster 93:15 father 81:16 fault 80:5 favor 68:6 fcc 14:1 15:12 23:7 23:8,15,15,17 24:8 24:21,24 25:18 26:4 26:12 50:16,18,22 85:21 91:15,18 94:21 102:10,15,18 102:22 103:3 fear 38:18 40:5 federal 15:18 34:5 feel 17:22,25 36:16 67:7 74:2 79:20 80:22 112:4,14 feels 79:20 81:6 112:22 feet 20:11,18,19,19 20:19,20,20,24 33:15 66:22,23,23 68:10,13 88:18 89:10,19,19,22,22 89:23,24,25 90:1,2 90:3 fence 63:10 66:20 89:9 fenced 17:9 fewer 93:16 98:20 field 41:22 fifth 72:17 figure 81:4 108:22 figures 76:10 fill 34:16 90:17 92:13</p>
	<p style="text-align: center;">f</p> <p>f 30:11 117:1 f.3d 33:25 face 58:3 93:25,25</p>		

<p>filled 11:6 90:10 fills 53:7 105:25 final 74:17 101:3 finally 45:19 48:23 100:16 finance 77:20 financially 117:16 find 41:5 67:9 70:23 76:20 78:10,17,22 80:25 81:10 114:5 finding 94:18 findings 49:15 114:13 fine 63:18,19 92:3 finish 48:21 finished 6:8 fire 26:16,24 82:6 firefighter 93:21 firmly 69:22 first 12:4 14:25 15:14 29:13 30:14 38:2 44:13 53:1,13 61:14,22 62:3 70:12 70:22 78:12 85:4 90:7 94:17 95:13 111:25 113:14 115:20,22 117:8 fit 78:16,17 fits 27:9 five 6:13 7:7 8:11 9:8,23 10:4 12:3,5 12:10,21 14:6 16:13 16:25 68:20 84:13 93:12 102:13 107:17 fix 58:21 fixed 67:5 flaw 67:3,5 flawed 45:8 flexibility 41:3 flickinger 4:18 25:23,23 26:11,14 27:10,18 49:25,25 floor 45:25 111:22</p>	<p>florham 39:7 fly 103:25 focus 95:12 focusing 116:2 follow 19:1 23:16 24:25 67:16 following 113:6 follows 14:25 38:2 44:14 61:14,22 foot 17:17 39:22,23 63:6 88:18 89:9 footprint 21:2 force 68:18 foregoing 117:6 forget 45:11 form 13:19 formal 18:17 formally 28:10 former 29:13 49:7 84:12,13 forth 25:6 75:13 117:10 forward 74:8 77:8 82:5 88:9 94:22 112:7 found 37:1 38:11 80:13 81:1 90:11,14 91:12 92:2 102:23 four 6:13 7:9 8:9,12 9:8,23 10:4 12:3,4 12:11,21 14:7,9 16:10,13,15,25 17:1 19:9,11,25 46:23 54:25 66:22 82:4 89:1,2 92:1 99:24 100:1,1 fourth 72:1 fraction 104:16 frame 7:24 16:18 framework 54:3 frankly 78:3,6,10,14 78:19 free 34:11 freedom 48:3</p>	<p>freestanding 35:8 frequencies 106:10 106:11,12 friday 82:1,3 fridays 81:25 friends 63:23 86:17 frighten 45:16 frivolous 107:2,4 front 13:6 47:24 57:8 60:11 88:13 89:21 full 36:25 50:3 84:13 112:25 fully 102:2 function 42:14 93:10 107:23 funded 77:21 funds 77:22 further 22:21 40:5 102:20 117:11,14 future 12:6</p> <p style="text-align: center;">g</p> <p>g 61:13,21 75:3 gained 93:7 gaining 103:11 game 80:8,11 gamut 42:3 gap 33:23 34:3,4,16 34:20,22 35:24 44:19 51:24,25 52:12,15,15 53:4,7 53:15 54:1 66:4 72:21,21 90:10,17 92:10,12,13,25 93:1 95:3,3,7,9,21,24 98:9,10,20 101:5,7 101:8,14,17 102:2,7 102:7,25 103:1,2,4 103:8 105:10,24,25 106:6 107:12 109:2 109:4 114:6,10,12 gaps 43:4,7,7 52:4 106:7</p>	<p>gaultieri 8:24 58:22 general 22:10 29:1 51:22 54:18 67:18 98:2,7 101:5 generally 25:5 28:8 73:11 97:14 106:4 generated 41:12 98:21 generation 79:24 93:13 generator 54:12 59:24 generators 59:22 getting 11:11,14 39:11 50:15 105:20 106:18 ghoulish 76:17 give 19:4 29:4 31:11 36:21 56:8 62:1 69:17 70:17 88:21 91:13 112:24 given 34:10 73:7 80:6 109:6 112:8 gives 16:2 72:12 110:12 111:17 giving 111:11 glen 3:17 glenmere 83:1 global 83:7 go 28:5 35:18 45:19 51:18 54:23 59:7 70:9,24 73:3 81:3 87:4,5,25 90:12 94:22 105:16,23 106:24 111:22 goal 67:19 goes 18:15 23:10 32:8,9 50:4 64:11 76:12 83:25 104:19 109:24 going 6:21 10:4 13:7 13:8,12,22 17:7,11 21:6 39:12 45:13 46:13,16 47:14,15 48:4 51:5,7 53:17</p>
---	--	---	---

<p>54:11 59:13,22,24 59:25 60:3 61:16 62:21 64:1,2,13 66:21,24,24 72:14 73:25 75:13 76:23 76:24 79:25 84:19 88:9,16,21,21 92:1 94:18 105:12 106:20 107:7 108:14,15,23 109:22 111:8,10 115:8,20 good 6:2,4 52:5 65:13 71:2 74:25 75:8 76:13,18 79:3 99:1,5,9 100:21 110:15 google 83:18 gotten 69:5 109:1 government 15:21 24:21,21 governs 52:25 gps 43:2,5 44:18 grant 30:5 94:8 95:15 114:18 granted 40:6 54:6 98:25 granting 100:8,20 gravity 81:3,8 great 82:10 greater 12:13 greatest 22:11 greed 78:14,20 greene 75:2,3 greeves 5:11 86:23 86:23 grew 75:6 79:13 grind 71:20 gross 81:1 ground 8:21 105:20 group 50:11 80:13 95:5 113:5 grow 68:12 growth 68:14</p>	<p>gsm 110:6 guarantee 34:11 guess 22:14 25:9 38:24 42:12 60:8 66:1 101:3 111:24 guessing 66:22 guidance 15:8,16,17 16:2,23 18:1,9,10 18:11,13,18 26:12 guideline 24:24 25:1 25:2,11,15,17 guidelines 23:9,14 23:15 24:15 25:7,18 102:15 guys 52:19 67:12 79:5 80:18 81:11</p> <p style="text-align: center;">h</p> <p>h 3:9 5:17 14:24 44:12 habitats 32:21 half 17:17 20:5,20 20:23 33:15 63:6 68:25 81:16 89:9 115:25 116:2 hall 42:23 halpern 3:3 hand 14:22 37:24 handheld 93:6,22 handle 108:4 handles 106:22 happen 29:8 40:13 happened 58:25 happening 76:4 105:19 happens 27:1 28:6 74:6 79:19 happy 15:14 81:25 112:24 hard 41:10 69:2 92:15 94:2,6 harder 46:7 harm 84:3 harmed 79:11</p>	<p>harms 41:17 haylee 4:15 9:7 51:11 head 70:1 health 38:18 40:4 47:8,9 69:23 84:23 84:24 85:20 86:5 91:15 hear 13:21 21:25 22:4 58:8 63:6 64:6 64:6,6,9,10 66:24 69:24 77:2,3,3,10 77:11 91:7 heard 13:14 22:20 22:24 23:1 27:20 29:24 41:4,9,11 44:6 50:8 59:10 87:3 88:20 99:4 hearing 1:2 27:22 28:11 43:13,14,17 44:6 46:3 70:15,20 116:6 hearings 88:20 heart 81:1 heating 10:13 11:4 12:14 13:4,7 heavier 109:23 heavy 59:16 60:2 109:18,24 hedges 83:1 height 20:18,20 63:7 89:15,18 heights 87:7 held 2:5 hello 69:10 help 48:24 113:3 hereinbefore 117:9 heritage 75:2,3 hi 86:13 87:17 hiding 67:7 high 20:6,7 33:15 42:23 81:9 93:13 105:20 higher 10:19 68:19 83:16 97:3</p>	<p>highest 52:14 81:5 highland 42:24 highlands 38:23 81:20 83:2 highlight 88:22 highlighted 83:9 highway 63:19 110:20 highways 66:16 hill 39:7,10,15,16 73:22 74:3 hillside 32:5,8,8 hired 23:20 92:6 history 23:11,11 49:10,17 hold 19:14 64:23 holding 84:10 home 33:16 38:14 39:6,16 43:3 46:17 46:24 63:12 68:24 69:13 74:10 75:15 76:6,10 81:18,19 82:2 83:11,12 88:2 homeowner 40:15 81:16 homeowners 60:5 homeownership 82:12 homes 38:8,14 39:23 40:1 47:6 64:20 66:18 73:8 79:25 83:19,23 89:20 93:8 hooks 8:3 hookup 8:24 89:4,5 hope 61:4 69:7 77:14 80:18 hospitals 81:24 hotter 11:1 hour 115:25 hours 40:23 47:25 48:3 113:16 116:3 house 32:17 39:9 47:1 55:4 57:1,4,9 59:9,24 60:21,25 62:22 63:15 64:4</p>
--	---	---	---

<p>65:2,2 66:23 75:19 75:21,23,23 76:25 77:4,7,9,13 79:14 82:13 87:19,23 88:5 111:21</p> <p>houses 40:21 87:21 housing 9:16 houton 12:3 24:14 36:13 38:6 69:11 huge 88:3 humming 58:8 hundred 105:16 huron 29:7 38:6 40:11 41:20 46:23 61:7 81:15 82:23 86:14 husband 42:25 67:16 68:22 69:15 87:20 husband's 45:3</p>	<p>important 22:23 66:15 77:24 78:2 96:4 107:2,5 importantly 25:19 imposing 100:12 impossible 41:5 improve 65:24 improvement 74:1 improving 65:22 inability 44:20 inadequate 108:17 108:18,22 inches 68:15 incidents 38:21 include 89:3 included 32:10 includes 32:5 including 26:22 inconsistencies 81:2 inconsistency 46:2 inconsistent 33:8,17 incorrect 39:19 increase 60:24 108:24,25 increased 71:16 84:17 increasing 14:5 incredible 78:23 indicate 94:17 indicated 14:6 34:14 indicates 53:1 96:8 102:10 indication 34:23 68:25 industrial 40:6 63:1 influence 86:10 influences 86:6 information 10:17 21:12 42:16 80:6 93:7 inherently 99:21 100:4,5 initial 21:24 90:20 initially 45:10 63:5</p>	<p>initiative 49:5 84:7 ins 46:20 72:13 inside 7:8 9:9,18,19 9:20 63:15 111:8 insight 13:18 inspection 59:2 72:4 installation 16:7 41:25 76:11 82:14 82:16 installed 12:15 66:21 installing 67:13 instance 12:5 39:5 114:3 institute 83:7 institution 82:1,6 institutions 19:19 insult 78:5,10,18,21 intelligence 78:18 78:19 86:9 intend 75:22 intended 31:17 intent 58:11 99:2 interest 71:2 77:17 100:2,18 113:25 interested 117:17 interesting 103:14 interference 68:17 internet 93:16 106:25 interpret 18:17 interpretation 13:25 14:1,4,8 15:13 18:14 50:20 94:21 interprets 27:7 introduced 40:24 intrusion 40:6 46:14 intrusive 30:15,25 33:18 51:17 63:4 66:12 invest 112:15 investment 60:23 75:24 82:12 involve 16:7 17:2</p>	<p>involved 16:9 37:14 53:11 97:3 ion 48:24 ionics 49:2 ionizing 49:1,2,3,14 49:17 84:14 iowa 93:18 irvine 41:21 issue 13:25 21:7 22:18 63:21 68:7 69:8 73:5 83:10 102:7,8 114:10 issues 12:14 13:8 27:17 47:8,9 53:21 74:16 85:20 86:5 94:12,15 95:14,14 96:14,19 97:10 99:5 100:1,24 102:24 112:5 113:18 item 16:11 22:13 113:14</p>
i			j
<p>idea 46:21 65:14 ideal 67:25 identification 55:23 56:20 60:17 62:15 identified 7:22 16:16 identify 100:2,7 illegal 45:14 immediate 38:5 40:3 105:15,22 immediately 103:19 impact 10:11 25:3 33:1 35:21 58:4,6 64:24 71:15,17 96:6 impacts 31:6 65:9 98:21 99:7 100:11 impair 58:11 impairing 99:1 implementation 41:25 implemented 74:12 implore 81:10</p>			<p>jay 5:5 70:11 jcp&l 34:15 42:19 44:23 47:11 jeffrey 82:24 jersey 2:5,7 3:6 30:8 34:7 37:9 52:22,24 52:24 53:11,14 54:19 59:10 75:14 78:24 91:10,18,22 92:24 95:11 96:8 101:20 102:12 107:16 117:6 jim 4:5 5:7 6:21 19:17 75:1 job 1:25 15:20 18:15 59:19 80:12 88:24 107:3,5 john 3:14,21 4:17 5:9 23:18 77:16 81:14 joining 61:17</p>

joseph's 34:13 journal 83:13 judith 3:4 judy 6:5 july 29:21 jurisdiction 14:19 14:20 15:12 27:16 justify 14:16	87:4,9,11 94:6,6 101:1 107:13 108:21 109:5,9,19 110:4 114:7,14 knowing 64:9 knowledge 18:19 111:14 known 99:18	leaves 64:6 68:9,18 77:1,4 leaving 87:23 left 59:16 71:11 legal 36:8 37:15 64:1 80:16,23,24 94:11 legally 92:16 legitimate 52:12 length 20:17 lengthy 79:7 112:7 leonia 30:10 90:13 letter 7:2 21:17,24 22:12 97:21 leukemia 84:21 level 53:13 64:1 76:23 84:16 97:2,3 97:18 106:6 107:16 108:7,20 levels 84:18 97:15 106:7 levine 5:10 86:13,13 license 23:16 25:20 36:23 37:8 92:18 94:3 106:10 117:21 licensed 23:7 26:4 36:24 37:3 38:10 50:18 96:11,21 97:1 107:7 life 58:6 74:10 75:8 77:12 limit 31:22 84:18 limited 22:17 line 16:18 31:11 32:11 34:15 39:4 62:24 66:22 71:23 87:21,22 103:17,18 105:17 109:19 lines 38:12 47:7 93:9 link 70:6 links 43:8,20 list 31:20 listed 38:7 39:13	listen 34:13 41:13 64:12 65:8,9 listened 19:3 40:23 63:2 112:18 listening 36:4 60:20 77:12 listing 37:11 39:13 little 38:4 41:12 75:20 76:16 84:20 101:10 107:21 113:15 live 36:12 41:20 59:14 64:17 71:6 73:22 75:4 79:9,22 79:25 81:15 86:14 86:17 lived 46:22 60:21 64:4 67:13 75:2 lives 69:1 70:3 75:7 living 58:7 72:15 73:23 llc 1:6 30:10 33:24 llp 3:3 load 108:4 109:21 loaded 44:7 local 15:21 37:12 61:4 81:24 82:6 located 76:13 98:16 location 30:15 33:18 33:19 34:15 35:9 51:18 68:19 98:10 98:15 locations 23:12 33:5 34:22,24,25 44:18 47:11 68:1 72:18 locked 58:23 log 33:16 logged 50:10 logs 50:11 long 72:11 76:19 79:7 80:1 87:24 88:16 92:15 106:19 longer 38:15 93:9 look 18:4 23:15 25:18 32:16 33:10
k	l		
k 3:21 38:1 61:21 kali 3:23 katherine 4:21 40:10 kathryn 3:15 katie 4:24 61:18 keep 10:14 56:6 76:4 103:4 108:15 115:11 keeping 31:23 keeps 30:17 kenny 3:15 21:10,20 28:5,16 57:2,8 112:6,14,17 113:22 114:5,19 key 50:17 99:10 kids 41:13 69:12,16 87:23,24 kincaid 25:24 50:1 82:24 kind 78:7 kinds 103:16 knew 79:16 knocking 56:15 67:24 know 9:19,20 11:21 15:15 24:17,18 29:15,17 30:17,18 32:17,24 35:3 41:10 46:4,7,18 49:19 52:18 53:24 58:5 60:3,6,10 64:20,21 65:23 71:18 72:18 76:5 79:7 80:19,23 81:7 84:22 86:25	l 14:24 79:4 labeled 16:22 lack 66:8 lackawanna 82:25 lacking 41:3 laid 97:20 land 17:23 91:21 93:9 95:13 99:11 lane 25:24 50:1 language 99:11 large 45:24 80:7 102:1,6 103:1 104:16 107:23 larger 9:15,18 11:11 largest 83:7 lastly 73:4 latest 30:7 latitisa 2:3 117:4,21 law 17:24 19:24 21:11 25:10 42:10 52:22,23 84:23 91:22 94:3 99:11 105:5 107:5 lawn 91:11 laws 40:20 81:3 lawyer 40:11 lawyers 69:3 lay 97:4 lead 72:9 leading 24:4 lease 19:14 leased 17:4 leave 49:22 69:14 115:12		

39:12 40:14 42:18 47:6 54:18 55:18 59:7 74:8 82:4,11 85:5 87:11 88:2 99:13 102:8 looked 20:12 32:25 39:10 47:1 90:9,17 98:19 looking 38:17 57:20 74:8 104:13 112:7 113:22 115:2 looks 23:8 81:21 loom 39:23 lose 111:9 lost 83:22,22 lot 1:8 29:15 34:10 38:8 51:5 64:5 70:14 73:15,17 75:11 76:24 77:5 87:2 91:16 97:20 99:4 106:20 110:15 loud 45:25 love 69:16 104:16 low 60:6 81:6 83:23 84:17 lower 20:24 73:11 108:7 lte 106:19 lyme's 42:3	malfunions 58:20 management 42:1 manhattan 32:18 manufacturing 42:1 map 55:14,22 maple 82:25 maps 5:20 42:18,20 44:22 50:1 52:2 55:11 83:18 march 54:16 59:6,6 margin 102:14 107:21 110:12 mark 55:8,19 62:19 62:19,20 marked 45:12 55:23 56:7,20 60:17 62:15 market 37:20 83:10 massively 69:21 master 30:22,23 31:3,10,16,21,25 32:2,11,12,20 33:7 35:19 58:13 61:2 76:1 84:11 99:14 masters 84:11 matter 2:2 29:1 36:19 40:22 42:13 65:6 110:19 115:3,4 115:8 matters 10:10 42:14 mattle 5:8 79:3,4 mean 10:5,14,19,19 20:14 23:25 40:21 86:19 104:14 112:18 114:6 means 34:3 95:4,8,9 104:2 105:3 107:20 measure 68:11 measures 100:14 mechanical 39:24 54:10 mechanics 72:7 media 43:25 medical 84:10 meet 19:10,15 26:6 53:13 91:24 114:7	meeting 16:5 19:7 29:21 52:6 54:17 56:16 58:22 59:4,6 64:18 103:6 113:5 113:10,11,13,16 115:4,9,16 meetings 29:24 39:1 39:1 69:16 79:6 80:3 megahertz 106:5,14 member 9:4 13:21 29:13 49:7 68:5 84:13 members 3:12 9:6 18:7 83:11 84:13 112:8 115:7 membership 83:8 memo 50:23 mention 57:1 84:8 84:22 98:18 mentioned 16:11 39:8 52:1 58:19 83:14 merely 86:3 merging 31:13 messing 4:15 5:5 9:7 9:7,15,22 10:3,11 10:23 11:10,14,20 51:4,11,11 54:4 55:7,10,25 56:5,8 56:12,14,23 57:5,10 57:15 58:2 60:19 70:11,11 met 22:8 53:3 68:4 71:19 91:24 98:24 99:25 100:23 114:14 method 43:13 meyersville 2:6 michaels 3:22 4:8 8:19 9:2 14:21 18:12 19:4 21:21,23 22:3 97:17,20 110:23 111:1,13 114:2,11	microwave 47:21,24 middle 15:19 18:1 18:14 33:12 57:7 88:24 108:16 million 83:20,22 93:2 millions 76:10 milliwatt 107:17 mind 29:1 50:21 mine 77:7 minimal 54:13 65:20 minimally 67:20 minimize 31:6 35:20 minor 115:10 minutes 26:9 52:7 112:12,16 mised 67:7 mitigate 100:11 mobile 30:9 93:6 modeling 41:25 models 42:8,10,10 42:11,12,17 101:22 101:25 modifications 9:5 modify 90:22 mom 69:11 87:19 moments 16:15 money 75:22 81:24 monopole 35:8 monotony 73:25 month 63:2,2 64:25 113:7 months 40:13 54:25 58:15 59:20 88:16 112:16 morris 3:5 morristown 3:6 mother 75:6 motion 28:10 mount 62:25 66:3,9 mounting 16:6 17:2 move 38:20 71:10 88:9
m			
m 14:24 79:4 macevoy 75:1,5 87:18 mails 107:1 main 19:21 47:22 86:17 mainframe 45:24 maintained 46:8 maintenance 46:12 65:20 72:2 making 10:25 21:7 21:22 24:17 29:7 37:19,20 43:1 58:20 66:1			

<p>moved 59:19 60:5 60:22 68:22 69:5,12 75:17 80:21 81:17 moving 59:8 83:16 115:11 mull 97:6 multiple 40:18 43:25 76:9 municipal 2:6 17:23 66:16 91:21 municipality 101:23 106:24</p>	<p>79:21 82:19 87:22 89:17 90:3 92:16 93:19 94:4 97:9 101:2 110:22 needed 22:5 58:24 91:23 93:8 needs 13:2 22:9 27:15 92:13 95:17 95:21 neg 108:1 109:8,11 110:11,11 111:7,8,8 111:13,20</p>	<p>nevertheless 22:3 new 1:5 2:5,7 3:6 16:8,10 17:12,15 30:8 34:7 37:9 52:22,24,24 53:11 53:14 54:19 59:10 72:18 78:24 87:3,5 87:6,10 91:10,18,22 92:24 95:11 96:7 101:20 102:12 107:15 117:5 newborn 68:23 news 69:24 newspaper 57:17 nick 24:9 night 32:18 76:15 77:3 86:25 nine 17:17 20:5,23 27:12 30:18 33:14 33:15 63:6 89:9 njdep 91:5 noise 7:8 10:16 39:24 41:12 45:12 45:12,13,21,22,23 54:10 58:20 63:20 65:3,9,19 72:9,9,10 72:11 76:12,17,24 77:1 90:25 91:1,1,3 91:4,7 92:9 99:7 noises 64:8 nominating 49:18 non 48:24 49:1,2,3 49:14,17 72:20 84:14 nonpresence 47:5 nonresidential 31:22 nonresponsive 33:6 nonstop 39:23 normal 72:10 northeast 30:10 northwest 42:22 notary 2:4 117:5 note 16:13 68:8</p>	<p>noted 16:17 34:4 39:16 68:9 notes 2:1 67:16 117:7 notice 50:16 52:8 noticed 38:24,25 notwithstanding 30:2 november 38:25 58:22 nuances 80:4 number 6:10 9:23 10:20 11:24 16:6,8 16:12 17:1 19:11 20:12 33:7 39:5 42:19 48:15 57:3,5 68:15 71:18 78:13 85:13 86:9 103:5 105:10 108:11 109:3 110:5 numbers 80:8,11 103:10 107:12 109:6,7,10 111:11 numerous 30:5,19 45:9 nursing 81:25</p>
<p style="text-align: center;">n</p>	<p>negative 54:5 58:10 81:10 97:22 98:23 99:25 100:22 107:16,24 108:6,14 108:15,15 110:7 112:21 114:9,16 negatively 76:6 negatives 100:18 neighbor 40:12,16 57:11 neighborhood 33:12 38:6,23 39:22 40:3 40:19 41:18 46:20 48:18,21 62:22 63:17,18 66:5 68:24 69:19 71:25 81:20 81:21 82:1,9,14 83:3 103:7,9 104:3 104:4,6 neighborhoods 69:21 neighboring 40:1 neighbors 82:10 91:5 neither 117:11 nelson 3:17 113:11 network 105:6 never 9:12 11:17 12:23 39:3 58:16,25 59:19,21 60:4,25 64:15 69:5 75:23 82:8 88:1,4 105:5 107:11 108:11</p>	<p>nevertheless 22:3 new 1:5 2:5,7 3:6 16:8,10 17:12,15 30:8 34:7 37:9 52:22,24,24 53:11 53:14 54:19 59:10 72:18 78:24 87:3,5 87:6,10 91:10,18,22 92:24 95:11 96:7 101:20 102:12 107:15 117:5 newborn 68:23 news 69:24 newspaper 57:17 nick 24:9 night 32:18 76:15 77:3 86:25 nine 17:17 20:5,23 27:12 30:18 33:14 33:15 63:6 89:9 njdep 91:5 noise 7:8 10:16 39:24 41:12 45:12 45:12,13,21,22,23 54:10 58:20 63:20 65:3,9,19 72:9,9,10 72:11 76:12,17,24 77:1 90:25 91:1,1,3 91:4,7 92:9 99:7 noises 64:8 nominating 49:18 non 48:24 49:1,2,3 49:14,17 72:20 84:14 nonpresence 47:5 nonresidential 31:22 nonresponsive 33:6 nonstop 39:23 normal 72:10 northeast 30:10 northwest 42:22 notary 2:4 117:5 note 16:13 68:8</p>	<p>noted 16:17 34:4 39:16 68:9 notes 2:1 67:16 117:7 notice 50:16 52:8 noticed 38:24,25 notwithstanding 30:2 november 38:25 58:22 nuances 80:4 number 6:10 9:23 10:20 11:24 16:6,8 16:12 17:1 19:11 20:12 33:7 39:5 42:19 48:15 57:3,5 68:15 71:18 78:13 85:13 86:9 103:5 105:10 108:11 109:3 110:5 numbers 80:8,11 103:10 107:12 109:6,7,10 111:11 numerous 30:5,19 45:9 nursing 81:25</p>
<p style="text-align: center;">n</p>	<p>negative 54:5 58:10 81:10 97:22 98:23 99:25 100:22 107:16,24 108:6,14 108:15,15 110:7 112:21 114:9,16 negatively 76:6 negatives 100:18 neighbor 40:12,16 57:11 neighborhood 33:12 38:6,23 39:22 40:3 40:19 41:18 46:20 48:18,21 62:22 63:17,18 66:5 68:24 69:19 71:25 81:20 81:21 82:1,9,14 83:3 103:7,9 104:3 104:4,6 neighborhoods 69:21 neighboring 40:1 neighbors 82:10 91:5 neither 117:11 nelson 3:17 113:11 network 105:6 never 9:12 11:17 12:23 39:3 58:16,25 59:19,21 60:4,25 64:15 69:5 75:23 82:8 88:1,4 105:5 107:11 108:11</p>	<p>nevertheless 22:3 new 1:5 2:5,7 3:6 16:8,10 17:12,15 30:8 34:7 37:9 52:22,24,24 53:11 53:14 54:19 59:10 72:18 78:24 87:3,5 87:6,10 91:10,18,22 92:24 95:11 96:7 101:20 102:12 107:15 117:5 newborn 68:23 news 69:24 newspaper 57:17 nick 24:9 night 32:18 76:15 77:3 86:25 nine 17:17 20:5,23 27:12 30:18 33:14 33:15 63:6 89:9 njdep 91:5 noise 7:8 10:16 39:24 41:12 45:12 45:12,13,21,22,23 54:10 58:20 63:20 65:3,9,19 72:9,9,10 72:11 76:12,17,24 77:1 90:25 91:1,1,3 91:4,7 92:9 99:7 noises 64:8 nominating 49:18 non 48:24 49:1,2,3 49:14,17 72:20 84:14 nonpresence 47:5 nonresidential 31:22 nonresponsive 33:6 nonstop 39:23 normal 72:10 northeast 30:10 northwest 42:22 notary 2:4 117:5 note 16:13 68:8</p>	<p style="text-align: center;">o</p> <p>o 5:20,21,22,23 14:24 38:1,1 55:14 55:18,19,23 56:17 56:20 60:17 62:12 62:15 oak 68:12,14 oath 6:22 obama 93:11 objection 21:16 objective 31:21 objector 28:21,21 55:14 objector's 55:9,13 objectors 91:12 92:17 94:5 obscure 101:25</p>

<p>obstructions 55:2 obvious 46:17 81:8 obviously 16:23 17:14 occasionally 64:7 occur 82:16 occurred 92:14 october 39:13 115:5 115:9 odd 101:10,21 110:17 odor 54:9 offense 69:17 offer 15:8 28:24 offered 50:6 offers 18:13 offload 106:13 offloaded 106:15 oh 45:13 okay 6:16 8:6,16 9:2 18:21 41:12 48:12 86:3 114:19 old 68:23 omitted 54:9 once 47:25 64:9 67:9 75:10 79:18 92:1 ones 115:20 open 27:22 29:1 91:6 94:15</p>	<p>opposed 69:22 72:25 order 22:6 30:5 43:21 74:19 96:25 114:17 ordinance 25:22 58:12 89:14 99:3,13 99:15,17 ordinances 76:2 ordinarily 85:15 organization 83:8 originally 39:13 outdoors 58:9 outlining 21:18 outside 17:3,8,10 19:13,14 35:2,5 55:4 57:1 111:4 outweigh 41:17 oven 47:21,25 overall 94:15 oversees 24:22 overturned 96:9 overview 94:11 owe 112:19 owls 77:2 owned 17:4 75:3,5 owner 37:12 92:5 owners 36:14 93:19 96:21</p>	<p>paper 88:6 paragraph 21:24 22:13 parameters 101:19 parents 86:17 park 39:7 92:6 parked 60:11 71:8,9 parking 60:5 92:3 part 19:24 21:5 29:9 31:12 34:8 43:14,23 45:25 58:3 76:16 79:16 81:5 89:6 93:17 98:11,13 104:22 107:15 111:15 114:16 particular 25:25 95:18 particularly 51:16 53:6 95:19,20 98:3 98:8 parties 82:5 117:13 parts 48:19 party 82:3 pass 56:5 60:12 62:18 passaic 32:6 passed 73:13 104:24 passing 105:4 passive 54:8 patch 66:10 76:12 patient 93:24 patio 63:24 66:23 pause 51:6 paved 60:1 pay 38:13 payment 73:2 pcs 1:6 33:24 peace 70:10 79:21 peaceful 39:25 peer 85:14 penalties 25:6 pending 59:12 people 20:6 46:5,15 46:21 48:15,17,18 48:20 51:8 52:1</p>	<p>56:4,15 58:7 63:8 65:8 66:7 72:14 74:6,16 79:17,22,23 79:24 80:3,10,14,14 80:20,22,25 82:3 86:9 87:9,14 90:23 91:9 92:10 94:5 97:13 101:13 103:19,23 104:6 105:3 111:19 people's 97:4 perceived 40:4 percent 38:14 80:12 83:6,15,20 93:3,5 93:14 percentage 83:14 perception 46:12 84:24,25 86:5,6,10 88:5 99:6 perceptions 96:22 perfect 70:25 87:23 period 28:6,8 92:15 permissible 89:19 107:9 permission 92:4 permitted 26:25 person 28:23 personal 45:21 49:13 personally 70:17 pertinent 19:21 petersen 4:22 41:19 41:19 43:16 44:2,7 44:21 45:2,7 48:12 48:16,24 49:2,5,22 82:18,21 85:25 86:3 86:12 peterson 82:18 84:8 peterson's 49:8 petition 18:17 82:22 petitions 48:6 ph 5:11 ph.ds 84:10 philadelphia 104:8</p>
<p>opening 13:16 operate 110:14 operation 12:6 opine 80:4 opinion 15:6 17:19 18:24 19:5 21:25 22:4 23:2,3,19 24:7 24:10 39:19 41:8 54:23 72:22 74:7 91:12,24 97:5,5,8 opinions 19:4 27:24 30:8 64:22 opportunity 13:17 28:17,19 36:10 oppose 40:7 70:17</p>	<p style="text-align: center;">p</p> <p>p 2:1 3:1,1 44:12 p.m. 2:8 116:7 packet 21:20 pad 89:25 90:2 page 4:14 5:4,19 22:12 31:11,25 34:21 48:22 52:6 pages 34:18 35:6,11 35:14 paid 37:21 64:17 palos 33:25 panel 8:20 16:17 49:6,8</p>	<p>paper 88:6 paragraph 21:24 22:13 parameters 101:19 parents 86:17 park 39:7 92:6 parked 60:11 71:8,9 parking 60:5 92:3 part 19:24 21:5 29:9 31:12 34:8 43:14,23 45:25 58:3 76:16 79:16 81:5 89:6 93:17 98:11,13 104:22 107:15 111:15 114:16 particular 25:25 95:18 particularly 51:16 53:6 95:19,20 98:3 98:8 parties 82:5 117:13 parts 48:19 party 82:3 pass 56:5 60:12 62:18 passaic 32:6 passed 73:13 104:24 passing 105:4 passive 54:8 patch 66:10 76:12 patient 93:24 patio 63:24 66:23 pause 51:6 paved 60:1 pay 38:13 payment 73:2 pcs 1:6 33:24 peace 70:10 79:21 peaceful 39:25 peer 85:14 penalties 25:6 pending 59:12 people 20:6 46:5,15 46:21 48:15,17,18 48:20 51:8 52:1</p>	<p>56:4,15 58:7 63:8 65:8 66:7 72:14 74:6,16 79:17,22,23 79:24 80:3,10,14,14 80:20,22,25 82:3 86:9 87:9,14 90:23 91:9 92:10 94:5 97:13 101:13 103:19,23 104:6 105:3 111:19 people's 97:4 perceived 40:4 percent 38:14 80:12 83:6,15,20 93:3,5 93:14 percentage 83:14 perception 46:12 84:24,25 86:5,6,10 88:5 99:6 perceptions 96:22 perfect 70:25 87:23 period 28:6,8 92:15 permissible 89:19 107:9 permission 92:4 permitted 26:25 person 28:23 personal 45:21 49:13 personally 70:17 pertinent 19:21 petersen 4:22 41:19 41:19 43:16 44:2,7 44:21 45:2,7 48:12 48:16,24 49:2,5,22 82:18,21 85:25 86:3 86:12 peterson 82:18 84:8 peterson's 49:8 petition 18:17 82:22 petitions 48:6 ph 5:11 ph.ds 84:10 philadelphia 104:8</p>

<p>phone 43:5 45:3 47:22 52:4,10 69:25 75:10,11 110:6,8 111:20</p> <p>phones 93:6 108:1 110:5,6,7,14</p> <p>photograph 5:21,22 56:10,19 57:14 60:16 71:5</p> <p>photographer 55:3</p> <p>photographs 5:23 61:25 62:2,7,14,18</p> <p>physical 16:1</p> <p>picture 33:3,4 57:16 57:21,23,25 58:3</p> <p>pictures 57:20</p> <p>pieces 102:22</p> <p>pinilis 3:3</p> <p>pipes 59:16</p> <p>pitched 63:5</p> <p>pitching 65:14</p> <p>pizza 82:2</p> <p>place 17:11 23:14 72:22 74:7 75:18 76:19 79:15 80:21 94:4 102:6 117:9</p> <p>placed 73:2 93:4</p> <p>placement 67:25</p> <p>plan 7:11 9:5 13:1 14:10 22:9 30:22,23 31:3,10,16,21,25 32:2,11,12,14,20 33:7 35:19 58:12,13 61:2 63:4,5 76:1 99:2,12,14 104:10 104:22,25</p> <p>planner 3:22 6:13 13:18,23 14:12 16:14 19:3,5 23:24 23:24 24:3,6 59:7 91:19 99:19</p> <p>planner's 94:24</p> <p>planners 26:10 27:20</p>	<p>planning 32:4 53:5 97:17 112:6</p> <p>plans 7:1,4 15:7 17:10 45:9 90:20,22 90:23</p> <p>plant 32:22 72:19</p> <p>play 77:5</p> <p>please 6:25 41:18 48:24 77:15 82:16 86:21 88:6,7</p> <p>plot 40:17</p> <p>plots 107:25 111:5</p> <p>plowed 60:7</p> <p>plus 65:15,15</p> <p>point 13:22 18:25 21:16,25 23:3,3 28:11 36:10 38:22 44:3 49:12 65:21 72:7 77:2 78:8 96:3 106:2 114:24 115:1 115:2</p> <p>pointed 100:3</p> <p>points 63:12 94:10</p> <p>pole 112:4</p> <p>poles 66:4,10</p> <p>police 26:24</p> <p>polise 3:19 103:4 105:7 106:1 107:11 108:10,18,21 109:7 109:9 111:24</p> <p>pool 38:16</p> <p>porter 4:21 40:10,11</p> <p>portion 16:25 75:8 76:14</p> <p>posed 65:1</p> <p>position 36:2 80:24</p> <p>positive 51:14 97:22 112:21 114:7,8,13</p> <p>positives 100:17</p> <p>possibility 12:19 112:12</p> <p>possible 22:11 54:15 71:10 90:16 93:12</p> <p>possibly 59:8 89:3 113:4 114:10</p>	<p>potential 69:23,25 79:11 99:7</p> <p>potentially 82:7</p> <p>power 8:4,5,20 16:17 19:18 20:3 34:15 38:12 39:3 42:19 47:7 63:1 87:22 90:15 103:17 107:16 108:7 110:19 111:6</p> <p>practical 41:4</p> <p>precedent 40:5 67:21</p> <p>preclude 102:20</p> <p>precluded 85:19,22</p> <p>preexisting 81:7</p> <p>prefer 65:4 90:11</p> <p>preference 73:7</p> <p>prepared 84:9</p> <p>presence 47:1,19</p> <p>present 26:22 28:1 43:25 67:9 68:5 69:15 96:6,12</p> <p>presentation 28:9 41:15 44:1 115:24</p> <p>presented 42:8 44:6 48:11 80:17 81:2 97:4 101:6 102:9 107:25</p> <p>presenting 43:13</p> <p>presently 73:22 101:16</p> <p>preserve 31:17 61:3</p> <p>president 93:11</p> <p>president's 104:24</p> <p>presidents 84:12</p> <p>presumably 72:25 73:1</p> <p>pretty 30:2 42:2 115:21</p> <p>previous 10:1 19:7</p> <p>previously 41:23</p> <p>prey 80:9</p> <p>price 38:13,15</p>	<p>prices 73:11</p> <p>pricing 38:8</p> <p>primarily 42:5,8</p> <p>primary 26:4 30:12 50:18</p> <p>printed 21:10 57:16</p> <p>priority 60:7</p> <p>private 60:25</p> <p>probably 27:24 29:15 38:5 60:1 67:6 79:11 83:23 87:7 106:16 111:21 111:21 113:8 115:11,22,23</p> <p>problem 74:4,5 75:11 85:17 95:4</p> <p>problems 13:4</p> <p>procedurally 28:19</p> <p>proceedings 2:2</p> <p>process 67:4,5 71:20 79:7</p> <p>produce 65:18,19</p> <p>products 93:20</p> <p>professional 15:5 19:5 23:20,24 24:2 24:10 29:4 36:19,22 37:21 77:20 83:8</p> <p>professionals 22:19 28:13 115:1</p> <p>project 42:1 110:18</p> <p>promote 98:6</p> <p>prompted 45:18</p> <p>prong 99:24 100:1</p> <p>proof 53:13 94:12 95:14 97:3,15</p> <p>proofs 24:5 96:25 97:2,18</p> <p>propagation 35:9 101:18,22 102:5 106:21</p> <p>propagations 107:25</p> <p>properties 36:14 38:7,17 58:5 66:18 66:20</p>
---	--	--	---

<p>property 17:4 19:14 32:16 37:15,17 41:6 58:25 60:23 62:24 62:25 64:9,13 66:22 67:13 71:15,17,23 72:2 73:5,12,13,15 74:20 77:18 83:6,16 83:17 84:2 85:1,1 86:7 92:5 95:18 96:6,20,21 99:6,15 proposal 12:7,8 50:14 68:4,6,19 69:4 73:18 propose 43:7 proposed 7:22,23,24 7:25 8:20 16:7,16 16:17,18 17:2,16,21 22:6 30:15 33:18,19 89:22 98:1,3 101:9 101:12 102:1,5 103:1 105:24 proposing 31:8 89:2 proposition 53:12 pros 112:20 protect 67:2 protected 77:14 prove 51:24,25 78:1 78:8 proved 42:6 67:21 68:7 77:25 proven 66:6 provide 13:18,24 27:25 50:6 72:5 92:18 106:11 107:5 107:8 provided 15:25 42:15 44:8 78:7 90:7 99:8 providence 72:18 87:5,6,10 providers 101:23 provides 32:11 74:10 providing 29:10</p>	<p>provision 14:3 26:19 31:10 32:1 94:21 provisions 18:18 33:7 52:17 proximity 33:13 public 1:2 2:4 4:12 5:2 9:4,6 13:17 15:15 22:10,20 27:22 28:6,7,10 29:2,7 36:11 43:9 43:13 50:15 54:7 68:5 71:2 77:20,22 78:2 86:10 88:8,12 90:21 96:5 99:1,5,9 100:2,18,19,21 107:9 112:19 113:24 114:3 115:8 117:5 public's 28:16,18 publication 16:2 publicly 43:18 published 15:18 30:8 50:16 purchased 81:18 purchasing 47:3 purpose 26:4 50:18 55:15 58:12 66:15 77:22 78:3 79:1 purposes 95:19 99:2 pursuant 17:23 85:18 92:17 pushed 89:23 put 6:14 20:9 22:20 26:8 30:4 36:5 48:1 48:5 55:19 60:8 62:12 63:1 66:12 69:25 75:16,21,22 75:25 88:17 102:4 103:17,18 104:4 105:8 108:5 110:9 110:22 putting 29:18,19 31:15 33:11,15 103:11 105:12</p>	<p style="text-align: center;">q</p> <p>qualification 28:25 qualified 24:3,6 qualifies 27:8 quality 58:6 quantifiable 109:3 question 16:20 18:8 22:23 41:1 49:9 53:5,17 65:1,5,7 71:14 87:15 103:14 104:18 105:7 110:23 111:25 113:23 questioning 26:11 102:20 questions 9:4,6 13:13 14:11 16:14 18:6 19:1 22:16,21 26:10 27:19 28:3,4 58:16 95:2 96:18 106:24 113:3 114:20,22,25 quick 67:15 68:8 115:21 quickly 58:21 quiet 76:15,18,20,21 quieter 75:18 quite 38:8 72:9 78:3 78:6,10,14,19 84:17 quote 31:4,7,19,21 31:25 32:5,14,21,23 33:23,23 39:2 50:16 54:18 quotes 15:19 32:15</p> <p style="text-align: center;">r</p> <p>r 2:1,1 3:1 14:24,24 44:12,12 61:13,13 61:13,21,21 89:14 99:16 117:1 radiates 76:7 radiation 38:18 47:18 49:4,14,17 69:25 70:6 84:15 86:15,19 102:21</p>	<p>radiofrequency 8:15 90:8 92:9 102:14,21,25 radiowave 38:19 radiowaves 65:19 rain 107:22 raise 14:21 37:24 69:12 70:4 75:18 79:16 80:22 96:17 raised 54:17 63:7,11 raises 81:23 83:15 raising 103:13 range 68:14 83:16 105:11,15 107:18 107:20 110:14 rate 10:20 rates 68:14 ray 5:11 86:23 read 21:12 22:2 26:18 65:22 82:22 84:19 reading 51:6 103:5 readings 91:2 reads 27:7 real 36:16,22 37:9 37:12,12 54:23 96:6 97:1 reality 41:4 realize 96:24 97:7 really 26:9,15 28:18 29:7,10 33:6 53:5 53:21 65:6,13,16 66:5 72:1 78:23 86:2 87:4 94:2 103:11 114:21,25 116:2 realtor 36:13,19,25 37:6,18,20 38:10 64:19,23 96:21 97:4 realtor's 96:11,14 realtors 91:13 rear 90:1 reason 69:13,14 76:3,8 78:1 79:16 84:22</p>
--	---	--	---

reasonable 100:12 110:10 reasoning 23:10 reasons 13:6 70:18 73:16,17 74:11 81:8 82:13,15 85:12 97:24 98:11 114:14 rebuttal 19:3 21:4 recall 32:24 99:20 recap 101:5 received 18:16 55:23 56:20 60:17 62:15 receiving 73:1 reception 111:3 recess 85:8 recommendation 74:14 recommendations 21:11,21 23:9 reconfigured 10:9 record 6:14 22:2 29:5 43:23 51:9 52:2 55:16 56:7 62:22,23 113:20 redevelopment 32:14 reduced 9:14,23,24 10:1 16:12 38:16 100:14 reducing 6:12 11:3 reductions 38:15 reevaluate 68:18 reexamination 31:2 refer 32:3 90:12 92:23 97:21 reference 31:12 34:17 91:10 references 35:19 referred 11:18 refresh 94:13 refuse 47:6 refute 69:4 refutes 49:8	regard 8:14 19:17 regarding 90:23 regardless 52:12 regards 22:5 regimen 74:13 regular 113:10,11 113:13 regulated 85:21 regulates 24:22,24 regulation 18:11,20 25:2,4,10,10,11,14 25:16,18,21 regulations 25:5 26:19 102:11,12,24 103:3 reject 73:18 90:15 related 15:16 17:6 117:12 relates 95:21 relative 14:14 117:15 reliance 25:24 relied 96:10 relief 15:20 18:2,15 28:13 51:20 88:24 99:17 relieve 100:9 rely 40:20 remaining 8:9 remains 11:9 remember 6:7 64:25 75:10 remind 6:21 removal 15:23 removed 7:9 8:8 10:21 removing 11:8 render 24:6 115:14 rented 46:24 repeat 22:22 51:7 70:19 replaced 7:4 replacement 15:23 report 39:9,17 84:9 102:9 113:23	reporter 117:5 reports 31:3 represent 48:20 50:2 representative 32:25 represented 50:2,3 50:9,11 represents 42:6 84:2 reputation 69:7 request 15:22 67:24 97:25 requested 28:14 requests 98:22 99:10 require 46:14 89:15 90:18 93:9 required 71:10 89:25 95:14 102:3 requirement 24:15 31:9 requires 46:11,12 89:14 resale 38:20 47:10 resident 62:22 70:12 72:25 77:17 residential 31:7,17 33:12 35:22 38:10 39:21 67:22 71:25 82:9 90:4,5,6,11 92:20 104:15 residents 48:7 64:17 66:19 67:2 72:24 78:11 80:20 94:5 104:21 resistance 68:3 resnick 5:12 87:17 87:18 resolution 115:25 resolved 95:22 113:17 resources 69:3 respect 34:10 61:4 respectfully 29:25 36:1 50:20	respond 59:12,13 responsible 67:18 restrict 15:12 restricted 14:3,9 37:9 resubmit 55:16 retail 74:11 retired 40:11 revenue 72:24 73:3 83:4,22 84:1,3 review 17:22 28:13 53:22 85:11,14 88:21 94:12,22 95:23 96:16 97:19 reviewed 15:6 30:12 30:21 reviews 95:12 revised 6:9,12 14:10 revisions 15:7 rf 42:8,10 44:22 45:16 richard 3:16 ridge 32:9 105:17 right 12:10 14:22 32:9,10 37:24 46:23 55:4 61:5,9 65:18 67:2 71:9,21 72:15 77:6 79:18 80:24 93:1 94:7 97:6 104:17 105:10 113:20,21 114:23 rights 78:24 risks 69:23 84:17 river 32:6,6,9 34:16 34:20 45:18 63:18 75:9,12 rms 91:11 road 1:7 2:6 9:8 23:18 32:6,9 34:16 34:20 39:10,16 42:23 45:18 51:12 60:9 63:18 70:12 71:13,17 75:9,12 77:16 86:17,24 110:20
---	---	---	--

roads 63:17 robert 3:22 4:8 rolling 73:22 74:3 rollover 80:14 romano 3:18 109:13 romans 81:4 room 60:12 79:23 103:24 roots 59:17 roughly 42:22 round 64:12 rpr 2:4 rule 19:10 ruled 52:15 ruling 52:19 run 104:13 running 47:25 runs 101:8 rural 93:18 ruschke 3:21 rush 112:16 rushed 112:22 russell 2:3 117:4,21 russian 84:14	saturated 106:14 saturday 75:13 saw 30:7 39:10,11 57:11 saying 13:8 24:1 25:13 44:16 45:12 71:1 84:20 103:4 112:17 says 17:1 26:1 31:16 34:10 54:22 58:4 70:24 84:16 97:2 98:5 scale 96:25 scenic 32:15 school 25:10 42:23 50:4 schools 83:25 science 84:11 screeching 77:2 seamless 105:6 114:4 seasons 62:10 second 7:17,23 30:21 33:22 52:14 71:3 87:20 102:8 111:22 seconds 26:13 secretary 3:23 section 6:11 15:13 16:6 18:14,18 88:25 89:3 security 74:10 see 14:12 32:17 39:6 43:3,5,5 44:17 50:24 56:22,23,25 56:25 57:19 59:2 61:8 62:9 63:6,14 63:15,16 66:15,16 71:12 73:3 79:10 87:5,6,7,9,14 100:8 108:25 seeing 56:4 106:23 111:6 seek 30:16 31:1,1 99:17	seeking 30:6 seen 78:3 101:11 104:15 selected 53:6 self 49:18 sell 38:15 52:4 93:20 selling 37:9,11 63:12 81:19 83:24 sen 5:6 73:21,21 sense 80:16 81:21 82:9 102:19 sensitive 32:4 sent 6:12 sentiments 70:19 separately 112:3 september 1:5 2:7 series 62:17 109:23 seriously 46:19 60:21 serve 30:16 31:1 66:15 107:9,10 served 95:20 service 33:24 34:3 34:11 42:2 45:1,2 52:4,9,17 53:5,7 58:18 70:13 74:1,11 92:25 services 74:9 83:25 84:4 set 12:7 23:14 25:6 40:5 67:21 117:9 setback 89:21,24 90:1,3,5,6 sets 53:14 setup 63:24 seven 54:25 76:10 79:15 sewer 72:19 103:17 shadow 82:8 shared 83:4 shares 62:23 shaw 3:9 4:9 7:17,21 8:6,10,16,18 9:3 13:16,22 15:3 18:6 18:25 21:5,13 22:2	22:14 23:23 24:2,11 26:8,13,18 27:14,21 28:7,18 36:7,18,21 37:3,6,8,14,18,23 43:11,21 44:3,9,16 45:4 48:9,14 49:24 50:25 52:20 55:5,8 55:12 56:3,6,10,13 56:17 57:12,25 60:14 61:8,16 62:2 62:12,17 82:20 85:3 85:11 86:1,11 88:11 91:16 94:9 101:3 106:3 112:2 113:8 113:12,21 114:24 115:7,19 sheet 7:17,17 sheets 6:9,12 7:4,7 shelter 16:10,15 19:9 20:7,9,10,17 20:24 89:2,9 shockingly 76:15 short 26:13 85:8 show 57:13,14 62:3 65:9 86:3 98:1,7 showed 42:18 52:3 78:12 81:19 showing 38:23 52:3 57:18 60:8 98:13,14 shown 17:9 98:1,6 shows 57:22,23 shunpike 83:1 sica 99:21 113:24 114:15 side 64:17 65:2,2 77:9 79:12 81:10 89:24 97:10 sidebar 78:22 sided 73:25 sign 38:24 signal 52:11 signatures 82:21 signed 48:6,15 59:13
s			
s 2:1 3:1 5:17 14:24 44:12,12 61:13,21 sac 71:7 safety 22:10 46:3,19 49:10 82:10 108:6 110:3,9,22 111:16 111:18 saikat 5:6 73:21 sale 39:6 sales 5:20 42:2 52:2 55:10,14,22 sanctuary 60:25 sandy 83:13 satisfied 30:4 114:17 satisfies 24:7 98:10 satisfy 30:5 33:20 51:14 54:5 68:1 98:20			

<p>significant 33:23 34:3 35:24 43:7 51:24 52:15 54:1 95:3,7,9 114:10 significantly 39:18 signify 52:15 signs 38:25 simply 26:23 simulation 41:25 simulations 42:12 single 19:8 40:15,15 40:16 57:1 68:4,5 72:25 sir 7:14,20 8:13 115:17 sit 42:4 66:20 69:22 70:5 71:21 81:5 site 7:1,11 12:8,16 12:25,25 13:9 15:17 17:3,6,18,21 22:9 32:19 53:6 59:1,3 65:18 72:3 90:10 91:4 92:1 95:25 98:2,8,14,15,21 101:9,12 102:1,5 103:1 105:24 sites 12:9,9 20:2 90:9,16,16 98:18 102:3 105:21 sits 8:21 sitting 33:3,4 63:22 70:7 situation 71:13 situations 109:18 six 31:25 54:25 70:18 92:2 size 7:13 10:9 11:13 11:25 12:14,24 14:6 20:16 skills 30:3 skyline 32:18 63:10 slightly 9:15,17 20:18 slow 107:13</p>	<p>slyck 5:9 81:14,15 small 33:16 34:11 40:17 42:21 62:25 66:3,4,10 79:13 93:19 smaller 10:13,15 11:4 21:2 86:20 smart 91:11 smoke 54:8 snow 59:23 60:2 107:22 society 84:13 sold 38:7,7 39:14 64:20 78:24 sole 26:3 50:17 solution 67:4 74:10 solutions 67:11 81:11 somebody 58:24 76:18 son 50:4 68:23 son's 77:6 sorry 11:7 20:11 92:8 sort 40:24 112:11 sought 101:1 sound 7:12 11:20,21 17:17 20:6 33:14 63:7 sounds 10:25 41:10 67:8 southeast 101:9,15 105:23 space 10:14 11:4 speak 23:1 25:16 36:15 39:16 57:25 77:17 103:10 speakers 4:12 5:2 speaking 40:12 70:12 80:20,25 special 97:24 98:11 113:5 114:14 species 32:22 specific 9:5 13:25 31:21 38:21</p>	<p>specifically 26:10 34:25 35:19 88:25 99:20 specifics 58:14 spectrum 90:13 speed 93:13 spend 64:5 75:8 77:5,11 spent 45:25 69:1 spoke 81:20,20 97:22 spot 60:12 spots 34:12 sprint 33:24 90:13 staff 23:2,3 81:25 stake 100:3 113:25 114:3 stand 47:24 69:8 92:17 standard 16:8 19:18 20:8 41:2,2 95:20 101:19 106:5 111:2 standards 17:23 36:9 53:9,14 91:23 110:5 standing 57:6,7,8 standpoint 22:15 97:18 stands 19:7 53:12 start 51:12 114:23 starters 30:20 starting 112:22 starts 58:20 state 2:4 15:21 29:3 32:13 37:9 41:8 51:9 54:19 74:18 75:20 77:23 101:20 102:12 117:5 stated 15:16 17:7,14 24:15 39:17 62:23 66:6 83:14 93:15 statements 51:13 99:14 114:22,23 states 15:21 30:8 31:4 35:13 93:2</p>	<p>station 15:24 16:2 26:1 48:1,5 status 18:9 statute 24:20,23,23 25:21 34:5 statutory 22:8 24:15 stay 112:24,24 staying 112:9,10 stays 11:2 steep 32:5,7 stenographic 2:1 117:7 step 88:10 stephen 3:9 steve 98:3 stood 55:3 stop 74:19 stops 32:8 storm 109:17 storms 107:22 straightforward 115:24 strange 101:25 straw 112:4 street 3:5 57:6,7 59:15,16,18 71:3,4 72:14,16 88:3 92:3 92:6 111:7 streets 82:23 strength 74:13 stressing 69:1 string 46:4 stringent 102:13 strokes 80:6 strongly 40:7 struck 7:24 structure 17:15 26:3 27:8 35:8 50:17 65:12 81:7 89:8 90:12 98:16 student 93:23 studies 91:3 study 10:17 83:15 styp]le 3:20</p>
---	--	--	--

<p>subject 28:25 49:16 submission 7:3 submit 29:25 36:1 43:8,10,15,17 48:4 48:7,9 50:20 61:25 84:6 submitted 21:15,17 21:18,18 29:11 45:9 48:8 52:18 submitting 44:5 subscribers 93:2 substantial 14:17 15:10,11 16:4 17:20 17:21,25 21:8 22:7 27:13 30:3 42:7 50:7,13 54:7 84:2 89:10 94:20 98:25 99:9,11 100:21 103:7 108:23,25 substantially 14:5 15:25 99:1 102:15 sufficient 44:10 45:5 102:19 115:12 suggest 94:9 suggests 12:4 suitable 53:7 95:19 95:20 96:1 suited 51:16 98:3,8 summaries 84:16 summer 57:23 59:15 82:2 summertime 64:10 summit 75:6,7,14 87:5,6,10 supervising 42:1 supp 30:11 supplied 97:19 103:6 supply 73:10 support 50:13 79:22 79:24 83:25 84:4 97:24 supporting 26:4 50:18</p>	<p>suppose 48:15 supposed 62:3 89:21 95:13 supreme 34:7 92:24 96:8 97:1 sure 7:2 19:6 33:16 36:24 43:11 50:10 58:24 61:11 73:16 73:17 85:3 87:8 88:2,6 110:25 113:17 surmay 3:15 surprising 101:10 surrounding 17:4 67:20 105:21 swear 13:17 61:9 swearing 27:25 sworn 13:23 14:25 38:2 44:2,13 55:7 61:14,22 82:19 117:9 sympathize 74:15 system 65:24 103:22 110:19 systems 106:19</p>	<p>51:1 53:8,21 57:10 76:9 89:16 talks 32:20 tall 17:17 68:13,14 tank 27:3 39:11 41:7 60:11 88:18 tanks 34:19 target 67:22 tax 15:20 18:2,15 83:4,21 84:1 88:24 taxes 73:13 85:2,2 taxpayer 72:23 tech 81:6,9 technical 22:14 technically 74:7 technologies 31:5,14 31:15 35:10,12,16 35:20 technology 16:9 65:22 92:23 telco 7:25 8:2 16:17 19:18 telecom 19:19 20:15 89:7 telecommunication 35:21 telecommunications 18:13 27:6 31:6 34:4 52:16 53:18 85:18 95:6,7 104:23 telephone 8:5 20:1,3 66:3,10 89:5 104:1 tell 56:15 59:14 62:4 65:24 107:14 109:6 telling 46:9 temporary 74:22 tend 115:21 term 106:19 terms 18:2,4 19:11 20:17 25:25 27:15 29:19 30:7 44:4 47:17 50:20 84:3 96:5 97:2,14 test 99:19,24 100:1 113:24 114:15</p>	<p>tested 66:7 102:22 testified 6:22 8:24 9:12 11:16 14:25 34:17,18 38:2 44:13 54:18 61:14,22 63:25 72:10 85:17 90:8 testify 6:15 36:18 37:23 43:18 47:20 48:12,14,16 64:15 testifying 27:23 101:13 testimony 6:8 7:16 8:14,25 10:1 11:23 12:10 13:14,19,24 15:7 17:15 19:7 22:1,5,15,17,19 27:23 28:1,21 29:24 31:11 33:5 34:14 35:10,15 43:10,23 44:9,17 45:4,8 46:2 48:10,23 49:9,16,23 58:15 61:17 63:3,8 64:19,24 65:11 66:6 68:9 76:8 78:4 80:5 85:23 88:20 91:9,14 94:24 95:23 96:5,11 96:12,14,17 97:11 99:4 101:5 102:4,17 102:19 106:3 112:18 textbook 93:24 thank 8:18 27:13,18 29:14 36:6 40:7,8 49:24 51:2,4 60:20 61:5 69:8 70:13,15 73:19 74:24 77:15 79:1,5 81:12 82:17 86:11,12,21 87:16 88:7 115:18 thanked 29:18 theoretically 27:4 thing 17:14 23:5 25:8 27:10 32:19 53:1 60:3 61:5</p>
t			
	<p>t 2:1,1 5:17 14:24 30:9 44:12,12 61:21 79:4,4 117:1,1 table 68:2 take 38:14 41:14 43:9 48:3 85:4,6 86:19 93:23 96:23 97:10 113:1 115:24 taken 2:3 56:13,14 62:7 74:16 85:9 100:15 117:14 talent 78:7 talk 75:11 talked 16:5 34:24 59:18 64:19 69:21 78:23 91:22 talking 33:11,13 40:17 45:23 49:20</p>		

<p>73:25 74:19 77:25 79:18 87:3 95:16 113:17 things 11:7 16:4 19:16 26:24 27:1 51:5 52:23 60:7 64:8 66:9 77:3 78:5 87:2 101:9 103:14 107:1 110:13 113:16 think 16:23 18:3 19:10 22:18 24:17 26:5 29:17,20 33:2 44:9 46:1 49:16 50:3,8 58:2 63:20 64:22 65:12,16 66:2 66:12,14 67:11 69:17 70:18,22 72:13,17 73:5,15 74:1 77:21 78:19 79:23 80:6,13,17,25 81:1 87:15,15 97:7 97:13 99:8 100:24 102:3 106:3 112:13 112:19 113:1,12 114:2,19,24 115:1 115:21 116:1 thinking 45:17 thomas 3:19 thornier 95:1 thought 46:25 75:24 76:18 100:16 109:22 thousand 67:6 threatened 32:22 three 22:12 42:19,21 54:22 59:11 71:18 75:4,6 84:12 93:8 time 6:7,8 8:24 13:6 17:12 18:10 27:21 29:18 36:4,25 41:14 55:22 56:19 60:16 62:14 63:3 64:3,5 65:6 66:16,21 67:3 69:9,15,24,25 70:14</p>	<p>72:11 73:19 74:5 77:5 78:15 79:1,5 80:12 81:13 85:8 88:16 92:15 104:14 109:23 112:8,23 113:18 115:13 116:6 times 67:6 75:13 102:13 tina 3:18 titled 18:12 today 57:17 today's 55:20 told 57:19 58:22 108:11 109:2 tonight 36:15 80:1 91:20 tony 3:13 8:24 58:22 tony's 58:2 top 39:3 47:16 56:23 66:3,9 topography 98:16 totally 88:4 tough 65:6 tower 14:6 15:24 16:1 17:3,4,9 26:1,2 26:6,20,20 27:8 39:1,3 40:17 46:13 46:15,23,25 47:2,4 47:11,12,17,21 50:16,22 51:15 57:19 62:8,8,24 65:15,18 67:25 68:19 72:19 74:18 75:25 76:7,13 77:10 78:2 81:5 82:8,15 87:6,12 88:3 89:17 94:5 95:25 97:13 101:16 103:12 105:8,9,12,15,20,22 105:23 108:24 towers 17:24 39:10 54:19 57:20 67:18 69:20 70:2 73:8 75:25 76:11 83:10</p>	<p>83:12 90:3 100:5 town 36:14,17 68:24 80:20 81:6 82:10 101:24 towns 67:6 township 1:1 2:5 31:4,23 32:4 35:18 48:19 53:19 72:22 72:23 73:3 78:11 84:1,5 87:18 99:22 99:23 104:18,19,20 township's 30:22,23 31:3 traffic 54:14 71:16 91:25 92:2,8 109:19 transcript 29:21 34:21 35:6,11,14 117:7 transcripts 29:20,23 34:17 translate 88:6 transmission 15:23 91:15 traveled 86:25 treatment 72:19 trees 55:1 57:21 59:17 62:11 68:12 68:14 77:1 tried 34:23 45:16 trillion 77:21 truck 60:10 71:8 109:23 trucks 109:24 true 6:24 32:19 37:1 38:11 58:6 104:7 117:6 truth 65:7 try 115:11,12 trying 62:25 75:10 86:7 95:18 108:22 tsimboukis 3:23 turn 95:1 104:1,9 turned 63:6 turning 40:21</p>	<p>two 6:9,12 7:3,7,21 16:6,18 19:15,16,25 22:19,24 29:9 30:12 31:2 38:21 39:5 47:23 54:13 64:4 68:23 69:17 73:8 75:3,16 78:4 81:16 82:4,4 83:15 85:12 91:2,2 92:6 97:17 102:24 113:16 116:2 type 97:18 typical 20:24 typically 38:15</p> <hr/> <p style="text-align: center;">u</p> <p>u.s. 52:13 ubiquitous 105:6 uc 41:21 ultimate 21:5 24:5 unbalanced 99:25 100:19 underneath 55:3 understand 10:24 13:3 66:17 74:15 85:25 91:8 92:15 108:10 understands 109:25 110:21 uneducated 80:9 unexpert 80:10 uninformed 80:9 uninterrupted 43:2 43:6 unique 98:14 uniquely 96:1 unit 7:24 64:11 united 30:8 35:13 93:2 units 16:18 58:18 university 50:7 unknown 40:3 unmatched 69:6 unnatural 54:10</p>
--	--	---	--

<p>unpaved 59:23 unprepared 86:24 unrefuted 91:14 unwanted 61:1 upcoming 39:1 upgraded 59:16 upgrades 46:11 uprooted 69:11 70:3 upstairs 32:17 upwards 75:21 urge 67:1,12 73:17 use 14:20 17:23 27:17 31:5 34:24 35:4,20 53:3,14 54:8 63:21 64:3,13 66:19 81:8 89:15 90:18 91:21,23 92:11 93:3 94:23 95:10,13,15 96:1 98:1,3 99:11,16,21 100:6,12 103:7 107:24 108:24 111:20 user 73:24 106:15 users 52:10 111:14 uses 100:3,4,6,22 107:4 utilities 103:16 104:12 utility 17:5</p>	<p>81:14,14 variables 68:16 variance 14:20 18:5 22:5 27:17 40:16 51:20 53:3,4,14 89:15,16 91:23 94:23 95:10,15 96:2 97:25 98:22,24 99:10,17 100:9,20 101:1 variances 27:12 30:6,18,19,19 40:6 40:19 54:6,16 61:2 63:7 76:3 89:17 90:18 114:18 varied 20:17 variety 61:8 various 20:3 24:4 90:23 100:3 verdes 33:25 verified 44:19 vermont 69:20 version 74:17 versus 24:10 30:10 33:25 90:13 91:11 99:22 vested 77:17 vicinity 105:15,22 video 43:5,8,17 93:25 videos 43:9 videotaped 43:1 view 50:21 55:1 57:3,11,21,22,24 62:8,9,11 63:9 96:19 104:24 views 63:9,11 vincent 4:16 12:2 24:13 violates 33:9 violation 25:2,3 53:18 violations 95:6 virtue 27:11</p>	<p>visible 56:24 visit 82:2 visited 92:1 vistas 32:15 visual 31:6 35:21 vivona 3:13 voice 106:25 voiced 50:12 vote 67:12 77:15 86:21 87:16 88:7 108:23 112:1,3 113:6</p>	<p>76:7,13 77:9 78:24 81:5 87:5,12 88:3 88:18 94:4 95:25 101:15 103:11 waterline 103:18 way 27:7 40:14 71:11 77:2 92:21 109:20 110:16,18 we've 11:17 15:7 40:23,24 41:4 47:20 48:23 50:8 51:1 57:19 63:2 64:4 67:3 89:16 96:4 103:5 112:18 weather 59:25 60:6 68:16 website 29:22 50:2 70:24 week 14:2 56:14 82:5 weeks 59:12 78:4 87:1 92:2 weigh 96:13 99:7 100:13,17,25 113:18 114:8 weight 91:13 weisgerber 4:23,24 61:6,6,11,18,19,24 62:6,21 67:15 weisgerber's 59:9 weisgerbers 47:3 58:7 71:19 welfare 22:11 42:7 49:13 51:22 98:2,7 went 12:3,10,21 20:12 25:9 29:22 41:7 44:18 59:1 71:7 72:3 75:12 91:14,21 weston 3:14 18:8,21 22:22 82:25 white 44:24 52:3,8 wickham 42:24 48:19</p>
<p>v</p>		<p>w</p>	
<p>value 47:10 60:24 65:7,10 76:5 83:10 83:13,21,23 88:5 91:13 97:5 99:6 values 30:16,24,25 36:16 37:19 39:18 41:6 64:20 71:16,17 73:5,12,15 74:20,21 76:10 77:18 83:6 84:2 85:1,1 86:7 96:6,20 van 5:9 12:3 24:14 36:13 38:6 69:10</p>		<p>w 61:13,21 walked 87:20 walking 46:16 77:3 wall 99:22 walls 111:10 want 25:11 29:14 37:23 52:19 55:5,10 55:25 57:12 60:13 60:19 64:14,21,22 65:8 68:10 70:5 71:22 73:24 77:10 77:11 79:5 87:9,14 87:24,25 94:13 97:8 105:2,3,8 110:4 112:15,24 114:23 wanted 12:5 13:17 22:16 51:12 56:22 59:7 61:25 75:17 79:15 86:14 94:17 wants 112:23 warranted 74:2 washington 82:25 watching 40:13 water 26:5 34:19 39:11 40:17 41:7 46:13,14,23,25 47:2 47:4,12,16 51:15 54:19 59:5,10,11 60:10,11 62:7,8,24 64:23 65:14,18 71:8 72:4,12 73:1 75:25</p>	

<p>wide 102:13 widely 74:12 width 20:17 106:21 wife 61:16 71:5 72:2 81:17 wildlife 33:1 william 3:20 williams 3:16 willing 38:13 80:14 80:15 win 80:11 wind 64:7 window 91:6 111:22 winter 57:18,22 62:9 wireless 1:5 6:6 15:24 18:12 23:6,8 24:22 26:1 33:24 45:3 75:9 92:21,25 93:2,9,10,14 103:15 103:22 104:10,11 104:22,25 105:6 113:25 114:4 wish 88:14 witness 4:4 7:14 8:1 18:24 31:13 41:4,10 77:19 84:8 117:8 witnessed 59:1 witnesses 10:2 28:3 28:22 40:24 58:16 78:8 90:7 women's 81:23 wondered 87:8 woods 42:24 48:19 76:13 77:4 words 50:17 work 29:15 46:9 75:14 103:16 107:18,19 108:1,6,9 109:14,15,17,17,18 110:6,8 worked 41:21,23 45:22 74:20 91:3 92:7</p>	<p>working 36:25 46:1 65:23 world 40:25 83:9 92:22 93:21 worry 38:19 worth 77:21 wrestle 116:3 written 49:13 61:3 84:15 wrong 54:2 77:15 79:20</p> <hr/> <p style="text-align: center;">x</p> <hr/> <p>x 4:2 5:17</p> <hr/> <p style="text-align: center;">y</p> <hr/> <p>y 38:1 yard 58:8 63:16,25 64:2 77:5 89:21,24 90:1 yards 83:19 105:16 yeah 45:13 109:16 114:3 year 55:1 64:12 65:24,24,25 68:15 68:23,25 69:1 79:6 93:11 years 36:25 37:4,5 38:6,11 41:22 46:24 60:21,24 64:5 68:20 70:5 73:23 75:3,4,5 75:6,9,16,22 77:12 77:19 79:15 81:16 93:12 young 4:17 23:18,18 23:25 24:9,12 25:15 40:2 77:16,16 86:18 youtube 43:9 44:7,8 yvonne 52:9</p> <hr/> <p style="text-align: center;">z</p> <hr/> <p>z 7:4,4,18 zone 58:12 67:22 89:14 90:6 99:2,12 99:16 105:9 111:19</p>	<p>zones 90:4,5,11 92:20 zoning 30:10 40:20 58:12 90:13 99:2,12 99:14</p>
--	--	--