

STATE OF VERMONT
DEPARTMENT OF PUBLIC SERVICE
DIVISION OF TELECOMMUNICATIONS AND CONNECTIVITY

2017 VERMONT TELECOMMUNICATIONS PLAN

November 8, 2017
6:30 p.m.

115 Eastern Avenue
St. Johnsbury, Vermont

Public Hearing held before the
Department of Public Service, at the Catamount Arts
Center, 115 Eastern Avenue, St. Johnsbury, Vermont, on
November 8, 2017, beginning at 6:30 p.m.

P R E S E N T

Vermont Department of Public Service:

Clay Purvis, Director of Telecommunications & Connectivity

CAPITOL COURT REPORTERS, INC.
P.O. BOX 329
BURLINGTON, VERMONT 05402-0329
(802) 863-6067
EMAIL: info@capitolcourtreporters.com

I N D E X

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

<u>Speaker</u>	<u>Page</u>
Nicholas Anzalone	3
Michael Birnbaum	5,14
Heather Algier	8
David Snedeker	10
Jane Kitchel	11

1 MR. PURVIS: Hello and welcome. Today
2 is November 8th. It's 6:30 p.m. and we're here today
3 to hold a public hearing on the 10-year
4 Telecommunications Plan. The agenda tonight will be
5 to take testimony from the public on things that --
6 items that should be included or discussed in the
7 Telecommunications Plan.

8 To get started we will lay out some
9 ground rules. Those wishing to speak, please state
10 your name for the record, and please keep your
11 comments to five minutes apiece until everyone who
12 wishes to speak has had a chance to speak. And then
13 if you would like to make a second comment, please
14 come up and make a second comment.

15 So with that, I'll open the floor to
16 anyone who would wish to speak. Nick?

17 MR. ANZALONE: Sure. Very awkward.

18 MR. PURVIS: It is but --

19 MR. ANZALONE: All right. So my name
20 is Nicholas Anzalone, and I live in Ryegate.
21 A-N-Z-A-L-O-N-E. What I want to say -- I have a lot
22 of opinions, but they are going to escape me now. So
23 I would like to say that we are really frustrated by
24 the situation personally, and in Ryegate, I have been
25 waiting 10 years to get something a little bit faster

1 than 1.5 megabits. And it feels like too long. It
2 feels like whatever we are doing is really slow, and
3 I'm really frustrated about it.

4 I want to see if I can do something
5 about it. I've heard a lot of things that may change
6 this opinion. I would really like us to consider
7 treating Internet the way we treat roads or other
8 sort of like things that are for the public good, and
9 for our like public service that need state support
10 in a more intensive way and a more sort of equitable
11 way that sort of spans the entire state including
12 rural areas. If that's really not viable in terms of
13 the politics, I think I would really like to see us
14 pushing to make it -- to lowering the bar, to making
15 it easier for communities to solve their own
16 problems, individuals to solve their own problems,
17 but with education like some sort of like public
18 resource that makes it easy for somebody like myself
19 who literally didn't know anything about this until I
20 got angry enough about it two months ago to look up
21 -- like how can I help myself fix this problem. Who
22 can I reach out to? What are the resources? Who are
23 the companies that have like fiber that are like who
24 can tell me like where those pipelines are. So that
25 I can reach out and try find out for myself like what

1 the -- what a possible solution might be for me and
2 my community.

3 Connected with that, I feel like it
4 might be a good idea to try to prioritize and help
5 communities building centers where high-speed
6 Internet is available. Like there isn't even a
7 public place really where I can go right now that's
8 within easy driving distance of my house where I can
9 go and get a solid connection during the workday and
10 feel like I can perform my normal daily duties that I
11 do remotely. That's it.

12 MR. PURVIS: Thank you. Anyone else
13 like to make a comment? Michael?

14 MR. BIRNBAUM: Up there?

15 MR. PURVIS: Maybe for the cameraman.

16 MR. BIRNBAUM: Sure.

17 MR. PURVIS: Thank you.

18 MR. BIRNBAUM: So my name Michael
19 Birnbaum. B-I-R-N-B-A-U-M. I have a company named
20 Kingdom Fiber that is going to be utilizing state
21 resources in the Northeast Kingdom. It's about 170
22 miles of networks if you include the north link
23 network which is separate still.

24 We're here to address what we would
25 like to see in the 10-year plan. And so the 10-year

1 plan ought to have some audacious goals and some
2 pragmatic achievable goals. And I didn't come here
3 intending to tell you what the right ones are. But I
4 do think that the plan ought to make distinctions
5 between what are aspirational and what are achievable
6 goals in 10 years, in terms of the amount of
7 bandwidth that ought to be delivered to every
8 location, in terms of how government and the private
9 sector separately and as partners can achieve those
10 goals.

11 My experience as an Internet provider
12 with my wireless company which is separate has been
13 that the cooperation between government and private
14 sectors is fraught. The larger companies are very
15 skittish around regulators, and regulators are
16 anxious to encourage those larger companies to open
17 up, open up their resources, share them, sell them,
18 lease them. If they are, I'm sure that the
19 Department of Public Service would love to have the
20 right to tell a large company you need to share your
21 resources, you can be compensated for it, but you
22 need to share them. But I know that the Department
23 has no leg to stand on because there are federal
24 rules and state rules and that prevent them from
25 regulating these companies in that way. So I know

1 that there is lots of fiber.

2 MEMBER OF THE PUBLIC: Is your mic on?
3 Is there a switch on the bottom?

4 MR. BIRNBAUM: Maybe I wasn't holding
5 it high enough. Can you hear me all right back
6 there? Sorry.

7 I don't have an answer to that
8 question, but I'm sure that that's an important one
9 to the Department. And so in the meantime, in order
10 to achieve let's say a goal of 100 megabits per
11 second at every home and business in the state, which
12 I believe is one of the goals that the state has had
13 for a little while now, that can be achieved with
14 both fiber and it can be achieved with fixed
15 wireless. It's a very expensive goal. State
16 taxpayers; so we all want it. It's like mom and
17 apple pie. We all believe it should be provided like
18 roads and electricity and water. But the problem is
19 we don't have the funds to support that idea. And
20 the state can either double our taxes to get those
21 funds or hope that there is going to be federal
22 stimulus money to support that kind of expansion.

23 So I don't -- I guess the only thing I
24 can say about the 10-year plan is that it ought to be
25 pragmatic looking at the resources that are

1 available, and also state the aspirational goal in
2 case federal funds can be made available. I guess
3 that's enough for now. Do you want me to describe
4 the project I'm doing? I can do that. But --

5 MR. PURVIS: Sure.

6 MR. BIRNBAUM: But I'm addressing the
7 10-year plan.

8 MR. PURVIS: Your call. Your
9 testimony.

10 MR. BIRNBAUM: I'm happy to have
11 publicity.

12 MR. PURVIS: Sure.

13 MR. BIRNBAUM: So Kingdom Fiber is a
14 new venture. And it's going to serve the 22 towns
15 that the Northeast Kingdom dark fiber network
16 traverses through including the north link network
17 which is kind of in the middle of it. And it's
18 launching at the end of the winter after the
19 Craftsbury municipal dark fiber network is completed.
20 And I guess that's all the prepublicity I'll claim
21 here. You can check it out on Kingdomfiber.com.

22 MS. ALGIER: Can I ask a question?
23 Heather Algier from Ryegate. So what segment of the
24 Northeast Kingdom -- so it just the includes around
25 Craftsbury?

1 MR. BIRNBAUM: No.

2 MS. KITCHEL: Norton.

3 MR. BIRNBAUM: You may not have heard
4 Clay describing the network.

5 MS. ALGIER: No, I heard that.

6 MR. BIRNBAUM: It starts in Hardwick,
7 goes up to Newport, out to North Troy. East all the
8 way to Bloomfield. It also goes up to Derby Line.
9 And then from Bloomfield it goes a loop, Canaan north
10 and down.

11 MS. ALGIER: So that what you're
12 offering --

13 MR. BIRNBAUM: And also down to
14 Guilford in the Connecticut River Valley. So we are
15 going to light all of that fiber.

16 MS. ALGIER: Okay.

17 MR. BIRNBAUM: And we are going to
18 light the fiber in Craftsbury.

19 MS. ALGIER: Okay.

20 MR. BIRNBAUM: And we intend to extend
21 into other towns in the same way that Craftsbury is
22 getting extensions, so that ultimately it will grow.
23 And --

24 MS. ALGIER: I mean what could the
25 build out look like for that?

1 MS. KITCHEL: Would it include Ryegate?

2 MS. ALGIER: Yes. Would it include --
3 be St. Johnsbury.

4 MR. BIRNBAUM: So the whole corridor
5 Burke, Lyndonville, St. Johnsbury, Ryegate is not in
6 the picture for our project because there is no fiber
7 anywhere near that we can access, and if we were to
8 build it ourselves it would be prohibitively
9 expensive in the near term. But in the long term,
10 anything is possible.

11 MR. PURVIS: Okay. Thank you, Michael.

12 MR. BIRNBAUM: Okay.

13 MR. PURVIS: Anyone else who would like
14 to speak? Senator Kitchel? Or David. Okay. Thank
15 you.

16 MR. SNEDEKER: David Snedeker.
17 S-N-E-D-E-K-E-R. And I work with the Regional
18 Planning and Development Corporation for the
19 Northeast Kingdom. I'm also on -- Clay shared -- on
20 the connectivity advisory board.

21 Looking at the Telecommunications Plan
22 that we are in the process of updating, I looked
23 through the goals which speak to broadband speed,
24 broadband deployment, affordability, local public
25 content, adoption and usage, mobile service, basic

1 service, enhanced 911, competition and fairness.

2 I think we are falling short on each
3 and every one of those goals. So I think there needs
4 to be some acknowledgment in the plan that more needs
5 to be done. There probably are many reasons why we
6 are not getting to where we need to be, but I think
7 it's an important part of rural economic development
8 and just rural community development. So having that
9 acknowledgment in the plan is important.

10 I also think that I'm glad to hear that
11 Michael's group is taking up the north link dark
12 fiber assets. That's been basically idle with the
13 exception of a few strands that were leased for a few
14 years. And there was a lot of promise when that
15 project went in years ago, which has basically been
16 unfulfilled, so those are my comments. If the state
17 can help facilitate that, that would be great.

18 MR. PURVIS: Thank you very much.

19 Thank you so much.

20 MS. KITCHEL: I'm Jane Kitchel. K-I-T-
21 C-H-E-L. I'm the state senator for Caledonia and a
22 third of Orange County. And I think if there is
23 anything we hear is the importance of broadband
24 availability as part of really our economic vitality.
25 And we recognize that rural and very disperse

1 populations are very difficult.

2 I would agree with some of the other
3 comments. I think a lot of political rhetoric has
4 been thrown out that's created expectations, but the
5 resources and the money has not really been honestly
6 described. So that people would say this is what has
7 been the goal of the last three Governors. Why isn't
8 it here?

9 So the other question I have is a
10 10-year plan is a long-time plan in the life of
11 technology in a very changing world. And so I, you
12 know, I hope that there is some ability to make a
13 plan as dynamic, I think, as a technical landscape
14 that is going to be ahead of us and things that we
15 may not have even thought about.

16 But I would just like to say that if
17 there is anything the Northeast Kingdom and for
18 people who want to stay in this area certainly
19 telecommuting is an important consideration. We know
20 that there are jobs available in other parts of the
21 state. But we really place a high priority on the
22 vitality, and the economic viability of our area.
23 And so the work that goes into the plan, I do think
24 we need to be realistic about our goals. I don't
25 think we have been in the past. I think expectations

1 have been set too high, and when you do that, people
2 get frustrated; they get angry.

3 The other thing is being pragmatic and
4 being as nimble as we need to be, which sometimes
5 it's difficult for government, or when we are dealing
6 with regulated entities as well, which broadband is
7 not.

8 The other thing I would simply say is I
9 think I speak on behalf of all legislators that
10 broadband is a priority, as was mentioned, we are a
11 little state, and the price tag is pretty enormous if
12 we were to get to that optimum level. So I think we
13 do have to be pragmatic in terms of what we can do,
14 and be strategic about what we do do. And I'm not
15 sure that that in fact has been the case.

16 We had a lot of ARRA money that came
17 into the state. And I'm not sure that we are at a
18 place that we hope to be. So I want this plan to be
19 something that doesn't collect dust. That in fact,
20 can be used and have utility, and that can be
21 modified as we go along.

22 So appreciate your willingness to come
23 out and hear from people and what's on their minds.
24 Thank you.

25 MR. PURVIS: Thank you very much.

1 Anyone else? All right. The time is 6:46. And we
2 have taken testimony from everyone present who wishes
3 to -- wished to speak. So I think that we can
4 adjourn.

5 MR. BIRNBAUM: Can I speak again?

6 MR. PURVIS: Sure.

7 MR. BIRNBAUM: Okay.

8 MR. PURVIS: I take that back. We will
9 have one last comment.

10 MR. BIRNBAUM: I miss the VTA. The
11 Vermont Telecommunications Authority made some
12 mistakes in its early days and did a lot of good in
13 its later days. And the legislature mothballed it
14 and entrusted the Department of Public Service to
15 take over those functions, which has in -- and the
16 Department has some very well meaning, talented
17 people, including Clay here. But the Department is a
18 regulating agency. And it's been very difficult, it
19 seems to me, for the connectivity initiative which is
20 what the new function was named, to aggressively and
21 creatively respond to the needs of the state. And I
22 personally am a recipient of a grant from that
23 initiative, so I'm -- I don't think it's all bad by
24 any means. But I think having it an agency or
25 authority like the VTA used to be is something that

1 should be revisited.

2 I understand from someone that the VTA
3 is very reluctant to manage the fiber resources it
4 was entrusted with. And is not -- for example, the
5 north link network, which has been offered to the
6 Department, but if that was an independent agency
7 perhaps that resource could be managed. And so I
8 think that those who are making the 10-year plan
9 should at least address the possibility that a
10 recommendation to the legislature be made to move the
11 functionality of telecom planning as opposed to
12 telecom regulation be moved out of the Department.
13 Thank you.

14 MR. PURVIS: All right. Anyone else?
15 Well it's now 6:48, and so I think that this
16 concludes this hearing. Thank you very much.

17 (Whereupon, the proceeding was
18 adjourned at 6:48 p.m.)
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 I O N

I certify that the foregoing is a correct transcript from the record of proceedings in the above-entitled matter.

A rectangular box containing a handwritten signature in cursive script that reads "Kim U. Lewis". The signature is written in dark ink on a light-colored background.

0	achievable [2] - Vol. 1 - 6:2, 6:5 achieve [2] - Vol. 1 - 6:9, 7:10 achieved [2] - Vol. 1 - 7:13, 7:14 acknowledgment [2] - Vol. 1 - 11:4, 11:9 address [2] - Vol. 1 - 5:24, 15:9 addressing Vol. 1 - 8:6 adjourn Vol. 1 - 14:4 adjourned Vol. 1 - 15:18 adoption Vol. 1 - 10:25 advisory Vol. 1 - 10:20 affordability Vol. 1 - 10:24 agency [3] - Vol. 1 - 14:18, 14:24, 15:6 agenda Vol. 1 - 3:4 aggressively Vol. 1 - 14:20 agree Vol. 1 - 12:2 ahead Vol. 1 - 12:14 Algier [9] - Vol. 1 - 2:4, 8:22, 8:23, 9:5, 9:11, 9:16, 9:19, 9:24, 10:2 amount Vol. 1 - 6:6 angry [2] - Vol. 1 - 4:20, 13:2 anxious Vol. 1 - 6:16 Anzalone [4] - Vol. 1 - 2:3, 3:17, 3:19, 3:20 apiece Vol. 1 - 3:11 apple Vol. 1 - 7:17 appreciate Vol. 1 - 13:22 areas Vol. 1 - 4:12 ARRA Vol. 1 - 13:16 Arts Vol. 1 - 1:12 aspirational [2] - Vol. 1 - 6:5, 8:1 assets Vol. 1 - 11:12 audacious Vol. 1 - 6:1 authority [2] - Vol. 1 - 14:11,	14:25 availability Vol. 1 - 11:24 available [4] - Vol. 1 - 5:6, 8:1, 8:2, 12:20 Avenue [2] - Vol. 1 - 1:8, 1:13 awkward Vol. 1 - 3:17	B	B-I-R-N-B-A-U-M Vol. 1 - 5:19 bad Vol. 1 - 14:23 bandwidth Vol. 1 - 6:7 bar Vol. 1 - 4:14 basic Vol. 1 - 10:25 basically [2] - Vol. 1 - 11:12, 11:15 beginning Vol. 1 - 1:13 behalf Vol. 1 - 13:9 Birbaum [20] - Vol. 1 - 2:4, 5:14, 5:16, 5:18, 5:19, 7:4, 8:6, 8:10, 8:13, 9:1, 9:3, 9:6, 9:13, 9:17, 9:20, 10:4, 10:12, 14:5, 14:7, 14:10 bit Vol. 1 - 3:25 Bloomfield [2] - Vol. 1 - 9:8, 9:9 board Vol. 1 - 10:20 bottom Vol. 1 - 7:3 BOX Vol. 1 - 1:22 broadband [5] - Vol. 1 - 10:23, 10:24, 11:23, 13:6, 13:10 build [2] - Vol. 1 - 9:25, 10:8 building Vol. 1 - 5:5 Burke Vol. 1 - 10:5 BURLINGTON Vol. 1 - 1:23	1:22 case [2] - Vol. 1 - 8:2, 13:15 Catamount Vol. 1 - 1:12 Center Vol. 1 - 1:13 centers Vol. 1 - 5:5 certainly Vol. 1 - 12:18 certify Vol. 1 - 16:4 chance Vol. 1 - 3:12 change Vol. 1 - 4:5 changing Vol. 1 - 12:11 check Vol. 1 - 8:21 claim Vol. 1 - 8:20 Clay [4] - Vol. 1 - 1:18, 9:4, 10:19, 14:17 collect Vol. 1 - 13:19 comment [4] - Vol. 1 - 3:13, 3:14, 5:13, 14:9 comments [3] - Vol. 1 - 3:11, 11:16, 12:3 communities [2] - Vol. 1 - 4:15, 5:5 community [2] - Vol. 1 - 5:2, 11:8 companies [4] - Vol. 1 - 4:23, 6:14, 6:16, 6:25 company [3] - Vol. 1 - 5:19, 6:12, 6:20 compensated Vol. 1 - 6:21 competition Vol. 1 - 11:1 completed Vol. 1 - 8:19 concludes Vol. 1 - 15:16 Connected Vol. 1 - 5:3 Connecticut Vol. 1 - 9:14 connection Vol. 1 - 5:9 connectivity [4] - Vol. 1 - 1:2, 1:18, 10:20, 14:19 consider Vol. 1 - 4:6 consideration Vol. 1 - 12:19 content Vol. 1 - 10:25 cooperation	Vol. 1 - 6:13 Corporation Vol. 1 - 10:18 correct Vol. 1 - 16:4 corridor Vol. 1 - 10:4 County Vol. 1 - 11:22 COURT Vol. 1 - 1:22 Craftsbury [4] - Vol. 1 - 8:19, 8:25, 9:18, 9:21 created Vol. 1 - 12:4 creatively Vol. 1 - 14:21	D	daily Vol. 1 - 5:10 dark [3] - Vol. 1 - 8:15, 8:19, 11:11 David [3] - Vol. 1 - 2:5, 10:14, 10:16 dealing Vol. 1 - 13:5 delivered Vol. 1 - 6:7 Department [11] - Vol. 1 - 1:1, 1:12, 1:17, 6:19, 6:22, 7:9, 14:14, 14:16, 14:17, 15:6, 15:12 deployment Vol. 1 - 10:24 Derby Vol. 1 - 9:8 describe Vol. 1 - 8:3 described Vol. 1 - 12:6 describing Vol. 1 - 9:4 development [3] - Vol. 1 - 10:18, 11:7, 11:8 difficult [3] - Vol. 1 - 12:1, 13:5, 14:18 Director Vol. 1 - 1:18 discussed Vol. 1 - 3:6 disperse Vol. 1 - 11:25 distance Vol. 1 - 5:8 distinctions Vol. 1 - 6:4 DIVISION Vol. 1 - 1:2 double Vol. 1 - 7:20 driving Vol. 1 - 5:8 dust Vol. 1 -	13:19 duties Vol. 1 - 5:10 dynamic Vol. 1 - 12:13	E	easier Vol. 1 - 4:15 East Vol. 1 - 9:7 Eastern [2] - Vol. 1 - 1:8, 1:13 easy [2] - Vol. 1 - 4:18, 5:8 economic [3] - Vol. 1 - 11:7, 11:24, 12:22 education Vol. 1 - 4:17 either Vol. 1 - 7:20 electricity Vol. 1 - 7:18 EMAIL Vol. 1 - 1:24 encourage Vol. 1 - 6:16 enhanced Vol. 1 - 11:1 enormous Vol. 1 - 13:11 entire Vol. 1 - 4:11 entities Vol. 1 - 13:6 entrusted [2] - Vol. 1 - 14:14, 15:4 equitable Vol. 1 - 4:10 escape Vol. 1 - 3:22 everyone [2] - Vol. 1 - 3:11, 14:2 example Vol. 1 - 15:4 exception Vol. 1 - 11:13 expansion Vol. 1 - 7:22 expectations [2] - Vol. 1 - 12:4, 12:25 expensive [2] - Vol. 1 - 7:15, 10:9 experience Vol. 1 - 6:11 extend Vol. 1 - 9:20 extensions Vol. 1 - 9:22				
1	1.5 Vol. 1 - 4:1 10 [3] - Vol. 1 - 2:5, 3:25, 6:6 10-year [7] - Vol. 1 - 3:3, 5:25, 5:25, 7:24, 8:7, 12:10, 15:8 100 Vol. 1 - 7:10 11 Vol. 1 - 2:5 115 [2] - Vol. 1 - 1:8, 1:13 170 Vol. 1 - 5:21	2	2017 [3] - Vol. 1 - 1:3, 1:6, 1:13 22 Vol. 1 - 8:14	3	3 Vol. 1 - 2:3 329 Vol. 1 - 1:22	5	5,14 Vol. 1 - 2:4	6	6:30 [3] - Vol. 1 - 1:7, 1:13, 3:2 6:46 Vol. 1 - 14:1 6:48 [2] - Vol. 1 - 15:15, 15:18	8	8 [3] - Vol. 1 - 1:6, 1:13, 2:4 802 Vol. 1 - 1:23 863-6067 Vol. 1 - 1:23 8th Vol. 1 - 3:2	9	911 Vol. 1 - 11:1	A	A-N-Z-A-L-O-N-E Vol. 1 - 3:21 ability Vol. 1 - 12:12 above-entitled Vol. 1 - 16:6 access Vol. 1 - 10:7

<p style="text-align: center;">F</p> <p>facilitate Vol. 1 - 11:17 fairness Vol. 1 - 11:1 falling Vol. 1 - 11:2 faster Vol. 1 - 3:25 federal [3] - Vol. 1 - 6:23, 7:21, 8:2 feel [2] - Vol. 1 - 5:3, 5:10 feels [2] - Vol. 1 - 4:1, 4:2 fiber [12] - Vol. 1 - 4:23, 5:20, 7:1, 7:14, 8:13, 8:15, 8:19, 9:15, 9:18, 10:6, 11:12, 15:3 five Vol. 1 - 3:11 fix Vol. 1 - 4:21 fixed Vol. 1 - 7:14 floor Vol. 1 - 3:15 foregoing Vol. 1 - 16:4 fraught Vol. 1 - 6:14 frustrated [3] - Vol. 1 - 3:23, 4:3, 13:2 function Vol. 1 - 14:20 functionality Vol. 1 - 15:11 functions Vol. 1 - 14:15 funds [3] - Vol. 1 - 7:19, 7:21, 8:2</p>	<p>guess [3] - Vol. 1 - 7:23, 8:2, 8:20 Guilford Vol. 1 - 9:14</p> <p style="text-align: center;">H</p> <p>happy Vol. 1 - 8:10 Hardwick Vol. 1 - 9:6 having [2] - Vol. 1 - 11:8, 14:24 hear [4] - Vol. 1 - 7:5, 11:10, 11:23, 13:23 heard [3] - Vol. 1 - 4:5, 9:3, 9:5 hearing [3] - Vol. 1 - 1:12, 3:3, 15:16 Heather [2] - Vol. 1 - 2:4, 8:23 held Vol. 1 - 1:12 Hello Vol. 1 - 3:1 high-speed Vol. 1 - 5:5 hold Vol. 1 - 3:3 holding Vol. 1 - 7:4 honestly Vol. 1 - 12:5 hope [3] - Vol. 1 - 7:21, 12:12, 13:18</p>	<p>Internet [3] - Vol. 1 - 4:7, 5:6, 6:11 isn't [2] - Vol. 1 - 5:6, 12:7 items Vol. 1 - 3:6</p> <p style="text-align: center;">J</p> <p>Jane [2] - Vol. 1 - 2:5, 11:20 jobs Vol. 1 - 12:20 Johnsbury [4] - Vol. 1 - 1:9, 1:13, 10:3, 10:5</p> <p style="text-align: center;">K</p> <p>K-I-T Vol. 1 - 11:20 Kingdom [7] - Vol. 1 - 5:20, 5:21, 8:13, 8:15, 8:24, 10:19, 12:17 Kingdomfiber.com Vol. 1 - 8:21 Kitchel [6] - Vol. 1 - 2:5, 9:2, 10:1, 10:14, 11:20, 11:20</p> <p style="text-align: center;">L</p> <p>landscape Vol. 1 - 12:13 larger [2] - Vol. 1 - 6:14, 6:16 later Vol. 1 - 14:13 launching Vol. 1 - 8:18 lay Vol. 1 - 3:8 lease Vol. 1 - 6:18 leased Vol. 1 - 11:13 least Vol. 1 - 15:9 leg Vol. 1 - 6:23 legislators Vol. 1 - 13:9 legislature [2] - Vol. 1 - 14:13, 15:10 let's Vol. 1 - 7:10 level Vol. 1 - 13:12 link [4] - Vol. 1 - 5:22, 8:16, 11:11, 15:5 literally Vol. 1 - 4:19 local Vol. 1 - 10:24 location Vol. 1 - 6:8 long-time Vol. 1 -</p>	<p>12:10 looking [2] - Vol. 1 - 7:25, 10:21 loop Vol. 1 - 9:9 lots Vol. 1 - 7:1 love Vol. 1 - 6:19 lowering Vol. 1 - 4:14 Lyndonville Vol. 1 - 10:5</p> <p style="text-align: center;">M</p> <p>makes Vol. 1 - 4:18 making [2] - Vol. 1 - 4:14, 15:8 manage Vol. 1 - 15:3 managed Vol. 1 - 15:7 matter Vol. 1 - 16:6 Maybe [2] - Vol. 1 - 5:15, 7:4 meaning Vol. 1 - 14:16 means Vol. 1 - 14:24 meantime Vol. 1 - 7:9 megabits [2] - Vol. 1 - 4:1, 7:10 MEMBER Vol. 1 - 7:2 mentioned Vol. 1 - 13:10 mic Vol. 1 - 7:2 Michael [4] - Vol. 1 - 2:4, 5:13, 5:18, 10:11 Michael's Vol. 1 - 11:11 middle Vol. 1 - 8:17 miles Vol. 1 - 5:22 minds Vol. 1 - 13:23 minutes Vol. 1 - 3:11 miss Vol. 1 - 14:10 mistakes Vol. 1 - 14:12 mobile Vol. 1 - 10:25 modified Vol. 1 - 13:21 mom Vol. 1 - 7:16 money [3] - Vol. 1 - 7:22, 12:5, 13:16 months Vol. 1 - 4:20 mothballed Vol. 1 - 14:13</p>	<p>move Vol. 1 - 15:10 moved Vol. 1 - 15:12 municipal Vol. 1 - 8:19 myself [3] - Vol. 1 - 4:18, 4:21, 4:25</p> <p style="text-align: center;">N</p> <p>named [2] - Vol. 1 - 5:19, 14:20 needs [3] - Vol. 1 - 11:3, 11:4, 14:21 network [6] - Vol. 1 - 5:23, 8:15, 8:16, 8:19, 9:4, 15:5 networks Vol. 1 - 5:22 Newport Vol. 1 - 9:7 Nicholas [2] - Vol. 1 - 2:3, 3:20 Nick Vol. 1 - 3:16 nimble Vol. 1 - 13:4 normal Vol. 1 - 5:10 north [6] - Vol. 1 - 5:22, 8:16, 9:7, 9:9, 11:11, 15:5 Northeast [5] - Vol. 1 - 5:21, 8:15, 8:24, 10:19, 12:17 Norton Vol. 1 - 9:2 November [3] - Vol. 1 - 1:6, 1:13, 3:2</p>	<p style="text-align: center;">P</p> <p>p.m [4] - Vol. 1 - 1:7, 1:13, 3:2, 15:18 P.O Vol. 1 - 1:22 partners Vol. 1 - 6:9 past Vol. 1 - 12:25 per Vol. 1 - 7:10 perform Vol. 1 - 5:10 perhaps Vol. 1 - 15:7 personally [2] - Vol. 1 - 3:24, 14:22 pie Vol. 1 - 7:17 pipelines Vol. 1 - 4:24 plan [17] - Vol. 1 - 1:3, 3:4, 3:7, 5:25, 6:1, 6:4, 7:24, 8:7, 10:21, 11:4, 11:9, 12:10, 12:10, 12:13, 12:23, 13:18, 15:8 planning [2] - Vol. 1 - 10:18, 15:11 please [3] - Vol. 1 - 3:9, 3:10, 3:13 political Vol. 1 - 12:3 politics Vol. 1 - 4:13 populations Vol. 1 - 12:1 possibility Vol. 1 - 15:9 possible [2] - Vol. 1 - 5:1, 10:10 pragmatic [4] - Vol. 1 - 6:2, 7:25, 13:3, 13:13 prepublicity Vol. 1 - 8:20 present Vol. 1 - 14:2 prevent Vol. 1 - 6:24 price Vol. 1 - 13:11 prioritize Vol. 1 - 5:4 priority [2] - Vol. 1 - 12:21, 13:10 private [2] - Vol. 1 - 6:8, 6:13 probably Vol. 1 - 11:5 problem [2] - Vol. 1 - 4:21, 7:18</p>
<p style="text-align: center;">G</p> <p>glad Vol. 1 - 11:10 goal [4] - Vol. 1 - 7:10, 7:15, 8:1, 12:7 goals [8] - Vol. 1 - 6:1, 6:2, 6:6, 6:10, 7:12, 10:23, 11:3, 12:24 goes [4] - Vol. 1 - 9:7, 9:8, 9:9, 12:23 government [3] - Vol. 1 - 6:8, 6:13, 13:5 Governors Vol. 1 - 12:7 grant Vol. 1 - 14:22 ground Vol. 1 - 3:9 group Vol. 1 - 11:11 grow Vol. 1 - 9:22</p>	<p style="text-align: center;">I</p> <p>idea [2] - Vol. 1 - 5:4, 7:19 idle Vol. 1 - 11:12 importance Vol. 1 - 11:23 include [3] - Vol. 1 - 5:22, 10:1, 10:2 included Vol. 1 - 3:6 includes Vol. 1 - 8:24 including [3] - Vol. 1 - 4:11, 8:16, 14:17 independent Vol. 1 - 15:6 individuals Vol. 1 - 4:16 info@capitolcour Vol. 1 - 1:24 initiative [2] - Vol. 1 - 14:19, 14:23 intend Vol. 1 - 9:20 intending Vol. 1 - 6:3 intensive Vol. 1 - 4:10</p>	<p>land Vol. 1 - 12:13 larger [2] - Vol. 1 - 6:14, 6:16 later Vol. 1 - 14:13 launching Vol. 1 - 8:18 lay Vol. 1 - 3:8 lease Vol. 1 - 6:18 leased Vol. 1 - 11:13 least Vol. 1 - 15:9 leg Vol. 1 - 6:23 legislators Vol. 1 - 13:9 legislature [2] - Vol. 1 - 14:13, 15:10 let's Vol. 1 - 7:10 level Vol. 1 - 13:12 link [4] - Vol. 1 - 5:22, 8:16, 11:11, 15:5 literally Vol. 1 - 4:19 local Vol. 1 - 10:24 location Vol. 1 - 6:8 long-time Vol. 1 -</p>	<p>mentioned Vol. 1 - 13:10 mic Vol. 1 - 7:2 Michael [4] - Vol. 1 - 2:4, 5:13, 5:18, 10:11 Michael's Vol. 1 - 11:11 middle Vol. 1 - 8:17 miles Vol. 1 - 5:22 minds Vol. 1 - 13:23 minutes Vol. 1 - 3:11 miss Vol. 1 - 14:10 mistakes Vol. 1 - 14:12 mobile Vol. 1 - 10:25 modified Vol. 1 - 13:21 mom Vol. 1 - 7:16 money [3] - Vol. 1 - 7:22, 12:5, 13:16 months Vol. 1 - 4:20 mothballed Vol. 1 - 14:13</p>	<p style="text-align: center;">O</p> <p>offered Vol. 1 - 15:5 offering Vol. 1 - 9:12 ones Vol. 1 - 6:3 open [3] - Vol. 1 - 3:15, 6:16, 6:17 opinion Vol. 1 - 4:6 opinions Vol. 1 - 3:22 opposed Vol. 1 - 15:11 optimum Vol. 1 - 13:12 Orange Vol. 1 - 11:22 order Vol. 1 - 7:9 ought [4] - Vol. 1 - 6:1, 6:4, 6:7, 7:24 ourselves Vol. 1 - 10:8</p>	<p>planning [2] - Vol. 1 - 10:18, 15:11 please [3] - Vol. 1 - 3:9, 3:10, 3:13 political Vol. 1 - 12:3 politics Vol. 1 - 4:13 populations Vol. 1 - 12:1 possibility Vol. 1 - 15:9 possible [2] - Vol. 1 - 5:1, 10:10 pragmatic [4] - Vol. 1 - 6:2, 7:25, 13:3, 13:13 prepublicity Vol. 1 - 8:20 present Vol. 1 - 14:2 prevent Vol. 1 - 6:24 price Vol. 1 - 13:11 prioritize Vol. 1 - 5:4 priority [2] - Vol. 1 - 12:21, 13:10 private [2] - Vol. 1 - 6:8, 6:13 probably Vol. 1 - 11:5 problem [2] - Vol. 1 - 4:21, 7:18</p>

<p>problems [2] - Vol. 1 - 4:16, 4:16</p> <p>proceeding Vol. 1 - 15:17</p> <p>proceedings Vol. 1 - 16:5</p> <p>process Vol. 1 - 10:22</p> <p>prohibitively Vol. 1 - 10:8</p> <p>project [3] - Vol. 1 - 8:4, 10:6, 11:15</p> <p>promise Vol. 1 - 11:14</p> <p>provided Vol. 1 - 7:17</p> <p>provider Vol. 1 - 6:11</p> <p>public [14] - Vol. 1 - 1:1, 1:12, 1:12, 1:17, 3:3, 3:5, 4:8, 4:9, 4:17, 5:7, 6:19, 7:2, 10:24, 14:14</p> <p>publicity Vol. 1 - 8:11</p> <p>Purvis [16] - Vol. 1 - 1:18, 3:1, 3:18, 5:12, 5:15, 5:17, 8:5, 8:8, 8:12, 10:11, 10:13, 11:18, 13:25, 14:6, 14:8, 15:14</p> <p>pushing Vol. 1 - 4:14</p> <hr/> <p style="text-align: center;">R</p> <hr/> <p>reach [2] - Vol. 1 - 4:22, 4:25</p> <p>realistic Vol. 1 - 12:24</p> <p>really [10] - Vol. 1 - 3:23, 4:2, 4:3, 4:6, 4:12, 4:13, 5:7, 11:24, 12:5, 12:21</p> <p>reasons Vol. 1 - 11:5</p> <p>recipient Vol. 1 - 14:22</p> <p>recognize Vol. 1 - 11:25</p> <p>recommendation Vol. 1 - 15:10</p> <p>record [2] - Vol. 1 - 3:10, 16:5</p> <p>Regional Vol. 1 - 10:17</p> <p>regulated Vol. 1 - 13:6</p> <p>regulating [2] - Vol. 1 - 6:25, 14:18</p> <p>regulation Vol. 1 - 15:12</p>	<p>regulators [2] - Vol. 1 - 6:15, 6:15</p> <p>reluctant Vol. 1 - 15:3</p> <p>remotely Vol. 1 - 5:11</p> <p>REPORTERS Vol. 1 - 1:22</p> <p>resource [2] - Vol. 1 - 4:18, 15:7</p> <p>resources [7] - Vol. 1 - 4:22, 5:21, 6:17, 6:21, 7:25, 12:5, 15:3</p> <p>respond Vol. 1 - 14:21</p> <p>revisited Vol. 1 - 15:1</p> <p>rhetoric Vol. 1 - 12:3</p> <p>River Vol. 1 - 9:14</p> <p>roads [2] - Vol. 1 - 4:7, 7:18</p> <p>rules [3] - Vol. 1 - 3:9, 6:24, 6:24</p> <p>rural [4] - Vol. 1 - 4:12, 11:7, 11:8, 11:25</p> <p>Ryegate [5] - Vol. 1 - 3:20, 3:24, 8:23, 10:1, 10:5</p> <hr/> <p style="text-align: center;">S</p> <hr/> <p>S-N-E-D-E-K-E-R Vol. 1 - 10:17</p> <p>sector Vol. 1 - 6:9</p> <p>sectors Vol. 1 - 6:14</p> <p>seems Vol. 1 - 14:19</p> <p>segment Vol. 1 - 8:23</p> <p>senator [2] - Vol. 1 - 10:14, 11:21</p> <p>separate [2] - Vol. 1 - 5:23, 6:12</p> <p>separately Vol. 1 - 6:9</p> <p>serve Vol. 1 - 8:14</p> <p>service [8] - Vol. 1 - 1:1, 1:12, 1:17, 4:9, 6:19, 10:25, 11:1, 14:14</p> <p>share [3] - Vol. 1 - 6:17, 6:20, 6:22</p> <p>shared Vol. 1 - 10:19</p> <p>short Vol. 1 - 11:2</p>	<p>simply Vol. 1 - 13:8</p> <p>situation Vol. 1 - 3:24</p> <p>skittish Vol. 1 - 6:15</p> <p>slow Vol. 1 - 4:2</p> <p>Snedeker [3] - Vol. 1 - 2:5, 10:16, 10:16</p> <p>solid Vol. 1 - 5:9</p> <p>solution Vol. 1 - 5:1</p> <p>solve [2] - Vol. 1 - 4:15, 4:16</p> <p>somebody Vol. 1 - 4:18</p> <p>someone Vol. 1 - 15:2</p> <p>Sorry Vol. 1 - 7:6</p> <p>sort [4] - Vol. 1 - 4:8, 4:10, 4:11, 4:17</p> <p>spans Vol. 1 - 4:11</p> <p>speak [9] - Vol. 1 - 3:9, 3:12, 3:12, 3:16, 10:14, 10:23, 13:9, 14:3, 14:5</p> <p>Speaker Vol. 1 - 2:2</p> <p>speed Vol. 1 - 10:23</p> <p>St [4] - Vol. 1 - 1:9, 1:13, 10:3, 10:5</p> <p>stand Vol. 1 - 6:23</p> <p>started Vol. 1 - 3:8</p> <p>starts Vol. 1 - 9:6</p> <p>state [17] - Vol. 1 - 1:1, 3:9, 4:9, 4:11, 5:20, 6:24, 7:11, 7:12, 7:15, 7:20, 8:1, 11:16, 11:21, 12:21, 13:11, 13:17, 14:21</p> <p>stay Vol. 1 - 12:18</p> <p>stimulus Vol. 1 - 7:22</p> <p>strands Vol. 1 - 11:13</p> <p>strategic Vol. 1 - 13:14</p> <p>support [3] - Vol. 1 - 4:9, 7:19, 7:22</p> <p>switch Vol. 1 - 7:3</p> <hr/> <p style="text-align: center;">T</p> <hr/> <p>tag Vol. 1 - 13:11</p> <p>taken Vol. 1 - 14:2</p>	<p>taking Vol. 1 - 11:11</p> <p>talented Vol. 1 - 14:16</p> <p>taxes Vol. 1 - 7:20</p> <p>taxpayers Vol. 1 - 7:16</p> <p>technical Vol. 1 - 12:13</p> <p>technology Vol. 1 - 12:11</p> <p>telecom [2] - Vol. 1 - 15:11, 15:12</p> <p>Telecommunicatio [7] - Vol. 1 - 1:2, 1:3, 1:18, 3:4, 3:7, 10:21, 14:11</p> <p>telecommuting Vol. 1 - 12:19</p> <p>term [2] - Vol. 1 - 10:9, 10:9</p> <p>terms [4] - Vol. 1 - 4:12, 6:6, 6:8, 13:13</p> <p>testimony [3] - Vol. 1 - 3:5, 8:9, 14:2</p> <p>Thank [10] - Vol. 1 - 5:12, 5:17, 10:11, 10:14, 11:18, 11:19, 13:24, 13:25, 15:13, 15:16</p> <p>thing [3] - Vol. 1 - 7:23, 13:3, 13:8</p> <p>third Vol. 1 - 11:22</p> <p>thrown Vol. 1 - 12:4</p> <p>today [2] - Vol. 1 - 3:1, 3:2</p> <p>tonight Vol. 1 - 3:4</p> <p>towns [2] - Vol. 1 - 8:14, 9:21</p> <p>transcript Vol. 1 - 16:5</p> <p>traverses Vol. 1 - 8:16</p> <p>treat Vol. 1 - 4:7</p> <p>treating Vol. 1 - 4:7</p> <p>Troy Vol. 1 - 9:7</p> <hr/> <p style="text-align: center;">U</p> <hr/> <p>ultimately Vol. 1 - 9:22</p> <p>understand Vol. 1 - 15:2</p> <p>unfulfilled Vol. 1 - 11:16</p> <p>updating Vol. 1 - 10:22</p> <p>usage Vol. 1 -</p>	<p>10:25</p> <p>utility Vol. 1 - 13:20</p> <p>utilizing Vol. 1 - 5:20</p> <hr/> <p style="text-align: center;">V</p> <hr/> <p>Valley Vol. 1 - 9:14</p> <p>venture Vol. 1 - 8:14</p> <p>Vermont [7] - Vol. 1 - 1:1, 1:3, 1:9, 1:13, 1:17, 1:23, 14:11</p> <p>viability Vol. 1 - 12:22</p> <p>viable Vol. 1 - 4:12</p> <p>vitality [2] - Vol. 1 - 11:24, 12:22</p> <p>VTA [3] - Vol. 1 - 14:10, 14:25, 15:2</p> <hr/> <p style="text-align: center;">W</p> <hr/> <p>waiting Vol. 1 - 3:25</p> <p>we're [2] - Vol. 1 - 3:2, 5:24</p> <p>welcome Vol. 1 - 3:1</p> <p>what's Vol. 1 - 13:23</p> <p>whatever Vol. 1 - 4:2</p> <p>Whereupon Vol. 1 - 15:17</p> <p>whole Vol. 1 - 10:4</p> <p>willingness Vol. 1 - 13:22</p> <p>winter Vol. 1 - 8:18</p> <p>wireless [2] - Vol. 1 - 6:12, 7:15</p> <p>wish Vol. 1 - 3:16</p> <p>wished Vol. 1 - 14:3</p> <p>wishes [2] - Vol. 1 - 3:12, 14:2</p> <p>wishing Vol. 1 - 3:9</p> <p>within Vol. 1 - 5:8</p> <p>workday Vol. 1 - 5:9</p>
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------