

10-13-2021 - Greenidge Generation LLC - WebEx

NEW YORK STATE

DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Public Comment Hearing

APPLICANT: Greenidge Generation LLC
590 Plant Road

P.O. Box 187
Dresden, New York 14441

PERMITS APPLIED FOR:
Article 19 Air Title V Facility (8-5735-00004/00017)
Article 19 Title IV (Phase II Acid Rain) (8-5736-
00004/00017)

DATE: October 13, 2021

TIME: 1:02 p.m. TO 4:29 p.m.

VENUE: WebEx

BEFORE; ALJ LARA OLIVIERI

Reported by Janet Wallravin

1 10-13-2021 - Greenidge Generation LLC - WebEx

2 APPEARANCES:

3 CHRIS HOGAN
4 MARIA KATCHMAR
5 MOLLY MCBRIDE
6 ANDREA LINTON
7 EMMA ANTOLAS
8 JOE BINDER
9 TIM PANASKI
10 EMILY THIEL

11 SPEAKERS:

12 DOUGLAS PADDOCK
13 ANNA KELLES
14
15 KEN CAMERA
16 MICHAEL LAUSELL
17 RICK WILSON
18 ANTHONY DEL PLATO
19 STEVE CHURCHILL
20 RICHARD HARPER
21 DALE IRWIN
22 DANIEL RAPAPORT
23 RACHEL TREICHLER
24 ERIC WOOD
25 ABI BUDDINGTON

ELIZABETH MORAN
ROGER DOWNS

ALEX BEAUCHAMP
DAVID ALICEA

KIMBERLY BOSTWICK
MARY FINNERAN
IVO ROVEDO
JEFFF SCHUMANN
ROBERT CIESIELSKI
MILES MCMANUS
TESSA SAGE FLORES
DAVID KEEGAN
JOHANNA FALLERT
MARK DUNLEA
DENISE KATZMAN

BRIAN EDEN
MICHAEL DAVIS
ARII@courtsteno.com
TIMOTHY DENNIS
JESS MULLEN

1 10-13-2021 - Greenidge Generation LLC - WebEx

2 VALDI WEIDERPASS

ANN LOGAN

3 MAURA STEPHENS

JOHN ELDER

4 PETER BARDAGLIO

ANNA SEARS

5 ERIC WELTMAN

JAMES SMITH

6 KAREN SMITH

TOM DIADDIGO

7 AMBER RUTHER

GERRI WILLEY

8

ANN FINNERAN

LINDSAY SPEER

9

WANDA BOEKE

10 CHRIS ANNEAER

ALLISON CONSIDINE

11 LARRY CAMPBELL

ELMER EWING

12 MARY THORPE

JEN METZGER

13 NATALIE POLVERE

REGI TEASLEY

14 DAVID ETTMAN

JESSE BEARDSLEE

15

KRYS CAIL

MARILYN CROOKER

16

MIKE COLYER

RICHARD MAHER

17

JOHN ELDER

18

19

20

21

22

23

24

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 Assisting me today from the D.E.C.'s
3 Office of Communication Services are Maria Katchmar,
4 Emma Antolas and Andrea Linton. You should only have
5 audio input from one device, otherwise you may
6 experience issues with feedback. Everyone has been
7 muted upon entry. If at any time during this hearing
8 you experience technical issues, you may call five
9 one eight four zero two eight zero four four. Again,
10 that number is five one eight four zero two eight
11 zero four four.

12 The purpose of today's public comment
13 hearing is to allow members of the public to comment
14 on the renewal of the Greenidge Generation Station
15 Title Five and Title Four permits. Today is not a
16 question and answer session. The Department has
17 given an extension for written comments, and they may
18 now be submitted until November 19th, 2021.

19 If submitted by email, the written
20 comments must be sent by November 19th, 2021, and if
21 mailed, they must be postmarked by November 19th,
22 2021 in order to be considered by the Department.
23 Equal weight is given by the Department to both
24 written and oral comments. For those who are
25 attending this hearing via the internet, we have the

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 information for the submission of written comments on
3 the screen.

4 For those of you are attending over
5 the phone, we will read the information off shortly
6 to you. Anyone who wishes to speak today was
7 required to register by October 8th, 2021. We will
8 call on elected officials first and then we will call
9 on all registered speakers in the order in which they
10 registered.

11 Due to the number of people who wish
12 to speak today, we will limit each speaker to two
13 minutes to make their comments in order to allow
14 everyone time to speak. Please be respectful of the
15 time limit. If you have not completed your comments
16 after two minutes, we will ask you to conclude. For
17 those who of you attending over the internet, there
18 will be a two-minute timer on the screen to help you
19 keep track of your time.

20 We will call your name when it is your
21 turn to speak. At that time, your line will be
22 unmuted if you have attended over the internet. If
23 you have attended by phone, when we call your name,
24 we will ask you to press star three on your telephone
25 to raise your hand and then we can unmute your line.

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 Please do not press star three until we have called
3 your name.

4 When you make your statement, please
5 speak loudly, slowly and clearly. All comments today
6 are being recorded by a court reporter. If we cannot
7 hear you, there is a concern that we will not have an
8 accurate record. I will now read the mailing address
9 for the submission of written comments for those
10 attending by phone.

11 The mailing address for the submission
12 of written comments is New York State D.E.C.,
13 Division of Environmental Permits, Bureau of Energy
14 Project Management, at 625 Broadway, Albany, New York
15 12233-1750 attention Chris Hogan, H-O-G-A-N. Again,
16 that's New York State D.E.C., Division of
17 Environmental Permits, Bureau of Energy Project
18 Management, at 625 Broadway in Albany, New York. The
19 zip code is 12233-1750, attention Chris Hogan.

20 The email address for the submission
21 of written comments is the word comment, C-O-M-M-E-N-
22 T dot Greenidge Generating 2021 at Greenidge, G-R-E-
23 E-N-I-D-G-E. The word generating, G-E-N-E-R-A-T-I-N-
24 G, 2021 at D.E.C. dot N.Y. dot gov. Please state
25 Greenidge comments in your subject line. Now we will

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 begin taking public comments. Your line will be
3 unmuted when it is your turn to speak.

4 And if, again, if you are attending by
5 telephone, when you hear your name call, please press
6 star three on your phone. That will raise your hand
7 so we know which phone line you are on and we can
8 unmute your line. We will now begin calling
9 speakers. I apologize in advance if I mispronounce
10 anyone's name. Please correct me if I state your
11 name incorrectly, and then please state it correctly
12 for the court reporter. And as a reminder, please
13 speak slowly and clearly for the court reporter --
14 reporter.

15 The first speaker today will be
16 Assembly Member Anna Kelles. Assembly Member Anna
17 Kelles, you can -- you can speak now. Okay. I will
18 call the next speaker and we will call Assembly
19 Member Anna Kelles again when we're done calling the
20 other electives.

21 Council Member Ken Camera, are you on
22 the line? Okay. Chairman Douglas Paddock, are you
23 on the line? Next, I will call --

24 MS. KATCHMAR: Judge, I do see Douglas
25 Paddock on.

1 10-13-2021 - Greenidge Generation LLC - WebEx

2 A.L.J. OLIVERI: Okay.

3 MS. KATCHMAR: But Webex, I'm not
4 seeing -- if he's a call-in user, he'll have to raise
5 his hand.

6 A.L.J. OLIVERI: Okay. Mr. Paddock,
7 if -- could you please raise your hand by pressing
8 star three if you're on the phone? Okay. Is anyone
9 raising their hand?

10 MS. KATCHMAR: No, not that I'm
11 seeing.

12 A.L.J. OLIVERI: Okay. Okay. Is
13 Legislator Richard Harper on the line? And if you
14 are on the phone, please press star three.

15 MS. KATCHMAR: Again, I see that name,
16 but Webex is not allowing to unmute that line. In
17 fact, it's not -- wait a minute. I'm not sure if
18 we're having an actual issue or not with Webex. Hold
19 on one second. By what? Hold on one second. Hi.
20 Okay. So we did repair that. Sorry for that delay.
21 Douglas Paddock is -- should be unmuted right now, if
22 we could go back.

23 A.L.J. OLIVERI: Okay.

24 MS. KATCHMAR: A few are on the line.

25 MR. PADDOCK: Can you hear me now?

1 10-13-2021 - Greenidge Generation LLC - WebEx

2 MS. KATCHMAR: Yes, we can.

3 MR. PADDOCK: This sounds like a
4 Verizon commercial. But yes, I was unable to unmute.
5 Thank you for doing so. I suspect Mr. Harper has the
6 same issue that I did, so. I am the Chairman of the
7 Yates County Legislature, Doug -- Douglas Paddock, P-
8 A-D-D-O-C-K. Do you want me to start my comments
9 now?

10 A.L.J. OLIVERI: Yes, thank you.

11 MR. PADDOCK: Thank you. Greenidge
12 supplies electrical power to the grid every day
13 ensuring that the homes, businesses and governmental
14 entities depend on electricity have the power they
15 need. The Greenidge Plant has been in place in the
16 Town of Torrey since 1937 and burned coal until it
17 was mothballed in 2011.

18 It was converted to burn natural gas,
19 and it's been using that fuel since it resumed
20 operation in 2017. Emissions have been significantly
21 reduced from 1990 levels. Yesterday the Yates County
22 Legislature unanimously passed one abstention
23 resolutions supporting Generation -- Greenidge
24 Generation L.L.C. stating it is in favor of renewing
25 the Title Four and Five Air Permits.

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 Points stated in the resolution in
3 part, Greenidge has created and filled forty-five
4 high paying jobs in Yates County, contribute to
5 significant amounts of tax revenue to Yates County.
6 2020 average raise -- raise -- wage at Greenidge was
7 seventy-seven thousand five hundred sixty-five
8 dollars.

9 In 2016, the New York State Department
10 of Environmental Conservation, the United States
11 Environmental Protection Agency carefully and
12 thoroughly reviewed potential impacts of a new
13 generation and determined there could be no
14 significant environmental impacts in the generating
15 plant operating full time, a hundred and six
16 megawatts of electricity produced.

17 Greenidge operates the plant in full
18 compliance with existing air and water permits issued
19 by New York State Department of Environ --
20 Environmental Conservation and Greenidge's
21 cryptocurrency mining operation on site to one
22 hundred percent carbon flow operation. It's resuming
23 operation in 2017. Greenidge has made a significant
24 contribution to economy of Yates County.

25 Growing tax payments to the Town of

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 Torrey, Canyon Central School, Yates County
3 significantly offset real property taxes directly due
4 to its data processing center. Local tax payments
5 increased in 2020 by almost three hundred thousand
6 dollars are anticipated to increase significantly in
7 further years.

8 Recent study by Appleseed Incorporated
9 stated that the estimate Greenidge combined
10 operations and capital investments of 2020 directly
11 and indirectly supported one hundred eight jobs in
12 New York, total earnings of nearly eight point four
13 million dollars, nearly sixteen point eight million
14 in statewide.

15 And in 2020, during the peak of the
16 COVID-19 am -- pandemic, Greenidge supported over
17 eighty businesses in New York. As a result of
18 environmental leadership and positive economic impact
19 (unintelligible). Certified copy of the resolution
20 will be forwarded to the D.E.C. Thank you.

21 A.L.J. OLIVERI: Thank you. Next, I
22 will call Assembly Member Anna Kelles.

23 MS. KELLES: Hi, yes, can you hear me?

24 A.L.J. OLIVERI: Yes, thank you.

25 MS. KELLES: I -- I am at a

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 legislative briefing, so I'm multitasking. But I'm
3 speaking to you today to urge the D.E.C. to reject
4 Greenidge Generating Stations application for air
5 permit, and to uphold New York's Climate Leadership
6 and Community Protection goals. The D.E.C. must
7 assess the Title Five permit with respect to its use
8 as a plant that supplies necessary energy to the
9 grid, not under the new use of excessive highly
10 polluting crypto mining.

11 Greenidge Generating Station currently
12 houses a large proof of work cryptocurrency mining
13 operation. There are many forms of validation
14 methods such as proof of work, proof of stake,
15 authority, proof of space, and many more. Because of
16 the nature of the engineering design behind proof of
17 work, it stands alone in the magnitude of energy
18 required to operate.

19 No other cryptocurrency transaction
20 validation method is designed on this competition
21 model, and therefore they do not require miners or
22 significant energy demands. The largest
23 cryptocurrency that is based on the proof of work
24 validation method uses approximately a hundred and
25 twenty-eight terawatt hours of energy per year, more

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 than the global energy -- annual energy consumption
3 of Amazon, Google and Facebook combined and more than
4 countries such as Sweden and Chile.

5 Not only are other cryptocurrency
6 transaction validation methods such as proof of stake
7 significantly more energy efficient, they are also
8 more secure, making the older proof of work
9 technology unnecessary for a cryptocurrency market to
10 thrive in New York. The nature of Green -- Greenidge
11 Generating Station has changed fundamentally from a
12 facility that intermittently supplies energy to the
13 grid to one that operates three hundred and sixty-
14 five days a year with statewide plans to use five
15 hundred megawatts of energy for proof of work
16 cryptocurrency mining by 2025.

17 Here is some critical data. The
18 current Greenidge air permit allows for up to six
19 hundred and forty-one thousand eight hundred and
20 seventy-eight tons of carbon dioxide equivalent.
21 January 2020, they emitted only twenty-eight thousand
22 three hundred and one tons. December 2020, they
23 emitted two hundred and forty-three thousand one
24 hundred and three tons.

25 Proposal for up to fifty-five

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 megawatts of operation will produce five hundred and
3 fifty-one thousand five hundred and sixty nine tons,
4 and the company plans to expand across the state to
5 have five hundred megawatts by 2025. Not only is
6 this plant that used to -- used to run a few weeks
7 out of the year, now running three hundred and sixty-
8 five days per year with a corresponding significant
9 increase in air pollution, it also pulls in over one
10 point five million gallons of lake water a day as a
11 coolant and releases it back into a Class C trout
12 stream at up to eighty-six degrees in summer and
13 hundred and eight degrees in winter, significantly
14 increasing water temperatures in the stream with
15 concurrent implants on one of the last freshwater
16 bodies in the country.

17 Today you will hear from proponents
18 who will say that cryptocurrency mining is the
19 solution to climate change. They will argue that
20 proof of work cryptocurrency mining operations like
21 Greenidge are willing to invest in renewable energy
22 technology, and that they will escalate the rate of
23 progress in the green sector.

24 Don't be fooled by these promises. If
25 we are serious about meeting our C.L.C.P.A. goals

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 here in New York, we must not let P.O.W. mining
3 expand across our state, especially when there are
4 far less energy intensive technologies available to
5 crypto companies. They are using up our natural
6 resources for free. In the last quarter alone, they
7 made over forty million dollars.

8 In the same quarter, Greenidge earned
9 seven hundred and twenty-nine Bitcoin. They earned
10 four hundred and forty thousand dollars a day and yet
11 are only getting three hundred -- three hundred
12 thousand to the local community edition in 2020 -- in
13 2020. The equivalent of what they use per day, each
14 Bitcoin is ninety gallons of gas per day equivalent.
15 And there are over three hundred and thirty thousand
16 Bitcoin transactions per day for a total of three --
17 thirty million gallons of gasoline equivalent per day
18 used for Bitcoin transactions.

19 And they are creating an enormous
20 amount of waste. We cannot afford as a state nor
21 planet. And I asked again that D.E.C. not approved
22 this permit, air permit renewal, for the Title Five
23 permit for Greenidge. Thank you.

24 A.L.J. OLIVERI: Thank you Assembly
25 Member Kelles. The next speaker is Robert Kent

1 10-13-2021 - Greenidge Generation LLC - WebEx

2 Camera. Is -- Mr. Camera, are you on the line?

3 MR. CAMERA: I'm here. Can you hear
4 me?

5 A.L.J. OLIVERI: Yes, we can. Thank
6 you.

7 MR. CAMERA: Okay. Thank you for this
8 opportunity to -- to present the views of the City of
9 Geneva. I'll just start reading my text. For your -
10 - just for your information, I'm a City Councilor in
11 the City of Geneva, and I have a background in energy
12 policy and utility economics.

13 The City of Geneva and the region's
14 interests are clear and perennial. As the largest
15 municipality on Seneca Lake, we are mindful of our
16 own impact on the health of Seneca Lake as well as
17 the actions by other operations and communities. The
18 Finger Lakes including the Seneca Lake watershed is
19 home to a three billion agricultural and tourist
20 industry a year that depends on a stable climate.

21 We require a climate that moves
22 predictably through four normal seasonal cycles and
23 duration to provide the harvests and the temperatures
24 to promote our wellbeing and sustains our livelihoods
25 and business. Anticipated air emissions from the

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 Greenidge Generation L.L.C. operation at full build
3 out is an anticipated one million tons of CO per
4 year, which will promote climate change that will
5 impact our region and our state economy forever.

6 At a local level, the heated water has
7 already destroyed a fish habitat and directly
8 promotes harmful algal blooms that reach the water's
9 edge in Geneva. Right below the Isle of New York
10 sign and logo in our Finger Lakes Welcome Center. As
11 a City Councilor of the City of Geneva, I was co-
12 sponsor of our Resolution 17-2021 in support of the
13 Article Seventy-eight action filed by the committee
14 to preserve the Finger Lakes, Seneca Lake Guardians,
15 and which was passed unanimously by the City Council
16 in our February 21, 2021 meeting.

17 What about the D.E.C., the New York
18 State D.E.C., what is the New York State D.E.C.'s
19 mission? From the website, the D.E.C. says their
20 mission is to, "to conserve, improve and protect New
21 York's natural resources and environment and to
22 prevent -- prevent, abate and control water, land and
23 air pollution in order to enhance the health, safety
24 and welfare of the people of the state of New York,
25 and their overall economic and social wellbeing".

1 10-13-2021 - Greenidge Generation LLC - WebEx

2 This sounds like a convergence between
3 our collected missions, city and the state. We are
4 grateful to the Commissioner Basil Seggos for
5 agreeing that the D.E.C. needs to hear from the
6 public on the matter of cryptocurrency operations,
7 not only here at the Finger Lakes but around the
8 state. There is no harm in New York being a leader,
9 again, in protecting our beautiful land from
10 environmental degradation, as it did from -- with its
11 fracking ban five years ago, which most recently was
12 codified permanently by the New York State
13 Legislature in its 2021 fiscal budget.

14 But Greenidge Generation Project is an
15 industrial operation that is incompatible with dozens
16 of state and municipal and regional efforts to
17 protect and care for our lakes. Until now it has
18 been circumvented (unintelligible) complete and
19 thorough analysis. In the broadest sense, the New
20 York D.E.C. Public Service Commission are charged
21 with balancing the impacts of power plants and
22 industrial complexes against the societal benefits of
23 any significant activity.

24 In the case of grants, its marginal
25 benefit as an electric grid stabilization component

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 gave it a legitimate purpose in this balancing act
3 between public and private goods. And Title Five Air
4 Permit in this operating mode could be construed as a
5 reasonable trade off, some air emissions two hundred
6 thousand tons of greenhouse gas emissions in return
7 for a reg -- electric grid stabilization.

8 However, in the case of Greenidge as a
9 Bitcoin power plant, there is no longer a public
10 purpose or benefit, and it is no longer needed.
11 Today, its stated purpose is to provide power for the
12 purely private peculiarly interest of wealthy private
13 investors, rich people and greenhouse gas emission
14 rates exceeding -- expected to exceed a million tons
15 per year.

16 In the case of Greenidge Generation
17 L.L.C. and the other operations of its kind across
18 New York State, there is no longer a balance at all.
19 There is no public benefit. Given the fundamental
20 purpose of the New York State Government, to create
21 and protect the public good. Permitting of this
22 project would be the existential stress, exact --
23 existential threat to its existence by fundamentally
24 undermining our climate remediation goals.

25 There is no threat there could be more

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 substantive or significant. Investment in tax
3 payments that are being paid -- by the way, the
4 investment and tax payments that are being paid to
5 the town and county entities in Yates County are
6 simply transferable payments that are really bribes
7 to allow them to damage the rest of the Finger Lakes
8 to approve these benefits.

9 Overall, this action still fails a
10 societal test that encompasses all the communities in
11 the region and harms the sustainability of the entire
12 region's economy. Thank you for the time to speak.

13 A.L.J. OLIVERI: Thank you for your
14 statement. Next, I will call County Legislator
15 Michael Lausell. Michael Lausell, are you on the
16 line please?

17 MR. LAUSELL: Hello. Yes.

18 A.L.J. OLIVERI: Mr. Lausell?

19 MR. LAUSELL: Yes.

20 A.L.J. OLIVERI: Hi, thank you.

21 MR. LAUSELL: Thank you. My name is
22 Michael Lausell. And I'm a Schuyler County
23 Legislator. Schuyler County wraps around the
24 southern end of Seneca Lake. And the legislative
25 district that I represent, the northern half of the

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 Town of Hector, includes a sizable portion of the
3 eastern shore of Seneca Lake.

4 During the eight years I have served
5 on the county legislature, the Schuyler County
6 legislature has been very active in helping to
7 protect the water quality of Seneca Lake. We
8 completed a new wastewater treatment plant that
9 replaced the aging water treatment plants that served
10 the Villages of Lakin's Glen and Montour Falls.

11 Schuyler County, along with the Town
12 of Hector, has joined the Seneca Watershed Inter-
13 Municipal Organization, an organization that is
14 completing a nine elements plan that will identify
15 the contributing factors that are threatening the
16 quality of the waters of Seneca Lake. This plan will
17 provide us with the information necessary to embark
18 on future steps to protect and preserve the water
19 quality of Seneca Lake, to protect the organisms, the
20 plant life and aquatic life that rely on those
21 waters, including ourselves and our local economies
22 on which we rely.

23 This hearing today is in regard to
24 Greenidge's Title Five Air Permit application. It
25 will allow far greater emissions of carbon dioxide

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 and nitrous oxide. It will entail far greater
3 quantities of heated cooling water being released
4 into Seneca Lake that is a byproduct of the operation
5 of the power plant and the Bitcoin mining operation.

6 Many steps can be taken and be
7 required to reduce these effects by a closed loop
8 cooling system. This last week, we observed one of
9 the largest algae blooms seen on Seneca Lake. This
10 is another example of the unusual events we're seeing
11 across the country. The events that have been
12 predicted as the consequences of climate change.

13 New York is taking bold steps to
14 address our contribution to these unfortunate
15 changes. I urge Governor Hochul to deny the permit
16 application as a step toward promoting the goals of
17 the Climate Leadership and Community Protection Act
18 and protecting our natural environment for the
19 present day, and for future generations. Thank you.

20 A.L.J. OLIVERI: Thank you. The next
21 speaker is Legislator Rick Wilson.

22 MR. WILSON: -- on a toy in which
23 Greenidge resides. I'm a lifelong resident, my
24 wife's family has been on Arrowhead Beach, just north
25 of the power plants since, I think 1932. You've

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 heard some other -- our Chairman go over some of the
3 contributions that Greenidge had made for us. I
4 would like to kind of add a few more things.

5 One of the things that he pointed out
6 is that Greenidge has employed over eighty businesses
7 either servicing or has been buying products from in
8 their operation. Some of those businesses,
9 particularly the O'Connell Electric, is a union shop.
10 And believe me, those guys are very happy not to be
11 traveling out of state for their work. That's an
12 important thing.

13 I'd also like to point out that
14 Greenidge was built just prior to World War Two. It
15 was to supply energy to what was then Samson Naval
16 Base, Samson Air Base, as we ramped up for World War
17 Two. It continues to be a strategic supplier of
18 energy during times when there is peak demand. We
19 just witnessed this past winter, the state of Texas
20 where they depend -- depended on solar and wind power
21 to the point where it didn't perform well, and there
22 were people who froze, building damage from frost, et
23 cetera.

24 That -- that is an important thing for
25 people to remember. That fills in, you know, when we

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 really need the help. And that's an important issue.
3 The last thing I'd like to say is that the financial
4 viability of Greenidge allows them to continue to use
5 their earnings to do environmental cleanup projects
6 that benefit the health and welfare of the local
7 residents. And they would not be able to do that if
8 they were not able to have the money to do so. Thank
9 you for allowing me the time.

10 A.L.J. OLIVERI: Thank you. Before we
11 move on to the next speaker, I just would like to ask
12 Mr. Paddock to please lower your hand. I see that
13 you have it raised. Did you need anything?

14 MR. PADDOCK: Yes, I believe you
15 stated in the beginning that there would be a two
16 minute limit on speakers, correct?

17 A.L.J. OLIVERI: Yes.

18 MR. PADDOCK: Well, my timing on
19 Councilman Camera was well over five minutes. I
20 believe Assemblyman Kelles was more than four
21 minutes. Just wanted to point that out, you know, if
22 we're all going to play by the rules, we should play
23 by the rules.

24 A.L.J. OLIVERI: Okay. Thank you for
25 pointing that out. I will pay more attention to the

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 timing. And also -- also please remember, if you
3 have anything that you'd like to say that you didn't
4 get a chance to say today, you're more than welcome
5 to submit written comments as well until November
6 19th. Thank you.

7 The next speaker is Anthony Del Plato.
8 Mr. Del Plato. Are you on the line?

9 MR. DEL PLATO: Yes, I am. Can you
10 hear me?

11 A.L.J. OLIVERI: Yes, thank you.

12 MR. DEL PLATO: Okay. Thank you for
13 this opportunity to speak. I'm the Village Trustee
14 and Water Commissioner of the Village of Interlaken.
15 My name is Anthony Del Plato. Also speaking on
16 behalf of my partner, Gina Nigro (phonetic spelling),
17 partners of a Stone's Throw Bed and Breakfast at 3509
18 West Avenue, Interlaken.

19 I'm not going to give you the
20 scientific evidence to reject the Greenidge Title
21 Five and Four Air Permit for the operators to
22 Greenidge Power Plant, Greenidge Generation L.L.C.
23 No doubt we have lots of scientific testimony before
24 you by those who are far more informed about these
25 matters than I. I'm going to talk to you about what

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 is at stake.

3 Seneca Lake is already in trouble for
4 a variety of reasons. What are the risks? Those who
5 live and work in the region will pay the price if
6 things go wrong. Investors, wherever they live, will
7 only lose their money. We, who live here, lose our
8 source of clean, healthy water. I'm urging you to
9 reject the permit to Greenidge Generation L.L.C.
10 because of the risks they are putting the water
11 supply to over a hundred thousand people who depend
12 upon Seneca Lake for drinking water.

13 I'm urging you to reject the permit
14 because the power plant is a threat to the health and
15 wellbeing of the fish and other aquatic creatures.
16 All creatures on earth deserve healthy and safe
17 water. I urge you to deny the permit to the
18 Greenidge operators because of the threat to the
19 economic wellbeing of the farmers in the region
20 including vineyards and wineries in Finger Lakes.

21 I am urging you to deny the permit
22 because my business, a Bed and Breakfast depends upon
23 a thriving tourism industry. This power plant is a
24 threat to my life and business as well as thousands
25 of other businesses in the region. There are many

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 scientific facts to support the denial of the permit.
3 This information presents an extremely strong case
4 against any power plant using lake water as a
5 coolant, regardless of the source of power.

6 We who live in these beautiful land
7 refuse to put at risk our efforts to create a
8 sustainable economy in the region for this and future
9 generations. The boom and bust cycle of
10 cryptocurrencies are a threat to our livelihoods and
11 wellbeing. The Greenidge Power Plant, Bitcoin and
12 other cryptocurrency speculators are threatening the
13 stability of our lives. Greenidge --

14 A.L.J. OLIVERI: Mr. Del Plato, I'm
15 sorry, but if you could please wrap up your comments,
16 I'd appreciate that.

17 MR. DEL PLATO: Sure. I just -- I'm
18 at the last paragraph. This is an unacceptable risk.
19 Industry and profit are secondary to the ecological
20 wellbeing of our water, air and land. For too long,
21 our ecological wellbeing has taken a backseat to
22 development plans for the region. I and thousands of
23 others who depended upon the right to clean and
24 healthy water demand that you reject the permit of
25 the Greenidge Generation L.L.C.

1 10-13-2021 - Greenidge Generation LLC - WebEx

2 Thank you for the extra moment. Shall
3 I submit my statement in the comments via email, or
4 is my testimony sufficient?

5 A.L.J. OLIVERI: It's sufficient. If
6 you'd like to submit anything further in writing
7 either by email or mail, that's fine as well.

8 MR. DEL PLATO: All right. Thank you
9 very much.

10 A.L.J. OLIVERI: Thank you. The next
11 speaker will be Steve -- Mr. Steve Churchill. Mr.
12 Churchill, are you on the line?

13 MR. CHURCHILL: I am. Can you hear
14 me?

15 A.L.J. OLIVERI: Yes, thank you.

16 MR. CHURCHILL: Okay. I'm not going
17 to exceed the two minutes if you start the clock when
18 I give you a thumbs up, fair enough.

19 A.L.J. OLIVERI: Okay.

20 MR. CHURCHILL: I'm only kidding. My
21 name is Steve Churchill. I reside -- I reside in the
22 beautiful Finger Lakes in the Town of Seneca Falls.
23 I currently sit on the Seneca Falls Town Council.
24 Previously, I served four terms in the Seneca County
25 Board of Supervisor, where I was for eight years

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 Chair of the Environmental Affairs Committee.

3 Today, I would like to go on record to
4 strongly urging our outstanding new Governor Kathy
5 Hochul to continue to demonstrate great leadership
6 and direct the D.E.C. to deny Greenidge Title Five
7 Air Permit. In 2019, New York State passed the
8 Climate Leadership and Protection Act. This Act
9 established -- established some lofty goals to
10 control green -- greenhouse gas emissions, but
11 absolutely necessary goals that the Empire State
12 should be expected to set.

13 We as New Yorkers should be both proud
14 of and committed to reaching those goals, such as
15 forty percent reduction in greenhouse gases by 2030.
16 And with eighty-five percent target by 2050. These
17 goals that when -- when reached will demonstrate
18 great leadership and understanding of the gravity of
19 the issue at hand, which is, we need to combat the
20 catastrophic effects to our planet global warming.

21 There are no options. We can and must
22 meet the goal set by the 2019 Climate Leadership Act.
23 But then comes along an industry like Bitcoin mining,
24 powered by old retired power generation plants, a
25 process that will consume as much energy as can be

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 generated, but energy produced at a very, very high
3 cost, a cost that stands in total opposition to the
4 goals set by the 2019 Climate Leadership Act.

5 A cost that sides with the enemy in
6 our global battle to fight climate change. We simply
7 will fail if -- if we permit the Greenidge operation
8 to move forward, to grow and to continue to consume
9 and pollute. And failure in the global climate
10 change came is simply not option. D.E.C.
11 Commissioner Basil was spot on when he recently
12 stated that Greenidge has not shown "compliance" with
13 the New York State or with New York's Climate
14 Leadership and Comm -- Community Protection Act.

15 And we must allow -- and we must not
16 allow Greenidge to play the carbon credit shell game.
17 There is only one way forward, deny the permits where
18 non-compliance is obvious and blatant. I'm confident
19 and I pray that the D.E.C. already knows the answer
20 to these permit renewal requests. And at this and
21 other hearings are mere formality. I implore the
22 D.E.C. to make the just and right decisions.

23 The climate change battle will allow
24 no second chances, no redos and we need to get it
25 right and get it right the first time. D.E.C.

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 Governor Hochul, deny, deny, deny the Greenidge Title
3 Five Air Permit. Thank you very much. And I give
4 back my time to Ken Camera.

5 A.L.J. OLIVERI: All right. Thank
6 you. The next -- next speaker is Legislator Richard
7 Harper. Richard Harper, are you in the line?

8 MR. HARPER: Yes, I am. Can you hear
9 me okay?

10 A.L.J. OLIVERI: Yes, thank you.

11 MR. HARPER: Okay. So my name's
12 Richard Harper, and I live at 2191 Stevens Corners
13 Road in Penn Yan, about six miles from the Greenidge
14 Power Plant. I'm a Yates County Legislator and
15 represent the Town of Torrey where Greenidge Power
16 Plant's located. I worked for over forty years at a
17 facility bordering the Greenidge property.

18 The key to Title Five reg -- meeting
19 those regulations starts with (unintelligible). The
20 Greenidge facility has already demonstrated their
21 commitment to the environment through the conversion
22 of the facility from coal to natural gas, which in
23 turn directly improved water and air emissions. The
24 various public meetings I've attended in both county
25 and town level, the current management at Greenidge

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 is repeatedly committed to running the facility in a
3 safe and environmentally conscious manner that meets
4 or exceeds regulatory discharge.

5 Greenidge supplies power to the grid
6 the past four decades. It's not just a hundred
7 percent cryptocurrency use, if it were, many of those
8 negative comments that's being made probably would
9 not be. New York State has set a goal of seventy
10 percent from solar or wind by 2030 for power
11 generation. They also want to move to push electric
12 vehicles with the goal of two million by 2030.

13 The need for electricity to charge
14 those batteries will expand even more as that
15 increases. Locally, Yates County and two local
16 townships that I represent have had four solar
17 projects in their towns halted due to transmission
18 line access. Until transmission line storage
19 solutions are in place that support better wind and
20 solar generations, power facilities such as Greenidge
21 are absolutely necessary.

22 Greenidge continues to be an important
23 economic source to the towns in Yates County with
24 forty-four high -- highly paid employees. They
25 support local businesses and are an important tax

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 revenue source to the local town, county, and school
3 systems. For the above reasons, I support Greenidge
4 Title Five re -- and Title Four renewals.

5 A.L.J. OLIVERI: Thank you. The next
6 speaker I will call is Mr. Dale Irwin. Mr. Irwin,
7 are you on the line?

8 MR. IRWIN: Yes, I am.

9 A.L.J. OLIVERI: Okay. Go ahead.

10 MR. IRWIN: Thank you, Your Honor.
11 I'm Dale Irwin, President C.E.O. of Greenidge
12 Generation L.L.C. I grew up on this beautiful Lake
13 Seneca. I still spend days and days in the summer at
14 Seneca Lake and really enjoy the winters out duck
15 hunting on Seneca Lake. I've worked at the Greenidge
16 facility for over twenty years. I lead the
17 transformation of an existing coal unit to a clean
18 burning natural gas emission unit.

19 For years now, Upstate New York has
20 been promised that New York is open for business, and
21 we believe that. And we have brought close to a
22 hundred million dollars of investment and great
23 opportunities to rural New York at the time when our
24 children are leaving New York by the thousands.
25 Almost fifty teammates and dozens of contractors that

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 support hundreds of family members in our area work
3 daily at our facility.

4 On average, our people make twice the
5 average wages of others in this area. We have
6 increased our tax contribution to the state and local
7 residents by hundreds of thousands of dollars and it
8 keeps growing. We have broad local support,
9 I.B.E.W., hundreds of local businesses and a super
10 majority at the town planning level. Just yesterday,
11 Yates County Legislation -- Legislation voted
12 thirteen to zero to support the renewal the Greenidge
13 air permit.

14 This is all happening while Greenidge
15 facility has reduced CO by seventy percent over the
16 1990 baseline set by the state. Every minute of
17 every day we are online, Greenidge is providing power
18 and ancillary services to the people of New York.
19 Thank you for this opportunity. And I'd like to hand
20 it over to Mike Colyer from Foundry. I'm done.
21 Thank you.

22 A.L.J. OLIVERI: Okay. Thank you for
23 your statement. Next, I will be calling Mr. Daniel
24 Rapaport. Mr. Rapaport, are you on the line?

25 MR. RAPAPORT: I am. Thank you. My

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 name is Dan Rapaport, and I li -- live in New Field,
3 New York, and I urge Governor Hochul to direct the
4 D.E.C. to deny Greenidge's Title Five Air Permit.
5 Greenidge describes themselves as a vertically
6 integrated Bitcoin mining and power generation
7 company. They link power generation to Bitcoin
8 mining. The Bitcoin mining machines are an integral
9 part of the power generation infrastructure.

10 As an integral part of the power
11 infrastructure, the D.E.C. should consider the impact
12 of adding this plant equipment to power generation
13 and consider the impact on air emissions. So let's
14 look at this equipment. Greenidge has discussed
15 using the Antminer S Nineteen Pro, which consumes
16 thirty-two hundred and fifty watts, which there's
17 others that use more than that.

18 Running twenty-four hours, three
19 hundred and sixty-five days a years, that's twenty-
20 eight thousand four hundred seventy kilowatt hours
21 per machine. And that does not include energy used
22 for cooling room or any of the switches a network
23 infrastructure needed. Now a 1970s refrigerator uses
24 about fifteen hundred kilowatt hours a year. Modern
25 fridge uses three hundred kilowatt hours a year.

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 Running five thousand of these Bitcoin
3 mining machines, and they're looking to use thirty
4 thousand uses -- it's like running ninety-four
5 thousand nine hundred ninety-seven -- 1970s
6 refrigerators in the plan which add nothing of value
7 to the public, and instead add massive amounts of air
8 pollutants and greenhouse gases, as well as adding a
9 huge amounts of pollutants per kilowatt that leaves
10 the plant.

11 The D.E.C. would never allow this
12 addition to -- infrastructure to run. And if somehow
13 it found there was a reason to allow it, the D.E.C.
14 would add a minimum require the plant use modern
15 refrigerators using one-fifth the energy and making
16 one-fifth of the emissions. So what's the equivalent
17 of the modern refrigerator, the alternative to proof
18 of work, there are actually many.

19 Bitcoin uses an obsolete energy cloud
20 method to validate the blockchain. No new blockchain
21 applications have used proof of work for the last
22 four years at least, but for state projects like
23 (unintelligible) open voting representative, projects
24 like (unintelligible) reduce energy use by a factor
25 of over twenty million.

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 Essentially, this alternative replaces
3 those ninety-four thousand nine hundred 1970
4 refrigerators or about four hundred and seventy-five
5 modern ones with a sixteen watt L.E.D. light bulb.
6 Under Governor Cuomo, the D.E.C. failed to consider
7 this new plan infrastructure. It did not complete a
8 thorough environmental review as required by
9 (unintelligible) at its onset.

10 Now Governor Hochul has an opportunity
11 to demonstrate that New York is serious about climate
12 change and reverse this by denying the permit
13 renewal. The facility is not consistent with a
14 C.L.C.P.A., and I respectfully request that Governor
15 Hochul direct D.E.C. to deny the Title Five Air
16 Permit for Greenidge. Thank you.

17 A.L.J. OLIVERI: Thank you, Mr. --
18 The next speaker is Rachel Treichler.

19 MS. TREICHLER: Hello.

20 A.L.J. OLIVERI: Hello.

21 MS. TREICHLER: My name is Rachel
22 Treichler. I am a lawyer in Hammondsport, New York,
23 which is in the Seneca Lake watershed. I'm speaking
24 today as a concerned citizen. I became active on
25 issues involved in the operation of the Greenidge

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 Power Plant in 2015 when I learned of the proposal of
3 the plant's new owners to restart the plant and build
4 a new gas pipeline to the plant.

5 I asked the Hochul administration to
6 give careful scrutiny to the environmental impacts of
7 the Bitcoin mining operations at the plant, scrutiny
8 that was never given during the Cuomo administration.
9 I urge D.E.C. to deny the Greenidge air permit
10 renewals until a full environmental impact statement
11 is prepared addressing the new Bitcoin mining
12 operations.

13 The C.L.C.P.A. requirements must be
14 incorporated into the SEQR review, along with other
15 climate change considerations as required by SEQR.
16 The significant regulatory changes resulting from the
17 enactment of the C.L.C.P.A. and the significant
18 operational changes resulting from a Greenidge's
19 expansion into Bitcoin mining mandate a full E.I.S.

20 A type two SEQR designation, D.E.C.
21 has given to the renewal of the Greenidge air permits
22 is inappropriate. What happens with the Greenidge
23 permits will set an important precedent for
24 cryptocurrency mining operations around the state and
25 will demonstrate the Hochul administration's

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 commitment to protecting our environment and
3 enforcing our environmental laws. Thank you.

4 A.L.J. OLIVERI: Thank you. The next
5 speaker is Eric Wood.

6 MR. WOOD: Can you hear me?

7 A.L.J. OLIVERI: Yes.

8 MR. WOOD: Good afternoon and thank
9 you for the opportunity to testify at today's
10 hearing. My name is Eric Wood ,and I'm here today to
11 deliver the statement of the New York Public Interest
12 Research Group or NYPIRG. NYPIRG is a non-partisan
13 public education organization that works to examine
14 important issues, produce studies and engage New
15 Yorkers' public education campaigns, protect our
16 environment and public health.

17 NYPIRG today calls on the New York
18 State Department of Environmental Conservation, the
19 D.E.C., to deny the application for Title Five and
20 Title Four Air Permits submitted by the Greenidge
21 Generating facility for the purpose of crypto mining
22 interests in New York. Climate change is the
23 greatest environmental threat facing the planet.

24 The accumulation of carbon dioxide and
25 other greenhouse gases like methane in the atmosphere

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 are causing extreme weather events, harmful algal
3 blooms, ocean acidification and rising sea levels.
4 If we don't aggressively curb our use of fossil fuels
5 to generate energy, we'll see an intensification of
6 the devastating impacts already felt on New York's
7 economy, infrastructure, public health, coastal areas
8 and natural ecosystems.

9 The death and damage caused by the
10 torrential remnants of Hurricane Ida in early
11 September are a fresh reminder. The aftermath, more
12 than a dozen New Yorkers are dead, most perishing in
13 flooded basement apartments. The message is
14 unmistakable. We need to eliminate the unwise,
15 unnecessary use of energy sources that are causing
16 this crisis.

17 The process of proof of work crypto
18 mining is extremely energy intensive. Moreover, the
19 public benefits of these activities are questionable.
20 Most of the energy generated by burning gas at the
21 current generating site will not go into the
22 electrical grid to serve general public interest.

23 Instead, it will be used by private
24 technology companies for the financial rewards remain
25 the companies themselves and their investors. All

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 the environmental impacts are externalized, impacting
3 our community, our state and our ever warming world.
4 As we rush to avoid climate catastrophe, the
5 challenges we face in shifting our energy grid to a
6 hundred percent renewable energy are formidable.

7 Our ambitious goals, including those
8 in the C.L.C.P.A. will be difficult to achieve.
9 Energy and activities intensive like crypto mining,
10 make an already steep path towards the goal of
11 hundred percent carbon neutral energy by 2040 even
12 more difficult. New York has always had a poor
13 record of meeting its energy goals.

14 And that trend is likely to continue
15 if we allow facilities like Greenidge Generating to
16 come here and undo all the current climate work that
17 the state has achieved. Converting the Greenidge
18 Generating Plant to a fossil fuels crypto mining
19 operations does not advance the state's energy goals.

20 In fact, it would effectively negate
21 gains made in renewable energy. NYPIRG believes that
22 the permit should be denied, it's incompatible with
23 the C.L.C.P.A. and the state's energy goals. At a
24 minimum, much further environmental review is
25 warranted with respect to the Greenidge Generating

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 facility permit application before approving air
3 pollution permits.

4 The Title Five and Title Four Air
5 Permit application needs to be denied, and the
6 Greenidge needs to be sent back to the drawing board
7 before coming back to apply for a new one. D.E.C.
8 should undertake a framework assessment of crypto
9 mining through a generic environmental impact
10 statement, such as the comprehensive review process,
11 should evaluate compatibility with the C.L.C.P.A. as
12 a prime consideration before continuing to review
13 data mining permit applications on a case by case
14 basis. Thank you for your consideration.

15 A.L.J. OLIVERI: Thank you, Mr. Wood.
16 The next speaker is Gary McIntee.

17 MR. WOOD: I went over a little bit.

18 A.L.J. OLIVERI: Mr. McIntee, are you
19 on the line? Okay. One more time, Mr. Gary McIntee,
20 if you're on the line, please let us know.

21 MS. KATCHMAR: If he's a call-in user,
22 we could have him raise his hand.

23 A.L.J. OLIVERI: Press star three if
24 you're on the telephone. Okay. We'll move on to the
25 next speaker. Vinnie Aliperti, are you on the line,

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 please? Mr. Vinnie Aliperti, are you on the line?
3 And if you're on the phone, please press star three.
4 Okay. Is Abi Buddington on the line?

5 MS. BUDDINGTON: Yes. My name is Abi
6 -- hi, my name is Abi Buddington, and I am --

7 A.L.J. OLIVERI: Okay.

8 MS. BUDDINGTON: I'm sorry. Do you
9 want me to start? And I'm a concerns community
10 member and property owner in the Village of Dresden,
11 Town of Torrey. Our community experiences the
12 negative impacts of the plant's operation on multiple
13 levels. Two of which are noise and air pollution.

14 The noise generated is disturbing that
15 quiet with a constant hum that drowns out songbirds
16 and the gentle lapping of water on the shore.
17 Constant noise pollution harms human health and
18 wildlife. I urge the D.E.C. to deny Greenidge's
19 Title Five Air Permit. Also helpful and harmful --
20 also harmful to human health and crops, especially
21 sensitive are grapes, are air emissions and
22 particulate matter from power plants like Greenidge.

23 According to the Center for the
24 Advancement of the Steady State Economy, globally,
25 four million premature deaths occur each year as a

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 result of air pollution. A sizeable fraction of
3 which are due to coal and natural gas combustion in
4 power plants. The C.L.C.P.A. advisory panel found
5 that New York state can cut CO emissions by up to
6 forty percent by 2030 if we eliminate fifty percent²
7 of our greenhouse gas emitting facilities and only
8 produce fifteen million tons of CO equivalents per²
9 year.

10 If Greenidge expands to their
11 capacity, they alone are projected to produce one
12 million tons of that fifteen million tons. Dr.
13 Robert Howard, a member of the C.L.C.P.A. advisory
14 panel and Cornell Ecology professors said, "We can
15 make the cuts quickly by ramping up renewable energy
16 sources, but we can't do it if we have Greenidge and
17 other Greenidge like plants."

18 The decision you reach with this test
19 case will have exponential impacts because Greenidge
20 threatens the environmental and economic
21 sustainability of this region, produces noise
22 pollution, which is a human health concern and is not
23 consistent with the C.L.C.P.A. I urge the D.E.C. to
24 deny the Title Five Air Permit for Greenidge and also
25 for Governor Hochul to direct the D.E.C. to deny as

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 well. Please do not allow this model to replicate
3 elsewhere.

4 A.L.J. OLIVERI: Thank you. The next
5 speaker is Ann Logan. Ann Logan, if you are on the
6 phone, please press star three so we can see your
7 raised hand. Okay. The next speaker is Elizabeth
8 Moran. Elizabeth Moran.

9 MS. MORAN: Yes, I am here. Thank you
10 so much.

11 A.L.J. OLIVERI: All right. Go ahead.

12 MS. MORAN: I'm good to go? Okay.

13 A.L.J. OLIVERI: Yes.

14 MS. MORAN: Thank you so much for the
15 opportunity to comment today. My name is Liz Moran,
16 and I'm the New York policy advocate for Earth
17 Justice. Earth Justice is a nonprofit public
18 interest law firm dedicated to protecting the
19 magnificent places, natural resources and wildlife --
20 wildlife of this earth, and defending the right of
21 all people to a healthy environment.

22 Earth Just -- Earth Justice urges the
23 Department to deny the Title Five Air Permit for the
24 Greenidge Generating Station, as it would not align
25 with the goals of the Climate Leadership and

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 Community Protection Act. The Department's action on
3 the Title Five permit for Greenidge will have far
4 reaching impacts across the state and beyond.

5 Proof of work cryptocurrency mining
6 consumes tremendous amounts of energy, which
7 generates tremendous amounts of greenhouse gas
8 emissions. For example, proof of work cryptocurrency
9 mining currently uses one hundred and thirty-three
10 point six eight terawatt hours per year of
11 electricity globally, more than three times as much
12 the data at the beginning of 2019.

13 By way of comparison, Bitcoin mining
14 consumed around half as much electricity as all of
15 the U.K. and more electricity per year than some
16 entire countries. This upward trend of electricity
17 usage and increasing greenhouse gas emissions is not
18 going to go away. Greenidge itself has told its
19 investors that it's assisting other Bitcoin mining
20 companies to replicate its model of owning a captive
21 low cost power source -- power source.

22 And this is just one company among
23 many. There are other towns that will be grappling
24 with this issue. The emissions at Greenidge
25 Generating Station have increased significantly in

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 recent years and the company's operations continue to
3 grow. Today, the greenhouse gas emissions at the
4 Greenidge Generating Station are skyrocketing. There
5 -- the company recently told investors it hopes to
6 have eighty-five megawatts of Bitcoin mining
7 operations onsite and an additional five hundred
8 megawatts of energy for Bitcoin mining elsewhere by
9 2025.

10 By Greenidge's own emission reporting
11 D.E.C., there was an approximately tenfold increase
12 in emissions in just 2020. For comparison,
13 Greenidge's emissions in 2020 equal the amount of
14 emissions of an additional fifty-one thousand twenty-
15 seven passenger vehicles on the road for one year.

16 And Greenidge's 2020 emissions were
17 that high even though the plant was only operating at
18 approximately seventeen percent of its total
19 capacity. New York State has goals under the
20 C.L.C.P.A. to reduce greenhouse gas emissions eighty
21 percent below 1990 levels by 2050, and to reduce
22 energy consumption and buildings by hundred and
23 eighty-five trillion British thermal units from 2025
24 projections.

25 The energy consumption from facilities

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 like Greenidge prevent the state from meeting these
3 important goals. Thank you for the opportunity to
4 testify today.

5 A.L.J. OLIVERI: Thank you. The next
6 speaker is Roger Downs. Yes.

7 MR. DOWNS: My name is Roger Downs.
8 I'm the Conservation Director for the Sierra Club
9 Atlantic chapter. We wish to thank the Department
10 for holding this public comment period on what is
11 typically a ministerial renewal of a Title Five Air
12 Permit. The operators of the Greenidge plant have
13 argued that nothing has changed since the Department
14 issued air permits five years ago, and renewals
15 should be proforma.

16 But clearly there have been two
17 profound changes. The original Title Five Air
18 Permitting process never contemplated the
19 construction of a behind the meter Bitcoin mine that
20 would turn a facility that only ran intermittently
21 during peak demand to a twenty-four seven operation
22 to produce cryptocurrency, and secondly, the 2019
23 enactment of our nation leading climate law that
24 seeks to reduce greenhouse gases forty percent by
25 2030, a goal that runs across the grain of an energy

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 hungry Bitcoin mine.

3 Combine these two factors create a new
4 project not covered under the old permit structure
5 that requires environmental review, and this current
6 air permit should be denied. When the Sierra Club
7 and others first challenge the repowering of the
8 Greenidge coal plant in 2014, we were urged by Cuomo
9 -- the Cuomo administration to understand that this
10 plant's operations would be needed if we hoped to
11 force the closure of dirtier coal powered sources in
12 the region.

13 We were assured that the Greenidge
14 Plant would use nowhere near their outsized
15 allotments of air pollution and water withdrawals
16 allowed by their permits because the plant would only
17 operate when peak demand made it profitable. But in
18 the first year, the Bitcoin mining facility started
19 operating, carbon dioxide emissions increased
20 tenfold. And that was only at a thirteen percent
21 capacity.

22 If we were to believe that Greenidge
23 intends to ramp up its capacity to thirty-two
24 thousand miners at ninety-five megawatts, it's
25 difficult to see how they're going to stay within the

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 limits of their permits, even before upstream
3 emissions are factored in. And at the risk of
4 setting a precedent that could spread to dozens of
5 other fossil fuel facilities across New York, D.E.C.
6 should reject this Title Five Air Permit renewal and
7 place a moratorium on the operation of all proof of
8 work cryptocurrency mining facilities until a full
9 environmental impact statement can demonstrate that
10 such facilities comply -- can comply with our climate
11 laws and not endanger New York's environment. Thank
12 you.

13 A.L.J. OLIVERI: Thank you. The next
14 speaker is Bill Mattingly. Bill Mattingly, are you
15 on the line? And if you're on the telephone, if you
16 could press star three?

17 Okay. The next speaker is Michael
18 Thomas. Michael Thomas, are you on the line? Okay.
19 The next speaker is David Alicea. David Alicea, if
20 you're on the line please let us know. The last name
21 is spelled A-L-I-C-E-A.

22 Okay. The next speaker is Alex
23 Beauchamp.

24 MR. BEAUCHAMP: Hi, can you hear me?

25 A.L.J. OLIVERI: Yes.

1 10-13-2021 - Greenidge Generation LLC - WebEx

2 MR. BEAUCHAMP: Okay. Thank you. I'm
3 Alex Beauchamp.

4 A.L.J. OLIVERI: Mr. Beauchamp, we're
5 having some trouble hearing you.

6 MR. BEAUCHAMP: Okay. I'm sorry. Is
7 that better?

8 A.L.J. OLIVERI: Yes.

9 MR. BEAUCHAMP: (unintelligible).

10 A.L.J. OLIVERI: If the re -- yes, I
11 just want to make sure the reporter can hear you.

12 MR. BEAUCHAMP: Okay. Sorry about
13 that. I'm on a bus actually on the -- on the way to
14 D.E.C. for the people versus fossil fuels action
15 where we are going to demand that President Biden
16 stop fossil fuel projects, but I'm -- I'm delighted
17 to have the opportunity to -- here today to demand
18 that Governor Hochul do the exact same thing.

19 And specifically demand that Governor
20 Hochul and the D.E.C. deny the Title Five Air Permit
21 for the Greenidge facility. You know, it's not that
22 we're even considering that we're in the middle of a
23 climate crisis. It isn't something in the distant
24 future. This is something that's happening to New
25 Yorkers now with the recent death after Hurricane

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 Ida, as serving as yet another tragic reminder of
3 just how high the stakes are.

4 And in that atmosphere, bare minimum
5 that New York can do, the bare minimum that Governor
6 Hochul can do and the bare minimum the D.E.C. can do
7 is to stop approving new fossil fuel projects. We
8 will never get to our emission reduction goals if we
9 keep approving facilities like Greenidge. But you
10 know, Greenidge isn't just a new fossil fuel project.
11 It's more like a zombie power plant. This is
12 something that we fought, that many fought long and
13 hard to stop dirty power plants and to retire them
14 all across New York State.

15 And make no mistake, if the D.E.C.
16 grants their permit, Greenidge will be the tip of the
17 iceberg. There are dozens of facilities across the
18 state that could be repowered just as this one has to
19 the power cryptocurrency mining operations. We
20 cannot let that happen. And the strongest possible
21 thing the state can do to prevent that from happening
22 is to deny the Title Five Air Permits.

23 I urge Governor Hochul to do that.
24 And as Roger just mentioned, we need a moratorium on
25 the approval of any similar cryptocurrency mining

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 operations anywhere in the state. Thanks so much.

3 A.L.J. OLIVERI: Thank you. Okay.
4 I'm going to go back to David Alicea. If you are on
5 the line, please let us know.

6 MR. ALICEA: Hi, thank you. My name
7 is David Alicea, and thank you for the opportunity to
8 testify at this hearing. I live in Wayne County, and
9 I'm here to ask the D.E.C. deny the air permit for
10 Greenidge. Seneca Lake is close to my heart. When I
11 started dating my now wife, we took frequent weekend
12 trips to Seneca Lake.

13 As a native Long Islander, it was just
14 the scenery was just jaw dropping. We loved the
15 wine. We loved meeting the people in the area, and
16 for my wife, it was just sort of returning home. She
17 lived nearby and used to vacation often in the Finger
18 Lakes.

19 In 2016, we were married at one of the
20 vineyards, just south of Greenidge. And we were so
21 excited to invite our friends and family to one of
22 our favorite parts of New York. Over the years,
23 we've seen how extreme weather puts peoples' lives
24 and the economic lifeblood of the region at risk.
25 We've seen extreme drought in the Finger Lakes, we've

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 seen extreme rain. We've seen it all.

3 And this extreme weather, it puts the
4 farmers, the winemakers and the ecological value of
5 our region at risk. And that's exactly the reason
6 why we can't allow Greenidge to continue operating
7 much less expand. The state legislator has already
8 made the decision, we need to be drying climate
9 pollution down.

10 And there is no way that this plant,
11 which is just continually increasing the output, its
12 output, can be compatible with our targets in the
13 Climate Leadership and Community Protection Act.
14 There are smarter and more environmentally friendly
15 ways to create investment in our local communities
16 and to create high paying union jobs.

17 Our state and in this region, we're
18 seeing investment in wind and solar facilities that
19 will support our schools, that will pay prevailing
20 wage and will allow us to move off fossil fuels. So
21 for the sake of our climate, and the sake of the
22 Finger Lakes, I ask the D.E.C. and Governor Hochul
23 deny the Title Five permit for Greenidge. And thank
24 you for your time.

25 A.L.J. OLIVERI: I have a request to

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 read out names just several at a time so people have
3 a heads up as to whether they will be called in the
4 next ten minutes or so. So I will start doing that.
5 The next several speakers will be Kimberly Bostwick,
6 Martha Upton, Jeff Schumann, Mary Finneran, Nivo
7 Rovedo, Robber Ciesielski, Denise Katzman. So our
8 next speaker I'll call will be Kimberly Bostwick.

9 MS. BOSTWICK: Am I supposed to unmute
10 myself or does somebody else unmute me?

11 A.L.J. OLIVERI: Yes, we can hear you.

12 MS. BOSTWICK: Okay. I just got on
13 this phone call. And I'd love to warm up. Is there
14 any way I can -- you can call me again in five or ten
15 minutes, or you just want me to go?

16 A.L.J. OLIVERI: I'm sure if you're
17 not ready to speak, I think I can go to the next
18 person and come back to you.

19 MS. BOSTWICK: I would greatly
20 appreciate that. Thank you.

21 A.L.J. OLIVERI: The next speaker is
22 Martha Upton. Martha Upton, are you on the line?
23 Okay. The next speaker is Jeff Schumann. Jeff
24 Schumann, are you on the line? Okay. The next
25 speaker is Mary Finneran.

1 10-13-2021 - Greenidge Generation LLC - WebEx

2 MS. FINNERAN: Hello.

3 A.L.J. OLIVERI: Hi, Ms. Finneran.

4 MS. FINNERAN: Yes.

5 A.L.J. OLIVERI: Okay. Yes, go ahead.

6 MS. FINNERAN: Thank you. The D.E.C.

7 must deny the Title Five and Title Four permit
8 renewals for the Greenidge Power Plant as they are
9 inappropriate. The project and laws including the
10 recent C.L.C.P.A. are different now. It's a request
11 for money for profit and for admiration for those who
12 have accrued far more than needed to be at the
13 expense of life itself.

14 I don't think I'm being hyperbolic
15 when I asked if Greenidge's proof of work crypto
16 miners understand that the planet is truly at a
17 crisis point and all the climate destroying G.H.D.
18 emitting natural gas produced electricity, they use
19 (unintelligible) will contribute more and more to
20 fire, floods, the huge flora and fauna extinctions
21 into migrations of people on an unprecedented scale,
22 with exponentially fewer and fewer habitable places
23 on earth.

24 Maybe the crypto miners live to their
25 virtual coins and don't care that their grandchildren

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 won't know the same planet. Maybe they will read
3 stories to their grandchildren about elephants like
4 we heard about dinosaurs. Maybe the miners don't get
5 excited when they see the eagle's triumphant return
6 or care that their grandchildren might see the
7 eagle's complete demise.

8 The national bird becoming a
9 historical myth. Maybe they don't care that their
10 children's children won't have a swing from a shady
11 maple, enjoy the lawn in a city park, climbing apple
12 tree to steal the fruit and make a whistle from an
13 acorn blade of grass. I don't care to live in a
14 planet without chickadees myself.

15 Bottom line, proof of work
16 cryptocurrency adds to G.H.D. levels in an
17 unsustainable and climate decimating degree and must
18 be stopped. Deny the Title Five and Title Four
19 permits. Deny the use of the Greenidge Plant for
20 private profit for very few, deny all future proof of
21 work crypto mining, or deny our children and their
22 children's children a planet worth living on. You
23 have the power, please use it wisely. Thank you.

24 A.L.J. OLIVERI: Thank you. Mr.
25 Schumann, are you on the line please? And if you're

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 on the phone, please press star three. Okay. The
3 next speaker is Nivo Rovedo. Nivo Rovedo, if you're
4 on the line, please let us know or press star three
5 to raise your hand if you're on the telephone. Okay.
6 Kimberly Bostwick, are you prepared to speak at this
7 time? Okay. I'll come back to you, Ms. Bostwick.

8 The next speaker is Robert Ciesielski.
9 Is Robert Ciesielski on the line, please? And if
10 you're on the phone, please press star three. Okay.
11 The next speaker is Denise Katzman.

12 MS. KATCHMAR: Can you tell her?

13 MR. ROVEDO: Hello.

14 MS. KATCHMAR: Who's unmuted right
15 now?

16 MR. ROVEDO: Hello. Can you hear me?

17 A.L.J. OLIVERI: Yes. Who is this,
18 please?

19 MR. ROVEDO: Yes, this is Nivo Rovedo.
20 Before, I couldn't unmute myself and you didn't
21 unmute me.

22 MS. KATCHMAR: We were experiencing
23 technical difficulties with Webex.

24 MR. ROVEDO: Oh, okay. Well, I'm glad
25 you got me back on. Can I start?

1 10-13-2021 - Greenidge Generation LLC - WebEx

2 A.L.J. OLIVERI: Yes, go ahead, Mr.

3 Rovedo.

4 MR. ROVEDO: Thank you. My name is

5 Nivo Rovedo, and I live in the Lagrangeville, New

6 York. I totally oppose the Article Five and Four

7 permitting for the Greenidge facility. I urge the

8 D.E.C. to deny the permits. The expansion of this is

9 not to help the greater society but to mine Bitcoin.

10 These permits would greatly increase

11 the greenhouse gas emissions for the plant and for

12 what, there is no good coming from some game of

13 calculations that produce imaginary cryptocurrencies,

14 intangible ones and zeros. There is no benefit to

15 society. This would adversely impact Seneca's Lake

16 water quality, the air, the agriculture, the human

17 health and tourism in the area.

18 It is a threat to the natural beauty

19 of the regions and the important environmental

20 resources there. The permit would make it more

21 difficult for the state to meet its climate goals

22 under the C.L.C.P.A., and the third thing is I'd like

23 to point out is that the permitting would set a very

24 bad precedent for others who are trying to use this

25 scheme for cryptocurrency mining, this folly.

1 10-13-2021 - Greenidge Generation LLC - WebEx

2 This must be stopped. It makes no
3 sense to waste the resources in this way for this
4 kind of an endeavor. There are more helpful ways for
5 the town to get revenue then destroying the
6 environment for this. Thank you.

7 A.L.J. OLIVERI: Thank you, Mr.
8 Rovedo. I will go back to Kimberly Bostwick.

9 MS. BOSTWICK: Oh, there it is. Hi.

10 A.L.J. OLIVERI: Hi.

11 MS. BOSTWICK: Can you hear me now?

12 A.L.J. OLIVERI: Yes, thank you.

13 MS. BOSTWICK: Yeah. I was just muted
14 and couldn't get unmuted. Okay. So my name is Kim
15 Bostwick. I live in Covert, New York, which is in
16 Seneca County, just over the border from Trumansburg,
17 and north of Ithaca, New York. I am a evolutionary
18 biologist. I study birds. I'm a mother, and I do
19 permaculture homesteading. I eat local foods.

20 I am a stand that Governor Hochul and
21 the D.E.C. do their jobs to deny the Title Five Air
22 Permit renewal for Greenidge -- for Greenidge. There
23 is a lot that could be said about this, even if --
24 even if just heating up the waters to -- to generate
25 the energy of Seneca Lake wasn't a good enough

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 reason. And even if the trout steam -- trout in the
3 stream that they release their water in weren't
4 vulnerable, this would be a bad idea. Even if this
5 didn't involve bringing fuel, even if this didn't
6 involve particulate matter downstream of the air.
7 There's so many reasons why this is a bad idea even
8 if there wasn't climate change. But with climate
9 change and with the world struggling in a battle to
10 move towards reduced emissions and New York State
11 itself having tried to take a bold leadership role in
12 this with its own climate goals, this -- the
13 existence of this plant is a -- it exists in the face
14 of all of the things we're trying to -- to do to
15 improve the lives of the people of New York and the
16 people of the world in general.

17 And for the -- for this reason above
18 all others it just does not make sense. Let me see
19 if there is anything else I would want to say about
20 that. Yeah. It just doesn't make any sense. And --
21 and essentially, I think you can look at what has
22 happened in the last couple of years with the
23 Greenidge facility and the mining of Bitcoin and see
24 that essentially the -- the corporate interest found
25 a way into the state before -- before the state had a

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 chance -- before people could even know to stop it
3 and they snuck in.

4 But now we know that we're here, we
5 know they're not in our interest and it's time to let
6 them not get away with the loophole or the little
7 thing, the little in that they found. It's time to
8 shut that door. They never should have been here in
9 the first place. So yes, I -- I reiterate, I'm a
10 stand that Governor Hochul direct the D.E.C. to deny
11 the Title Five Air Permit renewal for Greenidge.
12 It's just -- just the wrong thing for so many
13 reasons. Thank you.

14 A.L.J. OLIVERI: Okay. Thank you. I
15 will call Martha Upton again. Martha Upton, are you
16 on the line? And if you're on the phone, please
17 press star three. Okay. Next Jeff Schumann, are you
18 on the line? And if you're on the phone, please
19 press star three. Okay. The next speaker is --

20 MR. SCHUMANN: Can you -- can you hear
21 me?

22 A.L.J. OLIVERI: Oh, I'm sorry. Yes.
23 Is this Mr. Schumann?

24 MR. SCHUMANN: Yes, it is. Sorry.
25 We're having, I guess, technical problems. I wasn't

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 able to unmute myself.

3 A.L.J. OLIVERI: Okay.

4 MR. SCHUMANN: So my name is Jeff
5 Schumann. I'm a resident in New York. I oppose the
6 renewal of the Title Five Air Permit for Greenidge
7 L.L.C. If approved, the greenhouse gas emissions
8 that run each plant will increase remarkably, making
9 it much more difficult for New York to meet the
10 C.L.C.P.A. goals of forty percent reduction in
11 greenhouse gas emissions by 2030 and eighty-five
12 percent by 2050.

13 So therefore, a renewal of the permit
14 is in opposition to the C.L.C.P.A. I'd also like to
15 note that the plant uses fracked gas to generate
16 electricity and the drilling, transportation and
17 burning of fracked gas increases atmospheric methane,
18 which is a major, major driver in global warming.

19 I'd like also point out, it's been
20 said before, that the original Title Five Air Permit,
21 there is no mention of the plant being used for
22 Bitcoin mining, which has been noted requires a high
23 demand for electricity, not just for the computers,
24 but for cooling as well.

25 So it seems to me that the new Bitcoin

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 operation is not in accord with the original permit,
3 and therefore, the D.E.C. should treat this
4 application as a new with that -- with the cool
5 environmental impact statement required. I also want
6 to just quickly point out that the -- it's been
7 mentioned that Greenidge was carbon neutral, I think
8 that's my mind is greenwashing.

9 If Greenidge L.L.C. was truly carbon
10 neutral, they would be using that for renewable
11 resources for their generation, not fracked gas.
12 Thank you.

13 A.L.J. OLIVERI: Thank you. The next
14 speaker is Robert Ciesielski. Robert Ciesielski, if
15 you're on the phone, if you could press star three?

16 MR. CIESIELSKI: Hello.

17 A.L.J. OLIVERI: Hello.

18 MR. CIESIELSKI: Can you hear me?

19 A.L.J. OLIVERI: Yes, I can.

20 MR. CIESIELSKI: Okay. I'm sorry. I
21 thought I was unmuted. Good afternoon. I'm Bob
22 Ciesielski. I'm a volunteer with the Sierra Club and
23 chair of the chapters Energy Committee. The
24 Greenidge facility was granted permission by New York
25 State several years ago to reopen and operate several

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 weeks a year as a gas powered peaker plant to provide
3 necessary electricity at times of high demand.

4 This purpose has been trimmed and
5 transformed by the plants owner to behind the meter,
6 private proof of work Bitcoin mining operation, which
7 provides no social benefits. Management has --
8 management's estimated emissions by the Greenidge
9 Bitcoin facility is considerably understated under
10 New York law.

11 The Climate Leadership and Community
12 Protection Act requires that greenhouse gas emissions
13 must include those produced upstream of the facility,
14 including the high volume drilling for fracked
15 methane gas, which is used as a fuel at the facility,
16 its storage and transportation by truck or pipeline,
17 all required in the fueling process.

18 Methane itself is a dangerous
19 greenhouse gas retaining eighty-six times the heat of
20 an equal amount of CO₂ in the first twenty years of
21 its release to the atmosphere. The pollution of
22 upstream methane emissions places the CO₂ equivalent
23 release significant -- significantly above Title Five
24 standards.

25 The goal of Greenidge management is to

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 utilize at least ninety-six megawatts of electricity
3 year round, powered by fracked methane gas for mining
4 of this speculative currency. The process will
5 provide huge profits for the company owners and also
6 maintain a market for the out of state frack gas
7 industry.

8 But it will do so at the expense of
9 huge unnecessary energy usage and increased
10 greenhouse gas emissions contrary to the state's
11 clean energy standard, and the Climate Leadership and
12 Community Protection Acts goals of reducing manmade
13 emissions in light of the climate change emergency.
14 Thank you.

15 A.L.J. OLIVERI: Thank you. I'll read
16 off the next several names so that everyone can be
17 prepared for their name to be called. Denise
18 Katzman, Miles McManus, Tessa Sage Flores, David
19 Keegan, Johanna Faller, Thomas Ned Bailey and Mark
20 Dunlea.

21 The next speaker will be Denise
22 Katzman. Denise Katzman, are you on the line? And
23 if you're on the phone, please press star three.

24 MS. KATCHMAR: Denise was unmuted.

25 A.L.J. OLIVERI: Katzman, are you on

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 the line? Okay. The next speaker is Miles McManus.
3 Miles McManus, if you're on the line, please let us
4 know, or press star three on your telephone.

5 MR. MCMANUS: Hello, can you hear me
6 now?

7 A.L.J. OLIVERI: Yes.

8 MR. MCMANUS: Great. Thank you. My
9 name is Miles McManus, and I live in New York City.
10 I am here today to oppose Greenidge's permit
11 applications. As a parent and a proud New Yorker,
12 I've been active on climate issues in the state for
13 years. I'm used to seeing energy companies put
14 profits over people.

15 But when I learned what Greenidge was
16 doing, I was honestly speechless. As far as I know,
17 this is the first time that a corporation has dared
18 to assault New York's environmental and community
19 health for profit without even pretending to provide
20 a public benefit for the emissions that were
21 generated.

22 Now, no one who allows this to
23 continue can call themselves a public servant.
24 Despite Greenidge's shameless greenwashing, burning
25 fracked gas to mine Bitcoin is obviously in conflict

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 with New York State law and the guidance from every
3 reputable scientific and energy body in the world.
4 We must end fossil fuels now.

5 Unfortunately, under ex-Governor
6 Cuomo, Commissioner Seggos and the D.E.C. have been
7 slow walking C.L.C.P.A. implementation and abdicating
8 their responsibility to protect the people of New
9 York State. Their priority was to protect their boss
10 from corporate blowback and hits to his campaign
11 funding. But the Cuomo Era is over.

12 Governor Hochul, it's time for you to
13 pick a side. You're either with the people of New
14 York or against us. If you're interested in a future
15 in New York State politics, we need you to step in
16 now. Please remind Commissioner Seggos what D.E.C.
17 stands for. Deny Greenidge's permits and ban behind
18 the meter Bitcoin mining immediately. Then show us
19 what real leadership looks like.

20 Ban all new fossil fuel infrastructure
21 and get our union neighbors new, good paying jobs,
22 moving the state to one hundred percent renewables
23 now before it's too late. Thank you.

24 A.L.J. OLIVIERI: The next speaker is
25 Tessa Sage Flores. Tessa Sage Flores, if you're on

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 the line, please let us know, or press star three if
3 you're on the telephone.

4 MS. KATCHMAR: So I am unmuting Tessa,
5 if -- okay, you're on -- but her line is muting and
6 unmuting, so I don't know if she's having a problem
7 on her end. Hello, Tessa, are you there?

8 MS. FLORES: Well, I would like to be,
9 but I'm not sure that you can --

10 MS. KATCHMAR: Yes.

11 MS. FLORES: -- hear me.

12 MS. KATCHMAR: We can.

13 MS. FLORES: Okay, great. Hi. My name
14 is Tessa Sage Flores. I reside in the town of
15 Ithaca. And I'm here to urge Governor Hochul to
16 direct the D.E.C. to deny Greenidge's Title Five and
17 -- well, both Four and Five Air Permit. As you all
18 know by now, New York State has committed to the most
19 aggressive clean energy and climate agenda in the
20 country by passing the Climate Leadership and
21 Community Protection Act. Greenidge's bid to renew
22 their Title Four and Five Air Permit is precedenting
23 -- precedent setting case for other potential New
24 York facilities like the Fortistar plant in North
25 Tonawanda.

1 10-13-2021 - Greenidge Generation LLC - WebEx

2 Let's not let this thing get started.

3 Let's stop it now. A C.L.P.A. advisory panel found
4 that New York State can cut CO emissions up to forty
5 percent by 2030 if we eliminate fifty percent of our
6 greenhouse gas emitting facilities, and only produce
7 fifteen million tons of CO equivalents per year. If
8 Greenidge is allowed to expand their capacity, they
9 alone are projected to produce one million of those
10 fifteen million tons. And this is not a sustainable
11 model.

12 In 2020, Greenidge's emissions equaled
13 more than fifty-one thousand additional passenger
14 vehicles on the road for one year. They are already
15 producing too many emissions to be consistent with a
16 sustainable future for New York State. Currently,
17 Greenidge is no longer operating to provide power to
18 the public, and has become largely a private
19 operation to mine Bitcoin.

20 The company and its investors are
21 reaping the financial rewards. And the people of New
22 York and the environment are absorbing the impacts of
23 its intensive energy use. And I see my time is up
24 and I'm a mother and a grandmother and I want a
25 sustainable world -- world for my grandchildren's

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 grandchildren. And to get that we have to stop this
3 kind of thing right now. Thank you.

4 A.L.J. OLIVIERI: The next speaker is
5 David Keegan.

6 MR. KEEGAN: Hello -- hello, can you
7 hear me?

8 A.L.J. OLIVIERI: Yes.

9 MR. KEEGAN: Hi. My name is David
10 Keegan, and I live in Brooklyn, New York. And I
11 would like to say that I think the Title Five and
12 Title Four permits should be denied for this project.
13 My wife is a -- is a nurse at the emergency room at -
14 - at Bellevue City Hospital in New York. And the day
15 after Hurricane Ida, she could barely get into work.
16 Subways weren't running, the roads were -- were --
17 were messed up and as -- as you know, I think more
18 than forty people died in our area.

19 Disasters like Ida are going to get
20 worse in the future as climate change -- as the
21 effects of climate change increase, and the people of
22 New York -- taxpayers of New York are going to be on
23 the line for -- paying for billions of dollars of
24 protection against rising seas and who allow a
25 project to go forward to mine Bitcoin that will

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 generate a lot of energy just seems like a -- the
3 wrong move right now. So thank you for listening,
4 and I yield my time.

5 A.L.J. OLIVIERI: Thank you. The next
6 speaker is Johanna Fallert.

7 MS. FALLERT: Good afternoon. Can you
8 hear me?

9 A.L.J. OLIVIERI: Yes. Thank you.

10 MS. FALLERT: Your Honor, my name is
11 Johanna Fallert. I live in Poughkeepsie. I'm a
12 member of Mothers Out Front, a grass root movement
13 that advocates for a livable climate today and for
14 our children's future. The Greenidge Power Plant
15 should not be granted a Title Five Air Permit,
16 because the electricity it generates is not vitally
17 needed by the people of the Seneca region.

18 A close look at the operation of this
19 facility shows that Greenidge threatens the air, the
20 water (unintelligible) and is destroying the lake's
21 sustainability as the lake trout capital of the
22 world. Above all those, Greenidge contributes to the
23 existential threat we are experiencing from climate
24 warming and emergency that we should work urgently to
25 mitigate. In 2011 Greenidge was shut down because

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 there was not a sufficient demand for electricity.

3 New owners lobbied state officials
4 winning a grant to convert coal burning facility to
5 natural fracked gas. The D.E.C. granted permits for
6 its operation and even waived the normal requirement
7 for an environmental impact statement because it
8 believed that there would be no new demand for
9 electricity regeneration. Soon after, Greenidge
10 started operations it turned to Bitcoin mining with
11 its intense and growing demand for electricity.

12 Greenidge does not serve the public,
13 it serves the needs of investors. Tax payments to
14 the region do not offset the harm Greenidge poses.
15 Consider that Greenidge was piping fracked natural
16 gas that leads methane from the moment it is
17 extracted and transported to the plant. Methane is
18 far more potent in heating the atmosphere over a
19 twelve to twenty-year period, the critical window of
20 time we have to beat back irreversible climate change
21 that will make our world a living hell.

22 By its own estimates, Greenidge will
23 emit millions of tons of carbon dioxide that lasts
24 hundreds of years as a climate warming greenhouse
25 gas. There's not enough time to detail the harm

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 caused by a seven-foot diameter water intake pipe
3 greater than the length of two football fields before
4 it gets below the surface of Seneca Lake or the harm
5 from the hot water discharge (unintelligible) that
6 changes the normal temperature of the lake.

7 These and other issues raised today
8 require the public service commission to follow the
9 signs and deny the Title Five Air Permit. Thank you
10 for your consideration.

11 A.L.J. OLIVIERI: Thank you. The next
12 speaker is Thomas Nadbielny. Thomas Nadbielny, if
13 you're on the telephone, please press star three.
14 Okay, the next speaker is Mark. The last name is not
15 clear, but it looks like it's Dunlea.

16 MR. DUNLEA: It's Mark Dunlea. And I
17 submit these comments as chair of the Green Education
18 and Legal Fund to request that D.E.C. and the Hochul
19 administration do not issue the air Title Five
20 facility permit for Greenidge Generating Station as
21 currently drafted. The power plant with its new use
22 as a Bitcoin mining operation and its enormous
23 increases in greenhouse gas emissions will adversely
24 impact our water and air quality, degrade in the
25 pastoral nature of the region, and damaging vital

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 environmental resources and/or health.

3 This facility will not promote the
4 aesthetic cultural or commercial values that have
5 made the Finger Lakes a premier destination. This
6 facility and others like it will prevent the state
7 from meeting its critical climate goals established
8 under the C.L.C.P.A. Facilities -- these types of
9 Bitcoin operations already having a major negative
10 impact on climate changes worldwide resulting in
11 significant increases in greenhouse emissions.

12 Greenidge is a precedent setting case
13 for other New York facilities, as is the Fortistar
14 Plant and North Tonawanda. The G.H., greenhouse gas
15 emissions, at the generating facility are -- are
16 skyrocketing. C.L.C.P.A. advisory panel found that
17 New York state can cut emissions up to forty percent
18 by 2030 if we eliminate fifty percent of the
19 greenhouse gas emitted facilities, not add them.

20 Dr. Bob Howard, Cornell University,
21 member of the Climate Action Council, said we can
22 make the cuts by quickly ramping up renewable energy
23 sources, but we cannot do it if we have Greenidge and
24 other -- and other Greenidge like plants. Most of
25 the energy generated in this plant is not going to

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 the grid, instead being used by a private tech
3 company with the financial rewards remaining with the
4 company because Greenidge threatens the environmental
5 and economic sustainability of the region is a
6 precedent setting case for other aging power plants
7 in New York and it's not consistent with C.L.C.P.A.

8 GELF requests that Governor Hochul and
9 D.E.C. deny the Title Five Air Permit for Greenidge.
10 Thank you.

11 A.L.J. OLIVIERI: I'll read off the
12 next several names I will call. Iris Hisk, Brian
13 Eden, Michael Davis, Timothy Dennis, Brian Ackert,
14 Jess Mullen, James, the last name is unclear. The
15 email starts with J-X-K. Then Cyrus Umrigar, Valdi
16 Weiderpass and Maura Stephens.

17 The next speaker I'll call is Iris,
18 and the last name looks like it's Hisk. Iris Hisk,
19 if you're on the telephone please press star three.

20 MS. KATZMAN: Hello, it's Denise --
21 it's Denise Katzman. Can you hear me?

22 A.L.J. OLIVIERI: Oh, okay, Ms.
23 Katzman, I did not call --

24 MS. KATZMAN: Well, there were --
25 there were -- I'm sorry. But there were major

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 problems with me doing this virtually, so I'm on the
3 phone.

4 A.L.J. OLIVIERI: Okay.

5 MS. KATZMAN: May I speak now?

6 A.L.J. OLIVIERI: Yeah, yes, yes. I
7 see your name. We tried to call you. Go ahead.

8 MS. KATZMAN: Yes, thank you. D.E.C.,
9 thank you for this vitally important hearing. There
10 is significant evidence that allowing Greenidge to
11 expand will increase methane G.H.G., which is a
12 perpetual violation of the C.L.C.P.A. and New York
13 State's Paris Agreement participation. Methane,
14 noise and the intense heat mining computers throw off
15 are Greenidge's constant anthropogenic pollution.
16 The former coal plant can transition to geothermal.

17 Two of the largest utilities in New
18 York State Con Ed and National Grid created community
19 scale geothermal, that's the legacy New Yorkers
20 deserve. Geothermal mitigates climate crisis, aligns
21 with the C.L.C.P.A. and Paris Agreement. And whoever
22 spoke at the top of this from Yates County lied.
23 Carbon neutral doesn't use methane. D.E.C.,
24 protecting clean air and H two O ecosystems is your
25 mandate. Allowing Greenidge to expand is an

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 outrageous determination.

3 This is personal due to what I just
4 said. And I work with a NYSEERDA portfolio company
5 that lessens the heat island syndrome. New York
6 State has the highest hash rate, nineteen point nine
7 percent, in the U.S. collective mining sector. 2015,
8 the New York State Department of Finance allowed an
9 exemption for miners and mining pools. This must
10 end. May 2019, Atlas Holdings, Greenidge's parents
11 received NASDAQ noncompliance notices.

12 August 31, 2020, Atlas received an
13 S.E.C. hearing's panel delist determination for
14 noncompliance with S.E.C. Regs. There is a current
15 lawsuit regarding that and it further justifies that
16 Atlas and Greenidge can't be trusted. No one can
17 verify cryptocurrency's originator. Its facilities
18 and value are highly volatile and risk management is
19 neglected. Prior Bitcoin operations in New York
20 State failed.

21 2019 Plattsburgh, New York, residents
22 saw their energy bills skyrocket, and a Bitcoin
23 mining moratorium was instituted. The S.E.C. is
24 addressing climate protection as a top priority along
25 with fraud and ransomware. This week on Monday,

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 Jamie Diamond, exec -- chief executive of the largest
3 bank in the U.S., J.P. Morgan Chase, he personally
4 and holistically gets it right. Bitcoin "it's
5 worthless, the bank won't custody it". Assembly
6 Member -- I'm in Ithaca, New York. Assembly Member
7 Anna Kelles' moratorium was not a job killer, has to
8 been made a factually false decision to oppose.
9 September 8, (unintelligible) tweet --
10 A.L.J. OLIVIERI: Ms. Katzman --
11 MS. KATZMAN: -- Greenidge have --
12 A.L.J. OLIVIERI: -- you're going to
13 have to --
14 MS. KATZMAN: (unintelligible).
15 A.L.J. OLIVIERI: You're going to have
16 to summarize --
17 MS. KATZMAN: I have a few --
18 A.L.J. OLIVIERI: -- your comments.
19 MS. KATZMAN: I have a few more words.
20 Greenidge has not shown compliance with New York's
21 climate law. Fabulous Gov. Kathy, I demand that you
22 must deny Greenidge's Air Permits and expansion.
23 Atlas take your "model for the industry and hang your
24 shingle in taxes." The former coal plant on Seneca
25 Lake must be decommissioned and revitalized as a

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 geothermal plant with solar and energy storage,
3 clean, resilient energy for Upstate New York, that's
4 a positive D.E.C. legacy. Thank you.

5 A.L.J. OLIVIERI: Okay. Thank you.

6 The next speaker is Brian Eden.

7 MR. EDEN: Hi, am I -- I'm ready?

8 A.L.J. OLIVIERI: Yes, go ahead.

9 Thank you.

10 MR. EDEN: In April 2014, Atlas
11 Holdings of Connecticut, a private investment firm
12 whose business model was to acquire companies under
13 financial and operational stress purchased a plant
14 with the intent of reopening it as a coal fired
15 peaker plant. What was Atlas plan for profitability
16 of a closed age coal electric facility in an era of
17 coal plant closures? It appeared to include large
18 public subsidies enlightened regulation.

19 I wanted to go extensively into the
20 meeting that was held in the executive chambers in
21 March 2015 that has a lot of questionable, you know,
22 political donations and insider lobbying
23 considerations, but I -- I -- there's no time for
24 that. So I'll just say that three months later, the
25 -- the D.E.C. approved that there would not be an

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 environmental impact statement, so this was not
3 transparent.

4 So we've had a lot of issues in New
5 York with Governor Cuomo's political cronyism and I'm
6 -- I see this as another evidence of his cronyism.
7 If you look at the background, you'll see that I was
8 a -- I'm an ethics advisory board member in my county
9 and our focus is to develop a new set of best
10 practice principles to serve as a guide for ethical
11 behavior and the appearance of adherence to such
12 principles as a critical to public trust in
13 government and agencies.

14 Governor Hochul last week, issued
15 restoring trust in government is a top priority
16 initiative. And she's turning the Joint Committee on
17 political ethics upside down. And I will be calling
18 upon my New York legislators, so the whole
19 legislative hearings to assess the performance of New
20 York State D.E.C. under -- during the Cuomo
21 administration. Hopefully we shall achieve more
22 merit -- meritorious agency decision-making in the
23 future.

24 Maneuvers are in this hearing having
25 speculated that a proper political influence as long

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 and present and numerous other permit reviews. Atlas
3 should not continue to receive the benefits of the
4 poison fruit from the lack of an adequate
5 environmental review in 2015. Thank you.

6 A.L.J. OLIVIERI: Thank you. The next
7 speaker is Michael Davis.

8 MR DAVIS: Can you hear me?

9 A.L.J. OLIVIERI: Yes.

10 MR DAVIS: Hi, my name is Michael
11 Davis. I live in Clyde, New York, in Wayne County.
12 I'm the business manager for the International
13 Brotherhood of Electrical Workers in Geneva. I have
14 people who work in this facility (unintelligible).
15 While there's been a great deal of noise about
16 Greenidge lately, there should be no ambiguity about
17 where our loyalty falls at the I.B.E.W. Local 840.
18 We stand with Greenidge because we know their track
19 record.

20 We have people working in there daily,
21 we see their commitment to the environment, to safety
22 and their community at large. During the worst of
23 the COVID-19, Greenidge has fully approved Bitcoin
24 mining operation provided our workers via partnership
25 with O'Connell Electric with steady employment day

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 after day supporting their families.

3 Greenidge is not seeking to increase
4 their power generation capacity. What they are doing
5 with our help is creating high tech jobs of the
6 future right here in Upstate New York. We encourage
7 the Department to swiftly complete their work and
8 issue the final Title Five Air Permit for Greenidge.
9 Thank you very much for your time.

10 A.L.J. OLIVIERI: Thank you. The next
11 speaker is Brian Ackert (phonetic spelling). Brian
12 Ackert, are you on the line? If you're on the
13 telephone, please press star three. Okay, the next
14 speaker is Timothy Dennis. Timothy Dennis, are you
15 on the line?

16 MR. DENNIS: Hello.

17 A.L.J. OLIVIERI: Hi, is this Mr.
18 Dennis?

19 MR. DENNIS: Hello? Yes, can you hear
20 me?

21 A.L.J. OLIVIERI: Yes.

22 MR. DENNIS: Okay, can I start?

23 A.L.J. OLIVIERI: Yes, go ahead.

24 Thank you.

25 MR. DENNIS: I am Timothy Dennis from

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 Penn Yan, New York. I served twelve years on the
3 Yates County Legislature representing District Two in
4 which Greenidge is located. In addition, I served
5 four years as finance committee chairman and four
6 years as chairman of the legislature, the highest
7 elected office in Yates County. I enthusiastically
8 support Greenidge Generation and their application
9 for renewal of air permits.

10 They have an unblemished record of
11 complying with D.E.C. regulations. Compared to 1990,
12 the air emissions today are reduced by seventy
13 percent. Greenidge is an economic driver at our
14 small rural community. The increased property taxes,
15 sales tax and pilot payments had significantly helped
16 to offset increases in real property tax. From two
17 employees in 2014, the workforce has grown to over
18 forty. The average wage is about double the Yates
19 County overall average.

20 Greenidge has established a
21 philanthropic position in the county with significant
22 grants to our soldiers and sailor's hospital,
23 community center, outlet trail, sheriff's camp,
24 habitat for humanity and many more. It is
25 significant that the Yates County legislature had

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 unanimously endorsed Greenidge and its air permit
3 application. Those who speak from the negative side
4 certainly do not represent the majority of the
5 residents of the village of Dresden, Town of Torrey
6 or Yates County.

7 I submit that many claims that state
8 such things as Greenidge is destroying or even
9 harming Seneca Lake, Greenidge will harm the wine and
10 tourism industry or there is no benefit to the
11 community are mere emotional reactions with no basis
12 and fact. The previously referenced draft nine
13 element plan for Seneca and Keuka Lake watershed
14 makes no mention of Greenidge Generation with regard
15 to degradation of Seneca Lake.

16 I thank you for this time. I want to
17 clarify that I'm chairman of the Greenidge Community
18 Advisory Committee, which was formed in February of
19 2021. Thank you.

20 A.L.J. OLIVIERI: Thank you. I'm
21 calling Brian Ackert one more time. Brian Ackert,
22 are you on the line? Okay, the next speaker is Jess
23 Mullen.

24 MS. MULLEN: Hi, can you hear me?

25 A.L.J. OLIVIERI: Yes. Go ahead.

1 10-13-2021 - Greenidge Generation LLC - WebEx

2 MS. MULLEN: Thanks. I'm Jess Mullen,
3 and I live in Kingston. Thanks for the chance to
4 speak today. The recently proposed moratorium on
5 proof of work cryptocurrency mining needs to be
6 prioritized by legislators and the D.E.C. needs to
7 uphold the C.L.C.P.A. and deny the air permitting for
8 Greenidge Generation. A few years ago I purchased
9 Bitcoin, Ethereum and a few other random
10 cryptocurrencies. At that time, I couldn't imagine
11 the negative impacts that cryptocurrencies -- many of
12 them have on the climate crisis. But the truth is
13 out.

14 When I learned about Greenidge's use
15 of fossil fuels to meet Bitcoins energy intensive
16 needs, I got rid of my Bitcoin along with the other
17 cryptocurrencies I held. I researched more
18 environmentally responsible currencies that don't use
19 the energy intensive proof of work system. There's a
20 long growing list of crypto options that don't use
21 proof of work. Now, I hold one cryptocurrency called
22 Cardano, which uses the proof of stake system.

23 So it requires far less energy than
24 proof of work currencies like Bitcoin need to use.
25 And if it turns out that it's not as sustainable as

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 the industry is saying, I'll sell that too. But that
3 brings us to the huge problem we're facing. We're
4 allowing a free for all to happen with
5 cryptocurrencies. They operate unfettered by
6 regulations that traditional industries are required
7 to adhere to because they can. The government has
8 not caught up with the technology enough to make
9 policies that require Bitcoin to use less energy.

10 And here in New York, we have this
11 novel strange issue of fracked gas plant sacrificing
12 the clean air and health of New Yorkers in the name
13 of cryptocurrency because they can, it's just absurd.
14 It's mind blowing, but we need to catch up to
15 reality. Greenidge burns fracked gas and our state
16 climate law states that we must transition off fossil
17 fuels. Greenidge is against our state climate law.

18 According to estimates from the
19 digital (unintelligible), Bitcoin energy consumption
20 index, a single Bitcoin transaction uses enough
21 electricity that could power an average U.S.
22 household for sixty days. There's no way that we
23 will meet our state climate goal of reducing our
24 emissions by eighty-five percent by 2050 if Greenidge
25 isn't stopped. Please adhere to this C.L.C.P.A. and

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 deny the air permits. Thank you.

3 A.L.J. OLIVIERI: Thank you. The next
4 speaker -- first name has his name James. The last
5 name was not put down. The email starts with J-X-K.
6 And if you're on the phone, please press star three.
7 Okay, the next speaker is Cyrus Umrigar.

8 MR. UMRIGAR: Hi, can you hear me?

9 A.L.J. OLIVIERI: Yes.

10 MR. UMRIGAR: Oh, you can? Okay,
11 because it still shows me muted. Okay, great. I'm
12 Cyrus Umrigar, and I'm speaking on behalf of my wife,
13 Julie Hanson and myself. We live in Brooktondale,
14 New York. We would like to ask the D.E.C. to deny
15 the permit. We -- we see absolutely no social value
16 in Bitcoin mining. Cryptocurrencies are just
17 speculation, they make a few people rich, but they
18 create no inherent wealth. There is nothing of value
19 in them.

20 If they can be done without a huge
21 expenditure of energy, fine, I'm not opposed to that.
22 But -- but what we are talking about is an enormous
23 use of energy. Bitcoin mining around the world uses
24 more energy than the entire country of Finland, the
25 entire country of Denmark, the entire country of

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 Sweden, it's ridiculous. In this time, you know,
3 when we are facing an existential climate to -- to
4 waste our resources on that is absolutely ridiculous.

5 Now, I certainly appreciate that the
6 power plant creates some local jobs, and we do need
7 local jobs. But against that, you have to consider
8 all the jobs that are being destroyed, and not just
9 jobs, or the lives that are being destroyed. I mean,
10 how many wildfires? How many hurricanes? How many
11 lives lost do we need to have before we wake up and
12 stop this insanity? So I would also like to refute
13 some things that were said by people who were on --
14 in favor of it.

15 One person said that it is carbon
16 neutral, that's a ridiculous claim, it cannot be.
17 One -- somebody said that the power outages in Texas
18 were due to solar and wind that was not the case.
19 The fossil fuel plants failed as well. So please
20 deny the permit. If -- if it was used -- if -- if it
21 was being used for powering houses, our industry
22 that's one thing, but for cryptocurrencies, no, thank
23 you.

24 A.L.J. OLIVIERI: Thank you. The next
25 speaker is Valdi Weiderpass.

1 10-13-2021 - Greenidge Generation LLC - WebEx

2 MR. WEIDERPASS: Thank you for this
3 opportunity. My name is Valdi Weiderpass, and I live
4 in Endicott, New York, ZIP Code 13760. I'm a member
5 of Sierra Club, and voluntarily serve as chair of the
6 Susquehanna Group of the Sierra Club. I urge the
7 D.E.C. to deny Greenidge's Title Four and Five Air
8 Permit and any other permits associated with this
9 operation, and if necessary to make this happen for
10 Governor Hochul to direct the D -- D.E.C. to deny
11 this permit and to make an announcement when it is
12 denied to the public that explains why and how
13 important this denial is.

14 Greenidge is no longer operating
15 solely to provide power to the public, and has become
16 largely a private operation to mine Bitcoin
17 cryptocurrency. The financial rewards of this
18 operation remain with the company and its investors
19 while the environmental impacts of its intensive and
20 growing energy use are externalized, impacting our
21 community, our state and the world.

22 It is now obvious that Greenidge's
23 applicants are disingenuous in claims that this
24 plant's purpose is for public good. And they are
25 asking -- the actual reason they are asking is to

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 take us further toward potential climate change
3 catastrophe by planning to increase greenhouse gas
4 emissions by more than a factor of five, all to just
5 increase their own profits. This should be an easy
6 obvious decision if you are care about protecting the
7 environment, which is the D.E.C.'s mission.

8 Under Governor Cuomo, the D.E.C.
9 failed to consider this a new source, and did not
10 complete a thorough environmental review with an
11 E.I.S. as required by SEQRA when it requested permits
12 to reopen as a gas fired plant. Now, D.E.C. and
13 Governor Hochul have an opportunity to demonstrate
14 that New York is serious about climate change, and
15 reverse this flawed project by denying the permit
16 renewal.

17 This new use operation and its
18 increased gas emissions negatively impact air
19 quality, noise levels, people's health and the
20 viability of vibrant agriculture within one of the
21 state's largest agricultural counties, and reproduce
22 thermal pollution which harms the lake's ecosystem.
23 We must reduce greenhouse gas emissions not -- not
24 increase them if we want to save for the habitable
25 climate. Please deny the permits for this plant.

1 10-13-2021 - Greenidge Generation LLC - WebEx

2 Thank you.

3 A.L.J. OLIVIERI: Thank you. The next
4 speaker is Ann Logan.

5 MS. LOGAN: Hello. My name is Ann
6 Logan, and I live in Manhattan. I'm not a local, but
7 I care about what happens in my state. And I care
8 about what happens in this country. We have a
9 tremendous climate crisis problem facing us that gets
10 worse every day. We cannot afford to do something
11 like use increased amounts of fracked gas. We need
12 to not increase the size or production of fossil fuel
13 plants. In particular, we are in the state of New
14 York, which is one of the leading states on the
15 climate issue.

16 For instance, we have a statute, the
17 Climate Leadership and Community Protection Act,
18 which mandates zero emissions by 2050. We're going
19 to have a hard time reaching that standard even by
20 changing over the sources of energy for the plants
21 that we need for daily existence for our residents
22 and for the businesses in our state.

23 We do not need to be adding additional
24 energy consuming in massive volumes, businesses that
25 are not producing anything but a few jobs, but are

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 producing massive emissions that are going to hurt
3 our state, our country and the globe. We need to not
4 approve any increase or new fossil fuel plants. This
5 permit should be denied.

6 A.L.J. OLIVIERI: Thank you. The next
7 speaker is Maura Stephens.

8 MS. STEPHENS: I'm Maura Stephens, a
9 longtime journalist and cofounder of the coalition to
10 protect New York. I've just spent weeks researching
11 cryptocurrency mining for a co-written forty-seven-
12 hundred-word story. It took that many words to tell
13 a simplified version of what I've concluded is one of
14 the biggest Ponzi schemes in recent history. It's a
15 bubble readying to burst, and when it does, the
16 consequences will be catastrophic.

17 Mostly for governments, local
18 communities, and small investors just like the last
19 big bubble built on lousy mortgages. Cryptocurrency
20 has no intrinsic value. It is not an economic
21 equalizer. It does not democratize anything. It
22 serves only to further enrich the wealthy. Even if
23 the economic realities weren't so the sheer enormity
24 of the energy used would be enough for any sensible
25 policymakers to nix it immediately.

1 10-13-2021 - Greenidge Generation LLC - WebEx

2 Prior speakers extoll natural gas
3 emissions claiming they're lower than in 1990. Well,
4 that year we were just becoming aware of greenhouse
5 gas dangers for climate. And we know a lot better
6 about methane now. Others claimed Greenidge creates
7 jobs. Cryptocurrency is a virtual business requiring
8 very little onsite supervision. It is not a long-
9 term secure jobs creator. We learned about such
10 false promises also during our fight to stop fracking
11 in New York.

12 There's no justification today when
13 we're watching climate events grow more dire every
14 season, to permit a facility like Greenidge or an
15 unregulated industry like cryptocurrency, it makes a
16 joke of the C.L.C.P.A. and New York's plans for a
17 just transition. It goes against every particle of
18 self-preservation and common sense we have. And
19 despite industry claims, there's no way to make it
20 greener. The county must be stopped now here in New
21 York before it takes over every abandoned power plant
22 in the country.

23 A vote to permit it would state loudly
24 and clearly that short-term profits for a few matter
25 more than the wellbeing and health of the millions of

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 people who rely on Seneca Lake, eat local foods and
3 want to breathe freely. If China can ban it, we can
4 deny these permits.

5 A.L.J. OLIVIERI: Thank you. The next
6 speaker is John Elder.

7 MR. ELDER: (unintelligible).

8 A.L.J. OLIVIERI: Mr. Elder, are you
9 on the line? I'm having some trouble hearing you.

10 MR. ELDER: (unintelligible).

11 THE REPORTER: I'm sorry. This is the
12 court reporter. I cannot hear him at all.

13 A.L.J. OLIVIERI: Mr. Elder, are you
14 able to put your volume up? We -- we cannot hear
15 you.

16 MR. ELDER: Well (unintelligible).

17 A.L.J. OLIVIERI: Mr. Elder, your --

18 UNIDENTIFIED SPEAKER: And then we
19 could quickly go through the agenda.

20 A.L.J. OLIVIERI: Is this still Mr.
21 Elder? We are having a lot of trouble hearing you.

22 MR. ELDER: (unintelligible).

23 MS. KATCHMAR: I don't think he's on
24 this call. I think he's having another conversation.

25 A.L.J. OLIVIERI: Okay. We'll move on

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 to the next speaker. And I'll go through the next
3 few speakers so everybody's aware of their name
4 that's going to be called. Okay. So next -- the
5 next few speakers will be Laura Burkhardt, Peter
6 Bardaglio, Couchon, Norman Kutcher, Matthew Kane,
7 Stephen Griffin, Eric Weltman, Anna Sears and James
8 Smith. The next speaker will be Laura Burkhardt.

9 Laura Burkhardt, are you on the line?

10 THE REPORTER: Sorry. Sorry,
11 Associated Reporters.

12 A.L.J. OLIVIERI: If you're on the
13 telephone, please press star three. Okay, the next
14 speaker is Peter Bardaglio.

15 MR. BARDAGLIO: Yes, hi. Can you
16 speak -- can you hear me?

17 A.L.J. OLIVIERI: Yes, thank you.

18 MR. BARDAGLIO: Thank you. Good
19 afternoon. My name is Peter Bardaglio. I reside in
20 Trumansburg, and I'm the coordinator of the Tompkins
21 County Climate Protection initiative. I speak today
22 to urge the D.E.C. to deny Greenidge's Title Five Air
23 Permit. When Greenidge transitioned to a gas burning
24 facility, no one knew it would become a Bitcoin
25 mining operation. No one knew it would go on to

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 produce the amount of greenhouse gases that it does
3 today.

4 Governor Hochul and the D.E.C. can
5 demonstrate that New York is serious about climate
6 change by denying this permit renewal. Under the
7 C.L.C.P.A., Greenidge is required to factor in both
8 greenhouse gases it produces on site and emissions
9 generated upstream. The combined emissions according
10 to Greenidge's own calculations exceed the limit on
11 its Title Five Air Permit by nearly sixty-seven
12 percent. These emissions negatively affect the air
13 quality in our region and economy.

14 Finger Lake's economy is dependent
15 upon its clean air and water to support the two key
16 factors driving it, wine production and tourism.
17 This economy generates three billion dollars annually
18 and supports fifty-eight thousand jobs. Greenidge is
19 exploiting our natural resources and putting human
20 health and people's livelihoods at risk.
21 Furthermore, Greenidge is precedent setting test
22 case. Greenidge and other facilities like it will
23 prevent our state from achieving its climate targets.

24 Greenidge claims it is utilizing
25 carbon offsets to counteract its emissions. New

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 York's climate law, however, stipulates that
3 stationary power plants cannot use carbon offsets.
4 Greenidge also recently announced it will be building
5 a solar farm that will generate an estimated five to
6 fifteen megawatts of power, which is but a small
7 portion of the eighty-five megawatts it will be
8 producing with fossil fuel.

9 Because Greenidge threatens the
10 environmental and economic sustainability of our
11 region in the precedent setting test case other
12 similar power plants in New York and is not
13 consistent with the C.L.C.P.A. I urge the D.E.C. to
14 deny the Title Five Air Permit for Greenidge. Thank
15 you.

16 A.L.J. OLIVIERI: Thank you. The next
17 speaker is Doug Couchon. Doug Couchon, if you're on
18 the telephone, please press star three?

19 Okay, the next speaker is Norman
20 Kutcher. Norman Kutcher, if you're on the telephone,
21 please press star three.

22 MS. KATCHMAR: I unmuted his line.

23 A.L.J. OLIVIERI: Okay, Mr. Kutcher,
24 we unmuted your line. You should have heard a beep.
25 That would mean that your line is unmuted. Just make

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 sure you're not muted on your end. Hello? Norman
3 Kutcher, are you -- are you on the line?

4 Okay, the next speaker is Matthew
5 Kane. Matthew Kane, if you're on the telephone,
6 please press star three.

7 MS. KATCHMAR: His line is unmuted as
8 well.

9 A.L.J. OLIVIERI: Matthew Kane, if you
10 -- we -- we did unmute you. Just make sure that
11 you're not muted on your end.

12 Okay, the next speaker is Stephen
13 Griffin. Stephen Griffin, if you're on the
14 telephone, please press star three.

15 Okay, the next speaker is Eric
16 Weltman. Eric Weltman, if you're on the telephone,
17 please press star three.

18 Okay. The next speaker is Anna Sears.

19 MS. SEARS: Can you hear me? Can you
20 hear me now?

21 A.L.J. OLIVIERI: Yes. Hi, is this
22 Anna Sears?

23 MS. SEARS: Yes.

24 A.L.J. OLIVIERI: Okay.

25 MS. SEARS: Hello, my name is Anna

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 Sears. I reside in Fairport, New York, around
3 Rochester, but spend a great deal of my time in the
4 Finger Lakes. I'm attending this hearing today as a
5 concerned citizen to urge Governor Hochul to direct
6 the D.E.C. to not renew Greenidge's air permits.
7 Globally, sixty-five percent or more of Bitcoin
8 mining operations took place in China until early
9 this past summer when China banned all cryptocurrency
10 mining.

11 These companies are now moving to less
12 restrictive countries like the U.S.A. For example,
13 the C.E.O. of B.T.C. dot TOP, which alone accounts
14 for more than eighteen percent of China's Bitcoin
15 mining, wrote in response to the ban "next we will
16 mainly mine in North America." Suddenly, America's
17 aging and mothballed plant -- power plants are
18 becoming hotspots for Bitcoin mining. The old power
19 plant in Dresden, New York, is a key example of this
20 business model and New York's canary in the coal
21 mine.

22 When Atlas purchased the mothball
23 power plant in Dresden in 2017, D.E.C. grandfathered
24 in the decades old regulations from the original coal
25 plant and gave Greenidge the go ahead to convert the

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 plants to natural gas. In the process, D.E.C. did
3 not treat this conversion as a new source. Two years
4 later in 2019, Greenidge purchased equipment to mine
5 for Bitcoin. Now, it is one of the largest and most
6 polluting Bitcoin mines in the U.S.

7 Their energy use is growing
8 exponentially at a breakneck speed without updated
9 greenhouse gas emissions limitations. Scientists
10 have warned that Bitcoin alone could push the Earth's
11 temperature two degrees above historical levels and
12 could exceed the global warming targets set by the
13 Paris Agreement. The Greenidge Bitcoin mining
14 operations dangerously high carbon and methane
15 emissions are a significant risk to the environment
16 and economic sustainability of the Finger Lakes'
17 terrifically successful wine and tourism industries,
18 and would undermine the C.L.C.P.A. goals.

19 So why on earth during this global
20 warming emergency, would New York even consider
21 permitting and enabling an energy hog polluter like
22 Greenidge to expand its Bitcoin -- Bitcoin mining
23 operation? It is incumbent on Governor Hochul and
24 the D.E.C. to deny renewal of the air permits to
25 Greenidge Generation. Thank you. I'm done.

1 10-13-2021 - Greenidge Generation LLC - WebEx

2 A.L.J. OLIVIERI: Okay, thank you.

3 Okay, it looks like someone has raised their hand,

4 call-in user six one seven three --

5 MR. WELTMAN: Hi, can you --

6 A.L.J. OLIVIERI: -- zero four.

7 MR. WELTMAN: Hi, can you hear me?

8 A.L.J. OLIVIERI: Yes. Who is this?

9 MR. WELTMAN: My name is Eric Weltman.

10 A.L.J. OLIVIERI: Okay, hi, Eric

11 Weltman, how are you? Thank you.

12 MR. WELTMAN: Hi. Good. So again, my
13 name is Eric Weltman, and I'm a Brooklyn based senior
14 organizer with Food & Water Watch. We're proud to
15 join (unintelligible) Justice, NYPIRG, the Sierra
16 Club, Seneca Lake Guardian and so many other amazing
17 allies and activists here today and sending a message
18 to Governor Hochul, no fracked gas for cryptocurrency
19 mining. The decision over Greenidge's permit is an
20 important test of hopes on leadership on climate and
21 moving New York off fossil fuel.

22 It is essential that Governor Hochul
23 block this fracked gas power plant and halt any new
24 fossil fuel infrastructure in New York. The science
25 is clear and so are Governor Hochul's moral and legal

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 obligations, New York must move off fossil fuels and
3 that means stopping the Greenidge Power Plant. New
4 York has banned fracking but we remain threatened by
5 an onslaught of pipelines and power plants that
6 transport and burn fracked gas.

7 Governor Hochul, I visited the
8 communities in Pennsylvania where the gas were
9 burning is fracked. I've seen the dirty water, I've
10 smelled the pollution, I've heard the noise. I've
11 met parents who are terrified that their children are
12 being poisoned, and they are. Their children are
13 being poisoned, Governor Hochul. I've seen the
14 devastation that the Geenidge plant would cause in
15 the communities where the fracked gas is finally
16 sucked out of the ground.

17 Governor Hochul, this is your first
18 important test on the climate and protecting the
19 climate, and protecting so -- so much more. And the
20 science is very clear. You must pass this test.
21 Governor Hochul, as the devastation from Hurricane
22 Ida tragically showed, our communities are at risk
23 and our lives are at stake. We need you to stop this
24 dangerous fracked gas project. Finally, I'd like to
25 close with the call to action to my fellow activists

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 on the call.

3 Please take out your phones and get
4 ready to call this hotline number to Governor Hochul.
5 Here's the number, eight seven seven two three five
6 six five three seven. Again, that's eight seven
7 seven two three five six five three seven. Please
8 call Governor Hochul this afternoon, this evening,
9 tomorrow, spread the word. Urge people to call
10 Governor Hochul to stop this dangerous project.
11 Thank you.

12 A.L.J. OLIVIERI: Thank you. The next
13 speaker is James Smith.

14 MR. SMITH: Hello, can you hear me?

15 A.L.J. OLIVIERI: Yes.

16 MR. SMITH: Thank you. My name is
17 James Smith. I'm a third generation resident of the
18 town of Torrey on Seneca Lake. I'm a former Yates
19 County legislator, and I was the founding chairman
20 and -- and the current treasurer of the Seneca
21 Watershed Intermunicipal Organization. I'm also a
22 candidate for Torrey Town supervisor. I support
23 Greenidge Generation L.L.C. and its production of
24 needed electrical generation. It is critically
25 important to have a local reliable source of

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 electricity when needed in this time of energy
3 insecurity.

4 The positive economic impact of
5 Greenidge and its significant investment in the
6 Finger Lakes region, Yates County and the Town of
7 Tory is a benefit to all in the region. Greenidge
8 was a coal fired power plant, which had been in place
9 and operational in Yates County since 1937. It was
10 historically the largest taxpayer in Yates County.
11 It was shuttered in 2009 which resulted in a
12 significant drop in tax revenue to the community and
13 the elimination of jobs.

14 Since its purchase in 2014,
15 significant investment was made to convert the plant
16 to a state-of-the-art clean natural gas fired power
17 plant, and it resumed operations generating
18 electricity. At that time, it was hoped and expected
19 that Greenidge would find a market for -- for its
20 electricity sufficient to make it a profitable and
21 viable producer. Greenidge operates its power
22 facility in full compliance with existing air and
23 water permits issued by the state of New York.

24 Greenidge has made an outsize
25 contribution to the economy of Yates County. The

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 company has created many high paying jobs filled by
3 local residents, and its growing tax payments are
4 vital to the Penn Yan Central School, Yates County
5 and the town of Torrey. Greenidge's annual tax
6 payments significantly helped offset the real
7 property taxes paid by the town's other taxpayers.

8 A viable and profitable Greenidge
9 plant is a welcomed business in the town of Torrey, a
10 positive steward of the environment and an excellent
11 community partner. I strongly urge Governor Hochul
12 to work with the D.E.C. to approve the Title Five Air
13 Permit. Thank you.

14 A.L.J. OLIVIERI: Thank you. I'll
15 read out the next several names that I will call.
16 Karen Smith, Tom Diaddigo, Amber Ruther, Gerri Wiley,
17 Ann Finneran, Lindsay Speer, Quentin DeSarno,
18 Elizabeth Whitehouse, Wanda Boeke and Chris Anneaer.

19 The next speaker will be Karen Smith.

20 MS. SMITH: Can you hear me?

21 A.L.J. OLIVIERI: Yes. Thank you.

22 MS. SMITH: My name is Karen Smith.

23 I'm a concerned citizen who has lived in the Burdett
24 Hector area for over thirty years. I'm speaking
25 today to urge the Hochul administration and the

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 D.E.C. to deny the Greenidge Facilities' Title Four
3 and Five Air Permits. The factual information I
4 based my judgments on was provided by Crisp Magazine
5 and the Seneca Lake Garden -- Guardian primarily.
6 Besides the effect I just don't get the value of
7 cryptocurrency. It reminds me of the Rumpelstiltskin
8 story with the king's desire to have straw spun into
9 gold. It's obviously nothing new that businesses
10 like Greenidge need to try to recoup their losses and
11 can be self-serving doing so. But my main point is
12 that there is a stunning imbalance and inequity
13 involved in Bitcoin mining. Here a facility
14 originally designed to provide power to the public
15 was quietly converted into a facility that chiefly
16 benefits its owners and investors, and if I heard an
17 earlier speaker correctly under fifty direct
18 employees.

19 And it does this while putting the
20 regional population and its whole surrounding
21 ecosystem in harm's way. As we've been learning,
22 pollution of air and water does not have firm
23 boundaries. Bitcoin mining itself is automated, so
24 is not a major job creator for this region. But its
25 environmental impact can gradually threaten the

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 economy of the Finger Lakes, which heavily depends on
3 clean air and water. As people have already said,
4 Bitcoin mining is terribly energy intensive.

5 A single Bitcoin transaction could
6 power the average households for over a month.
7 Greenidge is already one of the largest Bitcoin
8 operations in the country, and the question of its
9 continuation and expansion is likely to be seen as a
10 precedent setting case. For this reason, Governor
11 Hochul now has the opportunity to reverse the mistake
12 made either by the -- by the Cuomo administration and
13 to demonstrate that New York is serious about climate
14 change by directing the D.E.C. to deny these permits.
15 Thank you.

16 A.L.J. OLIVIERI: The next speaker is
17 Vinny Aliperti. Vinny Aliperti, if you're on the
18 line, please press star three. Vinny Aliperti, if
19 you're on the line, please press star three.

20 Okay, the next speaker is Tom. The
21 last name was not put down, but it looks like from
22 his email it's Tom Diaddigo. Tom Diaddigo, if you're
23 on the line, please press star three if you're on the
24 telephone.

25 MR. DIADDIGO: Well, can you hear me?

1 10-13-2021 - Greenidge Generation LLC - WebEx

2 A.L.J. OLIVIERI: Hello?

3 MR. DIADDIGO: The microphone too low?

4 A.L.J. OLIVIERI: So I'm having some
5 trouble hearing you. Are you able to speak any
6 louder?

7 MR. DIADDIGO: Can you hear me now?

8 A.L.J. OLIVIERI: I'm not sure the
9 court reporter will be able to hear you.

10 MR. DIADDIGO: I'll submit my comments
11 through email, then.

12 A.L.J. OLIVIERI: Okay, I'm -- I'm
13 sorry, if you can call back on another device.
14 You're also welcome to submit written comments. But
15 I -- we can barely hear you.

16 MR. DIADDIGO: Okay, thank you.

17 A.L.J. OLIVIERI: Okay, let's call the
18 next speaker, Amber Ruther.

19 MS. RUTHER: Hi, my name is Amber
20 Ruther, and I'm with the Alliance for a Green
21 Economy, which is based in Syracuse. I'm speaking
22 today to ask you to reject Greenidge's Title Five and
23 Title Four permits. Allowing an old fossil fueled
24 plant like Greenidge to expand to mine cryptocurrency
25 would be a disaster for our air, water and climate.

1 10-13-2021 - Greenidge Generation LLC - WebEx

2 Allowing this plant to expand would
3 clearly violate the C.L.C.P.A. because it would
4 needlessly add massive amounts of air pollutants and
5 greenhouse gases, including up to one million tons of
6 CO per year to our atmosphere at a time when we need
7 to be scaling back overall energy use and phasing out
8 fossil fuel use as quickly as possible. It would
9 also dump thermal pollution into Seneca Lake causing
10 harmful algal blooms, bacteria and stressing aquatic
11 life.

12 This would threaten public health and
13 the local agriculture, fishing and tourism
14 industries. Trust me, I'm from Lake George
15 originally, and I've seen the way that short-sighted
16 pollution in our lake has closed beaches, harmed the
17 tourism industry and ruined our drinking water.
18 Water is life and we need to protect it. It would
19 also set a dangerous precedent for the thirty other
20 power plants in New York like Fortistar that may also
21 be expanded to mine cryptocurrency.

22 Every single proof of work
23 cryptocurrency transaction uses energy equivalent to
24 ninety gallons of gasoline every single transaction.
25 It has also been estimated that Bitcoin transactions

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 alone use more energy than the entire country of
3 Sweden. Eliminating wasteful uses of energy is
4 critical to addressing the climate crisis because we
5 also need to electrify all of our buildings, heating
6 systems, cooking systems and our transportation
7 systems to get off of fossil fuels.

8 Electrification will greatly increase
9 energy use at a time when we still don't have nearly
10 enough renewables online to meet the goals of the
11 C.L.C.P.A. While most Americans are doing their best
12 to conserve energy, the crypto mining industry wastes
13 massive amounts of energy for the sole purpose of
14 transferring wealth to a few lucky investors. And as
15 more investors join the network, the computational
16 puzzles used to verify transactions become harder,
17 requiring even more energy to solve.

18 It's literally allowing people to
19 trade pollution for profit at an exponential rate,
20 and that is a slippery slope that we and our planet
21 cannot afford. There are also sixteen other ways to
22 mine cryptocurrency that are not nearly as energy
23 intensive as -- as proof of work crypto mining is.

24 I urge both D.E.C. and Governor Hochul
25 to reject this permit, to reject all proposed

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 expansion of fossil fuel use and to take the bold
3 action needed to halt the irreversible damage of the
4 climate crisis. Thank you.

5 A.L.J. OLIVIERI: Thank you. The next
6 speaker is Gerri Wiley.

7 A.L.J. OLIVIERI: Hello, is this Ms.
8 Gerri Wiley? Is -- are you on the phone?

9 MS. WILEY: Yes, it is.

10 A.L.J. OLIVIERI: Okay --

11 MS. WILEY: Okay.

12 A.L.J. OLIVIERI: -- go ahead. Sorry.

13 MS. WILEY: Okay. Thank you. My name
14 is Gerri Wiley. I'm a concerned citizen and energy
15 navigator working throughout the state and living in
16 Owego, New York. The following questions I believe
17 need to be asked, the answers of which all shout out
18 a huge no to Greenidge's bid for renewal of their air
19 permits. Question Number One, what are the benefits
20 of Greenidge's Bitcoin operation? Who benefits and
21 how does it serve the common good?

22 Question Two, is Greenidge's role as a
23 crypto casino worthy of having any D.E.C. permit to
24 pollute in the first place? Question Three, does
25 Greenidge's plan to off -- offset their emissions

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 serve a meaningful role in this eleventh hour
3 mitigation attempt in a climate crisis, in which
4 every one of us must pull together to reduce methane
5 and nitrogen oxide emissions instead of kicking the
6 can down the road with offsets?

7 And Question Four, how does
8 Greenidge's enormous use of energy impact the
9 willingness of many people like me who work day after
10 day helping people to reduce their energy use? Will
11 we give up our efforts seeing that anything we do
12 about climate change will be undermined by energy
13 intense proof of work cryptocurrency mining? The
14 D.E.C. and I share the goals of energy conservation.
15 And I trust that you will deny Greenidge's request
16 for permit renewal. Thank you.

17 A.L.J. OLIVIERI: The next speaker is
18 Ann Finneran.

19 MS. FINNERAN: Hi, can you hear me?
20 Can you hear me?

21 A.L.J. OLIVIERI: Yes.

22 MS. FINNERAN: Okay. Thank you.
23 Thank you. Okay, I'm -- I'm Ann Finneran. I'm a
24 resident of Sullivan County, New York. I'm a native
25 Painted Poster. The Finger Lakes are home to me,

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 especially Seneca and Keuka Lakes. I just wanted to
3 call them to deny the -- request that you deny the
4 air permit renewals. And they should -- they should
5 be -- go back to ground zero on that -- on that
6 matter, go back to the -- the initial -- doing an
7 initial E.I.S. and following up on that whole thing.

8 This is a completely different animal
9 than it was in 2015 through 2017. The -- I wanted to
10 correct a couple of things that the town board
11 members were saying, one of them with the Texas
12 freezing event was due to the lack of the
13 installation of remedies to prevent freezing which
14 are well in place in New York State. That argument
15 does not apply. The power for public consumer use is
16 one thing. And that is why the plant was allowed to
17 be converted to fracked gas from coal -- the coal ash
18 spin, so to speak in 2017.

19 Without, I must say adequate public
20 input at the time and with an exemption on the E.I.S.
21 and certain E.I.S.'s and a water concern exemption
22 until 2022. I'll say at this point I am -- I work on
23 with the Sierra club. I'm a volunteer chair of the
24 Water Issues Committee. But this has to do with air
25 so I'll -- I'll just follow up that. The plant was

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 not presented at that time to be intended to run at
3 full capacity twenty-four seven, as it is running
4 now.

5 I'd like to see a side by side -- oh,
6 I'm already done. Okay, let me just end up to say,
7 yes, if they understand or care that even if future
8 electrical generation for this heinous and
9 egregiously self-serving enterprise might be from
10 renewables that they would be taking from real energy
11 needs like energy consumption for decent living
12 standards by the general public. Thank you. I'm
13 done.

14 A.L.J. OLIVIERI: Thank you. Thank
15 you. The next speaker is Lindsay Speer.

16 MS. SPEER: Hi.

17 A.L.J. OLIVIERI: Hi.

18 MS. SPEER: Thank you for the
19 opportunity to comment today. My name is Lindsay
20 Speer, and I live in Syracuse, New York. I'm the
21 Director of Community Programs for the Alliance for a
22 Green Economy. I urge the D.E.C. to deny the Article
23 Five Air Permit for Greenidge Power Plant. In 2015
24 when repowering the shutdown coal plant -- coal power
25 plant with fracked gas was proposed, New Yorkers

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 rightly questioned the need for this facility; I was
3 among them.

4 There was ample power generation in
5 Zone J already. Now, the true purpose has been
6 revealed. Greenidge is no longer operated solely to
7 provide power to the public. It has become largely a
8 private operation to mine Bitcoin operating twenty-
9 four hours a day, seven days a week. It benefits the
10 company, its investors while the environmental
11 impacts are externalized.

12 We fought too hard to ban frack in New
13 York to allow plants like Greenidge bring more and
14 more fracked gas into our state, to leak methane into
15 our atmosphere, to burn gas into our sky and use our
16 water. New York has been fighting so hard, it's shut
17 down the dirtiest power plants in our state and power
18 economy with renewables like wind and solar to
19 address the climate crisis. Cryptocurrency mining
20 for proof of work coins like Bitcoin are extremely
21 energy intensive and take us in the wrong direction.

22 In 2015, the D.E.C. failed to consider
23 this as a new source that does not complete a full
24 environmental impact review as required by SEQRA is
25 offset Power plants that have been previously shut

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 down should be considered new sources, especially if
3 there's any inclination that the ultimate reuse is
4 different. This is a loophole that must be closed.
5 The Title Five Air Permit issued in 2015 did not
6 consider that this facility would be used for Bitcoin
7 mining and this new use must be fully evaluated.

8 The D.E.C. must also review this
9 facility through the lens of the 2019 Climate
10 Leadership and Community Protection Act. Under the
11 C.L.C.P.A., Greenidge is not carbon neutral. Sources
12 in the electric generating sector are not allowed to
13 participate in the carbon offset stream. Under the
14 C.L.C.P.A., Greenidge is required to factor in both
15 onsite and upstream greenhouse gas emissions. These
16 combined emissions, according to Greenidge's own
17 calculations, would exceed the limit on its Title
18 Five Air Permit by nearly sixty-seven percent.

19 Because Greenidge is a precedent
20 setting test case for other agent power plants in New
21 York and this is not consistent with the C.L.C.P.A..
22 I respectfully request that the D.E.C. deny Title
23 Five Air Permit for Greenidge. Thank you.

24 A.L.J. OLIVIERI: Thank you. The next
25 speaker is Quentin DeSarno. Quentin DeSarno, if you

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 are on the telephone, please press star three.

3 Okay, the next speaker is Elizabeth
4 Whitehouse. Elizabeth Whitehouse, if you're on the
5 telephone, please press star three.

6 Okay, the next speaker is Wanda Boeke.
7 Wanda Boeke, if you're on the line, please let us
8 know.

9 MS. BOEKE: Can you hear me?

10 A.L.J. OLIVIERI: Yes.

11 MS. BOEKE: Great. Thanks. My name
12 is Wanda Boeke. I'm a resident of the Greater Finger
13 Lakes area. And I don't want to repeat the many,
14 many, many useful comments that people have already
15 made regarding, for example, the bait and switch
16 technique that Green -- Greenidge has engaged in
17 starting as a peaker which is, you know, an excellent
18 concept to help out with electrical generation, but -
19 - and which is a public good but as one speaker said
20 now it wants to trade pollution for profit and turn
21 itself into a Bitcoin factory.

22 The D.E.C. itself, or I should say the
23 2019 Climate Leadership and Community Protection Act,
24 states that electrical generation sector shall not be
25 eligible for green -- greenhouse gas offsets, but

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 somehow, you know, it -- and Greenidge claims that
3 oh, well, look, you know, we changed over from a coal
4 plant to gas, now look, we're carbon neutral. But
5 it's not really true because if you go back to the --
6 the point source emissions of the fracked gas, it's
7 more than a million tons which is way above the
8 permitted limit of gases.

9 Okay. About the point source
10 emissions, the fact is that Greenidge is located on -
11 - well, a large lake. But as the Federal Register
12 review of the primary national ambient air quality
13 standards for sulfur oxides, that's from March 2019,
14 states point source emissions of sulfur oxides create
15 a plume of appreciably higher concentrations in the
16 air near the source, which would be the plant.

17 And I think when people talk about
18 tons of this and tons of that going in the air, one
19 of the things that D.E.C. needs to remember is that
20 the -- immediately next to the plant is where the
21 sulfur oxides, SO₂, SO₃, so, you know, are going to
22 hit the water and go across to Hector which is a very
23 fine line area and effect grapes and there -- and the
24 plants there. Algae blooms will be, you know,
25 increased tremendously.

1 10-13-2021 - Greenidge Generation LLC - WebEx

2 So I would recommend the D.E.C. reject
3 the Title Four and Five Air Permits because it just -
4 - it -- the bait and switch, it's -- it's no longer
5 for the project that it was originally for.

6 A.L.J. OLIVIERI: Okay, thank you.

7 The next speaker is Chris Anneaer.

8 MR. ANNEAER: Hi, can you hear me?

9 A.L.J. OLIVIERI: Yes.

10 MR. ANNEAER: Wonderful. Thank you.

11 My name is Chris Anneaer, and I reside in Geneva, New
12 York. I'm an associate professor of anthropology at
13 Hobart and William Smith Colleges. I research and
14 teach food and environmental studies, and I urge
15 Governor Hochul to direct the D.E.C. to deny
16 Greenidge's -- Greenidge the Title Five Air Permit.
17 Yates County is one of the largest agricultural
18 producing counties in New York State in the heart of
19 the Finger Lakes.

20 While the economy is dependent upon
21 its clean air and water to support its thriving
22 economic engine, which of course, is wine in tourism.
23 This agricultural and tourist driven economy
24 generates three billion dollars in New York state
25 annual and supports fifty-eight thousand jobs. This

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 corporation is exploiting our natural resources at
3 the risk to human health, people's livelihoods and
4 our economy. Air emissions and particulate matter
5 from -- from power plants such as Greenidge's are
6 harmful to human health and crops, particularly
7 grapes.

8 Electricity production, the raw
9 material of Greenidge's proof of work cryptocurrency
10 has a profound human cost. Globally, four million
11 premature deaths occur each year as a result of air
12 pollution, a sizeable fraction of which are due to
13 coal and natural gas combustion in -- in power
14 plants. Furthermore, because Greenidge threatens the
15 environmental and economic sustainability of this
16 region, it is a -- it is a precedent setting test --
17 test case for other aging power plants in New York.

18 I'm running out of time so I'm just
19 going to cut to the chase. As a citizen of this
20 region, community member and teacher scholar of our
21 food and environment, I implore Governor Hochul to
22 direct the D.E.C. to deny Greenidge's Title Five Air
23 Permit. Greenidge's Bitcoin operations harm our air
24 and productive -- and productive food base while
25 taxing our environment in order to enrich its

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 investors. It must not be permitted to continue.
3 Thank you.

4 A.L.J. OLIVIERI: Read off the next
5 few names so everyone can be prepared. Allison
6 Considine, Larry Campbell, Mary Cronk, Elmer Ewing,
7 Mary Thorpe, Mel Tishler, Jen Metzger, Natalie
8 Polvere, Regi Teasley and David Ettman.

9 The next speaker is Allison Considine.
10 Allison Considine, if you're on the line, please let
11 us know, or press star three if you're on the
12 telephone.

13 MS. CONSIDINE: Hi, can you hear me?

14 A.L.J. OLIVIERI: Yes.

15 MS. CONSIDINE: Hi, thank you for this
16 opportunity to speak. My name is Allison Considine.
17 I'm a native of Monroe County and spent four years
18 going to school in Ithaca where many of my dear
19 friends and family still live and where I might hope
20 to live someday. I just wanted to take this
21 opportunity to urge the D.E.C. to deny the Title Five
22 Permit for the Greenidge facility, not only is it
23 having a disastrous impact on Seneca Lake which is
24 invaluable resource to the region and -- and harming
25 fish life, plant life and -- and having numerous

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 other effects that many other speakers have
3 referenced, it also represents a real climate
4 disaster. New York State has an obligation to reduce
5 its emissions from power generation one hundred
6 percent by 2040, to have a completely zero emissions
7 electric sector. And the goal of that is to really
8 get off burning fossil fuels entirely as a power
9 source.

10 And this sort of behind the meter
11 loophole that Greenidge is exploiting to continue
12 burning fossil fuels at a facility that advocates
13 fought to -- to shut down to ensure cleaner air and a
14 healthier climate stands in direct violation to the
15 Climate Leadership and Community Protection Act and
16 to the moral obligation we have in our state to
17 reduce emissions as much as possible and to ensure
18 that we're not unnecessarily burning emissions that
19 will continue to change our climate leading to more
20 deaths from extreme storms, droughts, and numerous
21 other impacts.

22 So I urge the D.E.C. to deny this
23 permit and put a moratorium on this practice until
24 the full implications of burning fossil fuels for
25 cryptocurrency mining can be evaluated in the context

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 of the state's climate law. Thank you.

3 A.L.J. OLIVIERI: Thank you. The next
4 speaker is Larry Campbell.

5 MR. CAMPBELL: Yes, my name is Larry
6 Campbell. I reside in Geneva, New York. I urge
7 Governor Hochul and the D.E.C. to deny Greenidge's
8 Title Five Air Permit. The Keuka Outlet is a seven-
9 mile stream carrying overflow water from Keuka Lake
10 at Penn Yan to Seneca Lake at Dresden. The trail
11 that follows the stream through a small isolated,
12 wooded and -- wooded canyon is a historic and natural
13 delight, great for hiking, biking, skiing, horseback
14 riding and just relaxing with nature.

15 Along the way are the waterfalls and
16 relics of the old mills that once were the industrial
17 backbone of the region. At a time when we could
18 operate our essential machinery without polluting the
19 air or the water, the remnants of the old canal can
20 still be seen which once carried a boat traffic
21 between the lakes. I and my family have frequently
22 enjoyed this wonderful natural attraction. But what
23 do you find at the end of the trail in Dresden?

24 An abomination, an old-fashioned dirty
25 power plant renamed Greenidge in an attempt to make

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 people think that there's something natural and
3 wholesome about what is going on there. It is
4 totally out of place on a lake that is now devoted to
5 wine, agricultural, recreation and tourism. It
6 should only be tolerated if absolutely necessary. We
7 have after all learned to live with some dirty
8 industries out of necessity.

9 So when enacted simply as a backup
10 power source for our electric grid, there were
11 reasonable grounds for tolerating it. But now, the
12 permit, which is being offered for renewal is so out
13 of date and inconsistent with this original purpose
14 that it is a travesty that New York State is
15 classifying it as a renewal. It should be reviewing
16 this as a new application.

17 New York State is being asked to
18 approve a project which will vastly increase
19 greenhouse gas emissions, noise, water pollution, and
20 use of hydrogen -- hydrocarbon fuel, not for the good
21 of the local community and environment, but solely
22 for the enrichment of wealthy financial interests.
23 This decision should be a no brainer. Thank you.

24 A.L.J. OLIVIERI: Thank you. The next
25 speaker is Mary Cronk. Mary Cronk, if you're on the

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 telephone, please press star three.

3 Okay, the next speaker is Elmer Ewing.

4 MR. EWING: Hello?

5 MS. KATCHMAR: We have unmuted a call-
6 in user.

7 MR. EWING: Hello?

8 A.L.J. OLIVIERI: Hello. Is this
9 Elmer Ewing?

10 MR. EWING: Yes, I'm Elmer Ewing.
11 Okay.

12 A.L.J. OLIVIERI: Yes, go ahead.

13 MR. EWING: Thank you. I'm -- I'm
14 Elmer Ewing. I'm an emeritus professor at Cornell's
15 College of Agriculture and Life Sciences. But I
16 speak only for myself. Well, also for my wife, five
17 children, ten grandchildren and two great
18 grandchildren. Global warming -- global scorching is
19 here. We hear about many of the sensational effects,
20 not always -- there are a lot of other ones that are
21 more -- or that just not -- are not reported.

22 Our daughter in Idaho has had four
23 hundredths of an inch of rain since March. That's
24 point zero four inches of rain. Her two horses were
25 munching on what little grass they could find in the

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 lawn. Her son in Oregon could not spend time
3 outdoors the last two summers because of smoke from
4 wildfires. My brother-in-law in Central Illinois was
5 looking at the best corn crop in memory. Then eleven
6 inches of rain in one day led to water so deep he
7 couldn't see chest high corn.

8 Typically, the weather he gets in
9 Central Illinois visits us two days later. I'm glad
10 that downpour didn't follow. In 1976, we had four
11 inches of rain in forty-five minutes at our house.
12 Route 79 in front of the house was closed by flooding
13 and Ithaca lost its water supply. If four inches did
14 that, I shudder to think how we would cope with
15 eleven inches.

16 How do I rank reducing the damage from
17 what is already a climate in chaos with the
18 importance of supporting cryptocurrency? The answer
19 is obvious. The D.E.C. must deny the renewal of time
20 of -- of Title Five Air Permits for Greenidge
21 Generation. Compliance with the C.L.C.P.A. demands
22 it. Common sense demands it. We cannot bear all the
23 extra emissions of greenhouse gas that would come
24 from accepting its renewal. Again, thank you for the
25 chance to comment.

1 10-13-2021 - Greenidge Generation LLC - WebEx

2 A.L.J. OLIVIERI: Next speaker is Mary
3 Thorpe.

4 MS. THORPE: Hello. Hi.

5 A.L.J. OLIVIERI: Hello.

6 MS. THORPE: Hi, this is Mary Thorpe.

7 I reside in Sherman County, New York. And I'm
8 speaking as a private citizen with just concerns
9 about our climate change and how this project would
10 add to it. I was not in favor of Greenidge
11 converting to natural gas when that happened, but at
12 least that has public good, but Bitcoin mining, no.

13 And I'm not going to go into any of
14 the technical details that have been so well covered
15 by others, but just to add my voice to say no to --
16 to renewing this permit with its enhanced
17 expectations. Thank you.

18 A.L.J. OLIVIERI: Thank you. Our next
19 speaker is Camille Tischler. Camille Tischler, are
20 you on the line? If you're on the telephone, please
21 press star three.

22 Okay. The next speaker is Jen
23 Metzger.

24 MS. METZGER: Hi, there, good
25 afternoon. My name is Jen Metzger, and I live in

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 Rosendale in Ulster County. I appreciate the
3 opportunity to comment. I formerly served in the
4 state senate, where I contributed to and helped pass
5 the Climate Leadership and Community Protection Act.

6 The application before your department
7 to renew the Title Five permit for the Greenidge
8 Generating Station represents what I feel is a major
9 decision point for New York State. In the face of a
10 climate crisis, are we going to embrace a new
11 industry that wastes energy by design and seeks to
12 provide a new lease on life to the climate damaging
13 fossil fuel burning plants, or are we going to
14 support the kind of economic development that will
15 enable New York to meet its ambitious climate goals?

16 Your decision will be precedent
17 setting on this question potentially opening the door
18 to an unsustainable process of cryptocurrency mining
19 that will make it difficult or impossible to reach
20 the state's greenhouse gas production and renewable
21 energy targets.

22 When upstream emissions are considered
23 as required by New York's climate law, Greenidge's
24 greenhouse gas emissions total over a million tons
25 annually far exceeding the allowable limit of the

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 proposed permit. Moreover, the company's publicly
3 stated that it's looking to expand beyond the
4 Greenidge facility, increasing generating capacity to
5 at least five hundred megawatts in the next four
6 years. If the D.E.C. approves this permit, it would
7 set a precedent for repowering fossil gas burning
8 plants behind the meter and will open the door to
9 similar projects elsewhere ratcheted up greenhouse
10 gas emissions at a time when we must deeply reduce
11 those emissions.

12 I want to raise just one more point.
13 It is not only or even primarily the choice of fuel
14 that brings this application into conflict with New
15 York's climate law. It is the extreme energy use
16 inherent in Bitcoins choice validation process. The
17 proof of work method for validating Bitcoin
18 transactions and mining new tokens requires massive
19 amounts of computing power, which in turn requires
20 massive amounts of electricity.

21 Bitcoin currently uses more
22 electricity than many countries. A new industry that
23 relies on this level of electricity consumption is in
24 direct contradiction of the state statutory energy
25 efficiency target and the policy goals of cleanly

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 electrifying major sectors of the economy to
3 eliminate fossil fueling.

4 We cannot afford the energy waste
5 inherent in operations like Greenidge, it is simply
6 unsustainable. Thank you very much.

7 A.L.J. OLIVIERI: Thank you. Our next
8 speaker is Natalie Polvere.

9 MS. POLVERE: Hello.

10 A.L.J. OLIVIERI: Hello.

11 MS. POLVERE: My name is Natalie
12 Polvere. I live in Yonkers, New York. I am asking
13 the Department of Environmental Conservation to deny
14 the Title Five Air Permit renewal for the Greenidge
15 Generating Station in Dresden, New York. Although I
16 live three hundred miles south of the facility, I
17 have many reasons to oppose granting the permit.

18 Some of them have to do with a
19 terrible precedent that would be met by allowing this
20 outdated fossil fuel power plant to be -- to repower
21 for the purpose of manufacturing cryptocurrency at
22 the expense of public health. But I will cite two
23 objections that I believe apply just to this specific
24 facility.

25 The facility's greenhouse gas

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 emissions are not consistent with the law of the
3 C.L.C.P.A., the facility's greenhouse gases are
4 increasing at -- emissions are increasing and not
5 decreasing as they must. And the regions rich
6 agricultural production and heritage depends on clean
7 water and on air that it's not laden with particulate
8 matter.

9 Greenidge is emitting pollutants that
10 are a significant cause of acid rain and that reduce
11 air quality for local residents. So I ask that the
12 permit renewal be denied. Thank you very much.

13 A.L.J. OLIVIERI: Thank you. Our next
14 speaker is Regi Teasley.

15 MS. TEASLEY: Can you hear me?

16 A.L.J. OLIVIERI: Yes.

17 MS. TEASLEY: Good. My name is Regi
18 Teasley. I live in Ithaca, New York. I have resided
19 in the Finger Lakes since 1979. I love this area.
20 Today, I urge the D.E.C. to deny Greenidge's Title
21 Five Air Permit. We should all know by now that to
22 address global heating, we have a very short time to
23 make dramatic changes in our way of life.

24 We must shift to renewable energy and
25 much greater energy efficiency in all sectors of the

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 economy. We must stop the emission of CO and other
3 greenhouse gas emissions or face the consequences.
4 Right now, according to the latest I.P.C.C. report,
5 we have our last real chance to avoid the worst
6 aspects of climate change.

7 I fear for my granddaughter's future.
8 Greenidge and its counterpart stand in opposition to
9 this required change. Here's a power plant that
10 should have remained shuttered and is now producing
11 large amounts of CO using massive amounts of power,
12 while contributing nothing to the transformation we
13 desperately need.

14 And I would remind my sisters and
15 brothers in the I.B.E.W. that there are no good jobs
16 in an overheated planet. I have done much to reduce
17 my own energy usage and remove to renewable energy.
18 Will our state government do their part.

19 (unintelligible) has called out rightly, in my
20 opinion, leaders who promised much and repeatedly
21 failed to follow through. We are running out of
22 time.

23 We who live in the Finger Lakes know
24 that this beautiful region could be a leader in
25 resilience in the face of climate crisis. Greenidge

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 is a burden that fails our era for imaginary wealth.
3 It's time for the D.E.C. to lead in protecting New
4 Yorkers by denying Greenidge's air permit. Thank you
5 for hearing my comments.

6 A.L.J. OLIVIERI: Next speaker is
7 David Ettman. David Ettman, if you are on the
8 telephone, please press star three.

9 MR. ETTMAN: Computer. Thank you. My
10 name is David Ettman. I am the Seneca county
11 attorney, and I'm appear -- or appearing to make this
12 statement on behalf of the Seneca County Board of
13 Supervisors, and in particular, our environmental
14 committee with supervisor Paul (unintelligible).

15 I find it unusual that I'm looking at
16 a letter that we wrote to the department a year ago
17 having to do with the hydraulic or hydrology issues
18 and the temperature issues with the discharge water
19 from the plant. And we specifically cited the
20 dangers of the harmful algal blooms, the impact of
21 increased temperatures and the issues for the water
22 supply of the nearly three hundred thousand to more -
23 - or more people that rely on Seneca Lake.

24 A year later, we have had some of
25 those substantial algae blooms. We are constantly

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 having to deal with water quality issues and plant
3 intakes for the drinking water for municipal systems.
4 Again, the communities surrounding Seneca Lake and
5 beyond. At the end of this hearing, there are very
6 few topics that I can touch on that have not already
7 been addressed.

8 But clearly the fact that we've
9 already seen the error of allowing this plant to
10 operate for over a year now and with those prophecies
11 coming true is clearly, clearly concerning. I love
12 the phrases in their own website that talks about
13 clean burning natural gas, the methane, the
14 production. Quite frankly, there is no clean burning
15 natural gas.

16 And also they talk about their net
17 zero reliance upon carbon offsets. When the problem
18 is carbon offsets are wonderful unless you're under
19 the gun of those carbon products, which Seneca County
20 is. We ask that the department review simply an
21 aerial map and see where the gases go and see that
22 Seneca County as well as the variety of communities
23 surrounding this plant are directly impacted for
24 forty coins of silver. Thank you, and we ask that
25 this permit be denied.

1 10-13-2021 - Greenidge Generation LLC - WebEx

2 A.L.J. OLIVIERI: Thank you. The next
3 speaker is Kristina Hazlitt. Kristina Hazlitt, if
4 you're on the telephone, please press star three.

5 MR. DIADDIGO: Hello.

6 A.L.J. OLIVIERI: Hello, who is this,
7 please?

8 MR. DIADDIGO: Hello. This is Tom
9 Diaddigo. I got kicked off earlier because you
10 couldn't hear me.

11 A.L.J. OLIVIERI: Okay. I'm sorry.
12 What is your name again?

13 MR. DIADDIGO: My name is Tom
14 Diaddigo.

15 A.L.J. OLIVIERI: Okay.

16 MR. DIADDIGO: Can I go?

17 A.L.J. OLIVIERI: Yeah. Sure. Go
18 ahead. Thank you.

19 MR. DIADDIGO: Okay. I live in
20 Corning, New York, but I spend a lot of time on the
21 Finger Lakes. I'm a retired computer scientist, so I
22 know a little about the heat that microprocessors
23 generate. I also know about the water problems that
24 we're having. Don't forget, whatever happens in
25 Dresden does not stay in Dresden, the last speaker

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 from -- from Seneca County mentioned about algae
3 blooms.

4 And if you have algae blooms in Seneca
5 Lakes, they're going to find their way to the other
6 Finger Lakes. And you know, if -- if -- if the
7 Bitcoin mining, if all those computers were aimed at
8 finding a cure for cancer, it's one thing, but -- but
9 for some solving numerical puzzles to promote
10 (unintelligible) economical thing that the I.R.S.
11 will sit down in a couple years anyhow, seems to me
12 to be foolish.

13 The -- the other counties of
14 neighboring Yates County seem to be against this, as
15 I am, by the way on the record. And it's interesting
16 to me that the -- the neighboring counties are
17 against it. but Yates County is not because they see
18 a few jobs and a -- a little bit of economy, which
19 would be offset by -- by loss of tourism anyhow. And
20 my basic message is, when are we ever going to learn
21 that the -- that the mistakes we make now carry
22 forward for decades and generations?

23 I grew up along the Ohio River and for
24 -- for a century, we thought that was a -- or the
25 mills thought that that was a great conduit to get

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 rid of waste. Well, that was a short-term solution.
3 And now the mills are dead as Bitcoin will be. Thank
4 you. Bye.

5 A.L.J. OLIVIERI: Thank you. I'll
6 read off the remaining speaker names. Jamie Cooney,
7 Jesse Beardslee, Marie Fitzsimmons, Krys Cail,
8 Marilyn Crooker, David Locke, Laura Chanel, Theresa
9 Wilson, Mike Colyer, Richard Moher and James
10 Hufnagel.

11 The next speaker will be Jamie Cooney.
12 Jamie Cooney, if you're on the telephone, please
13 press star three.

14 MS. KATCHMAR: We just unmuted Jamie
15 fine. And now Jamie, if you could just talk. Your
16 line is unmuted. I don't see a hand up. And Jamie
17 seems to be having a problem with her audio.

18 A.L.J. OLIVIERI: Okay.

19 MS. KATCHMAR: I can try to unmute one
20 more time. Hold on. Okay. Can you hear us? Jamie?
21 No.

22 A.L.J. OLIVIERI: The next speaker is
23 Jesse Beardslee.

24 MS. BEARDSLEE: Hi, can you hear me?

25 A.L.J. OLIVIERI: Yes.

1 10-13-2021 - Greenidge Generation LLC - WebEx

2 MS. BEARDSLEE: Okay. Well, thank you
3 for hosting this public hearing and for allowing
4 everyday folks like myself the opportunity to voice
5 our opinions on this platform. I know there are many
6 fossil fuel and cryptocurrency enthusiasts with a lot
7 of money and power making their voices heard as well.

8 My name is Jessie Junko Beardslee.
9 I'm a Hector, New York, resident and the owner of two
10 Finger Lakes based businesses, Themis and Thread and
11 Hector Handmade. I was born on Seneca Lake and was
12 raised on the farm winery roster vineyards
13 (unintelligible). I may not have a lot of money and
14 power, but I do have a lot of love and hopes for the
15 Finger Lakes region.

16 I'm here today to urge Governor Hochul
17 to direct the Department of Environmental
18 Conservation to deny Greenidge's Titles Four and Five
19 Permits because of the environmental degradation that
20 have already begun to initiate. Air reviving and
21 efficient unstable washed up and retired fossil fuel
22 power plants to unnecessarily pollute our air and
23 water as they waste valuable resources mining
24 Bitcoin.

25 Greenidge is using Seneca Lake to draw

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 up a blueprint to bring back to life power plants
3 that have begun to red -- reduce output, so they can
4 capitalize while the environment pays the price. My
5 sustainable style, local art and agritourism based
6 businesses will suffer. My quality of life will
7 suffer. My air, water and land will suffer if
8 Greenidge continues their dirty work.

9 The Finger Lakes has valuable
10 spectacular delicate environmental ecosystems, and
11 now years into a pandemic and even more delicate
12 nature based economy revolving around our beautiful
13 lakes, waterfalls, wineries and countryside. This is
14 an opportunity. It could be an opportunity for
15 Greenidge to sweep the entire state with filthy
16 practices, destroying communities and industry or it
17 could be an opportunity for the Department of
18 Environmental Conservation to set a strong precedent
19 in favor of our most precious resources, our land and
20 water, culture and people.

21 I urge Governor Hochul to deny
22 Greenidge and choose us over big business pollution
23 and greed. We have a unique and sustainable industry
24 deserving of protection. Any industrial endeavors
25 are simply direct threats to our livelihood, not to

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 mention our health.

3 A.L.J. OLIVIERI: Thank you. The next
4 speaker is Marie Fitzsimmons. Fitzsimmons, if you're
5 on the telephone, please press star three. The next
6 speaker is Krys Cail.

7 MS. CAIL: Can you hear me?

8 A.L.J. OLIVIERI: Yes.

9 MS. CAIL: Okay. Thank you. My name
10 is Krys Cail. I live in Ulysses, New York. I am
11 retired. I have lived here since 1971. And have
12 very avidly watched the development of the local and
13 regional farm and rural economy and also had the good
14 fortune to study and practice some in developing.

15 I've -- definitely agree with a lot of
16 people who have spoken already about some of the
17 important point -- points about why these permits
18 should be rejected. But I want to focus on a couple
19 of things I have some expertise about. For one, this
20 is without question a poor, lower income agricultural
21 area.

22 Nonetheless is a very proud
23 agricultural heritage there and the importance of the
24 lake in some of the -- of the agricultural endeavors
25 and some of the tourism can't be overstated. The

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 harmful algal blooms are definitely getting worse,
3 and the air quality is also likely to impact how --
4 how the tourism is -- is -- is marketed and
5 understood.

6 So I -- I think it's extremely
7 important that we do look at, you know, what is the
8 reliability of this industry in terms of -- the
9 Bitcoin industry in terms of future jobs. And it's
10 very unreliable, it's extremely volatile. And on
11 some level, there is no product, it's -- it's
12 something of a gambling type product.

13 So to use precious resources and have
14 this kind of an effect on the -- on the climate for
15 something that is -- not something you can eat or
16 enjoy. Seems foolhardy at this time. Thank you for
17 the chance to speak.

18 A.L.J. OLIVIERI: Thank you. The next
19 speaker is Marilyn Crooker.

20 MS. CROOKER: Can you hear me?

21 A.L.J. OLIVIERI: Yes.

22 MS. CROOKER: All right. My name is
23 Marilyn Crooker, and I am a concerned citizen and
24 landowner on Cayuga Lake in Trumansburg. In fact,
25 the land I am living on has been in the family since

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 it was bought in 1793. And I feel it is important to
3 speak up on this issue. Even though I know the
4 current permits being sought are on Seneca Lake, I
5 live across from Milligan Power Station and was
6 thrilled when it closed and stopped burning coal.
7 But now I realize that this cryptocurrency mining
8 could also happen here as well in the future. I urge
9 the D.E.C. to deny the renewal permits and set a
10 higher standard for climate control throughout the
11 state.

12 More oversight is needed, not less.
13 And accountability for thermal pollution must be
14 upheld. Even as far back as when I was first here in
15 1965, the professors at Cornell were fighting then
16 the thermal pollution that was coming into the lake.
17 And here we are more than fifty years later, still
18 fighting the same things.

19 I am speaking today to help protect
20 the lake for my children and my grandchildren and
21 other future generations. We must save our natural
22 resources in this beautiful Finger Lakes region.
23 Thank you for hosting this open forum. I appreciate
24 it. Thank you.

25 A.L.J. OLIVIERI: Thank you. The next

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 speaker is David Locke. David Locke, if you're on
3 the telephone please press star three.

4 Okay. The next speaker is Laura
5 Shindell. Laura Shindell, if you're on the
6 telephone, please press star three.

7 The next speaker is Therese Wilson.

8 Okay. The next speaker is Mike
9 Colyer.

10 MR. COLYER: All right. Can you hear
11 me?

12 A.L.J. OLIVIERI: Yes.

13 MR. COLYER: Perfect. My name is Mike
14 Colyer. My wife and I were born and raised in the
15 Finger Lakes region of Western New York, and I'm
16 proud to say I graduated from the University of
17 Buffalo. I've spent twenty plus years of my career
18 in traditional business and four years ago, I
19 discovered blockchain technology.

20 I pivoted my career, because I felt
21 like this was the best way to make a positive impact
22 on the world, and here in western New York. I'm now
23 the C.E.O. of Foundry, a company based out of
24 Rochester. At Foundry, we empower decentralized
25 infrastructure by providing many products including

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 financial services to companies in the cryptocurrency
3 industry. Primarily Bitcoin mining company is in
4 North America.

5 Since we started a little over a year-
6 and-a-half ago, we have generated over sixty highly
7 skilled, full-time jobs at our office and have
8 contracted several companies and vendors in New York
9 State. We are currently growing at a rate of five to
10 ten people per month and plan to continue our
11 expansion right here in Western New York.

12 I'm very proud to be building a
13 cutting edge technology company in Rochester. One of
14 my main motivations was to put Western New York on
15 the global map of this rapidly growing cryptocurrency
16 industry. Blockchain -- blockchain technology forms
17 the basis of web three point zero, and is not
18 controlled by Silicon Valley.

19 Every one of the world has the
20 opportunity to participate in these decentralized
21 networks. One application of the blockchain --
22 blockchain technology is cryptocurrencies, Bitcoin
23 being one example. Blockchain technology empowers
24 everybody around the world including the unbanked
25 with currencies that are minted transparently in a

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 digital environment and truly as a result of market
3 forces and not as a result of the decisions made by a
4 few people behind closed doors.

5 In 2020, processing Bitcoin track --
6 transactions only accounted for one-tenth of one
7 percent of the global electricity consumption. New
8 York has one of the cleanest power complexes and the
9 highest standards in the world and should be using as
10 a head of advantage to be a leader in this industry.

11 Bitcoin and cryptocurrencies are used
12 extensively by citizens from some of the lowest
13 income countries in the world where inflation runs
14 rampant. And all the way to the wealthiest countries
15 like the United States where over fifty million
16 people are investors in the technology. More than
17 two hundred million people around the globe are
18 utilizing Bitcoin to store their savings, accept
19 remittance from relatives abroad and transact for
20 daily goods and services.

21 New York has the opportunity to be one
22 of the -- to be on the leading edge of this rapidly
23 growing global industry that is still in its infancy.
24 It's sort of like the internet back in 1996. The
25 reason I'm here today is because like Foundry, I've

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 seen Greenidge put Yates County on the global map of
3 today's rapidly changing world. And the way
4 Greenidge chose to do this is a unique way. It was a
5 first power plant, not only in New York, but also in
6 the world to start mining Bitcoin.

7 A.L.J. OLIVIERI: Mr. Colyer, I'm
8 going to have to ask you to summarize.

9 MR. COLYER: Yeah. I'm going to just
10 finish up here within a couple --

11 A.L.J. OLIVIERI: Okay.

12 MR. COLYER: -- I've been sitting for
13 three hours listening to everybody else talk about
14 it, I'd like to --.

15 A.L.J. OLIVIERI: Understand.

16 MR. COLYER: Having in -- so Greenidge
17 is -- was one of the first power plants in the world
18 to do this, and having an intermittent baseload
19 actually makes it a more reliable source to sell
20 power to the grid, which it does daily. Greenidge is
21 also unique and it's focused on the environment and
22 its community, which originated even before they
23 started mining Bitcoin. I witnessed this firsthand
24 each time I visit the Greenidge site. The company
25 draws the bulk of its workforce of fifty plus people

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 from the surrounding areas, including many second
3 generation employees motivated by the family's pride
4 in Greenidge. It is also applied for and operated
5 within all applicable permits of New York State,
6 which are among the most stringent in the United
7 States.

8 In fact, Greenidges has gone above and
9 beyond for its care for its people and the
10 environment. For example, it became one of the first
11 hundred percent carbon neutral mining operations in
12 North America and is committed to developing a solar
13 array on its property. I believe that the claims
14 made by Greenidge critics are based on a lack of
15 information or real understanding of all the work
16 that Greenidge has done and has been doing for our
17 state's economy and the environment.

18 I believe that Greenidge is doing an
19 even greater good of securing a decentralized network
20 that is empowering millions of underserved people
21 around the world. Plus, I -- I believe that
22 Greenidge deserves the support of the state and its
23 people and it should be granted this renewables and
24 existing permit where grant is not seeking to do
25 anything beyond what it has been doing.

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 Generating power for the state grid
3 and use as permitted behind the meter power to
4 generate even more value for the region and its
5 economy. Thank you very much for giving me the
6 chance to talk. Thank you.

7 A.L.J. OLIVIERI: Okay. Thank you.
8 The next speaker is Richard Maher. Is Richard Maher
9 on the line?

10 MR. MAHER: Hello.

11 A.L.J. OLIVIERI: Richard Maher --
12 Richard Maher, are you on the line? Okay. The --

13 MS. KATCHMAR: Hi --

14 A.L.J. OLIVIERI: Go ahead.

15 MS. KATCHMAR: Richard -- Richard
16 should be unmuted.

17 MR. MAHER: How about now?

18 MS. KATCHMAR: Yes.

19 MR. MAHER: Okay.

20 A.L.J. OLIVIERI: Yeah.

21 MR. MAHER: So thank you for the
22 opportunity to speak on behalf of O'Connell Electric.
23 I'm the manager superintendent with O'Connell
24 Electric. And we are proud to be working with the
25 Greenidge putting local men and women to work, and

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 when I say local, I mean local resident in Kenya, in
3 Geneva, Waterloo, Seneca Falls, all the work for
4 O'Connell's at the Greenidge plant.

5 These are skilled labor jobs, putting
6 money back into the local economy and giving local
7 families the opportunity to make a good living and
8 support the Finger Lakes area. Thanks for -- thank
9 you.

10 A.L.J. OLIVIERI: Thank you. The next
11 speaker is James Hufnagel. James Hufnagel, if you're
12 on the line, please let us know, press star three on
13 your telephone, if you are on the telephone.

14 MS. KATCHMAR: We do have -- did we
15 hear from Jamie Cooney, their hand is raised and they
16 had a bad audio. Do you want me to unmute them now?

17 A.L.J. OLIVIERI: Sure. Thank you.

18 MS. KATCHMAR: Okay. Let me try that.
19 Hi, your line is unmuted for Jamie Cooney. Are you
20 there? No. Okay.

21 A.L.J. OLIVIERI: All right. Okay.
22 At this time, I will ask if there's anyone in
23 attendance who believes they were scheduled to speak
24 and that we've not called your name, or your name was
25 called and you had technical difficulties, we would

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 ask that you please raise your hand at this time.

3 If you're on the telephone again, the
4 way that you raise your hand is to press star three.
5 If you joined us by the internet, click on the
6 participants' panel button -- I'm sorry,
7 participants' button to open the participants panel.
8 And you will see at the bottom of your screen a small
9 hand icon. If you click on that, that will raise
10 your hand. At this time, I'll call on Cyrus Umrigar.

11 MS. KATCHMAR: Oh, he has spoke. I
12 believe he has already --

13 A.L.J. OLIVIERA: Yes.

14 MS. KATCHMAR: -- spoke.

15 A.L.J. OLIVIERI: Is there anyone else
16 that believes they were scheduled to speak and we
17 have not called you, please raise your hand at this
18 time.

19 MS. KATCHMAR: I'm seeing a hand
20 raised. Did John Elder speak before? I have a hand
21 raised there. Yeah, no, he had technical -- let me
22 unmute John Elder. I'm unmuting him now.

23 A.L.J. OLIVIERI: Okay. Thank you.

24 MR. ELDER: Thank you. Can you hear
25 me now?

1 10-13-2021 - Greenidge Generation LLC - WebEx

2 A.L.J. OLIVIERI: Yes.

3 MR. ELDER: My name is John Elder. My
4 wife's family brought -- bought property on the east
5 shore of Seneca Lake in the early 1940s, and our
6 families have enjoyed this property for seven decades
7 now. During this period, the quality of the lake
8 water has declined. This is easy to see because of
9 the drastic decline in the fish population.

10 During the time when the salt works
11 and addressed in power station burned coal, the air
12 pollution was also easy to see, the particulates in
13 black smoke could not be missed. The shift from coal
14 to natural gas produces equally dangerous pollution.
15 But we can't see it. The massive burning of fossil
16 fuel by the Greenidge operation contributes to the
17 climate change that is now making Seneca Lake culture
18 ever more challenging.

19 As former owners of an organic
20 vineyard near our lake property, we know how vital
21 the winery industry and the tourism associated with
22 it is to the economy of our area. We believe that
23 the economic value of these businesses of our
24 uniquely beautiful Finger Lakes district far
25 outweighs whatever economic benefit Greenidge claims

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 to make.

3 The Greenidge generating plant was
4 permitted to provide electricity during excessive
5 load periods, not for a twenty-four/seven, three
6 sixty-five operation. Although Greenidge proponents
7 have been claiming that some of its electricity is
8 going into the grid or public use, they provide no
9 data to substantiate these claims.

10 We suspect that all of its power is
11 actually just being used for Bitcoin mining. Unless
12 and until a thorough ongoing study is completed of
13 the air pollution produced by the present Greenidge
14 operation, the permit request by Greenidge should not
15 be granted. Please exercise your responsibility and
16 determine how much pollution Greenidge's burning of
17 natural gas is contributing before deciding how to
18 permit and do not be distracted by Greenidge's claim
19 that it intends to offset this pollution by the
20 purchase of carbon credits. Thank you for your
21 attention.

22 A.L.J. OLIVIERI: Okay. At this time,
23 I want to thank everyone for joining us here today.
24 I appreciate you all staying in attendance, listening
25 to the comments of the community. We thank everyone

1 10-13-2021 - Greenidge Generation LLC - WebEx
2 who has taken the time to participate in the hearing.
3 It is very helpful to the D.E.C. in their review of
4 this project.

5 If anyone wants further information on
6 the remaining session this evening, you can click on
7 the D.E.C. homepage on your calendar and you will see
8 the details under today's date. Thank you again.
9 This meeting is now concluded.

10 THE REPORTER: We are off the record.

11 (Off the record, 4:29 p.m.)

12 (The proceeding concluded.)

13

14

15

16

17

18

19

20

21

22

23

24

25

1 10-13-2021 - Greenidge Generation LLC - WebEx

2 STATE OF NEW YORK

3 I, JANET WALLRAVIN, do hereby certify that the foregoing
4 was reported by me, in the cause, at the time and place,
5 as stated in the caption hereto, at Page 1 hereof; that
6 the foregoing typewritten transcription consisting of
7 pages 1 through 155, is a true record of all proceedings
8 had at the hearing.

9 IN WITNESS WHEREOF, I have hereunto
10 subscribed my name, this the 10th day of November, 2021.

11

12 JANET WALLRAVIN, Reporter

13

14

15

16

17

18

19

20

21

22

23

24

25

A	
abandoned	95:21
abate	18:22
abdicate	69:7
abi	2:14 44:4,5,6
able	25:7,8 64:2 96:14 110:5,9
abomination	125:24
abroad	147:19
absolutely	30:11 33:21 89:15 90:4 126:6
absorbing	71:22
abstention	10:22
absurd	88:13
accept	4:5 147:18
accepting	128:24
access	33:18
accord	65:2
accountability	144:13
accounted	147:6
accounts	101:13
accrued	57:12
accumulation	40:24
accurate	7:8
achieve	42:8 82:21
achieved	42:17
achieving	98:23
acid	1:11 133:10
acidification	41:3
ackert	77:13 84:11,12 86:21,21
acorn	58:13
acquire	81:12
act	20:2 23:17 30:8,8,22 31:4 31:14 47:2 55:13 66:12 70:21 93:17 118:10 119:23 124:15 130:5
action	18:13 21:9 47:2 52:14 76:21 104:25 113:3
actions	17:17
active	22:6 38:24 68:12
activists	103:17 104:25
activities	41:19 42:9
activity	19:23
acts	67:12
actual	9:18 91:25
add	24:4 37:6,7,14 76:19 111:4 129:10,15
adding	36:12 37:8 93:23
addition	37:12 85:4
additional	48:7,14 71:13 93:23
addock	10:8
address	7:8,11,20 23:14 117:19 133:22
addressed	136:7 153:11
addressing	39:11 79:24 112:4
adds	58:16
adequate	83:4 115:19
adhere	88:7,25
adherence	82:11
administration	39:5,8 50:9 75:19 82:21 107:25 109:12
administrations	39:25
admiration	57:11
advance	8:9 42:19
advancement	44:24
advantage	147:10
adversely	60:15 75:23
advisory	45:4,13 71:3 76:16 82:8 86:18
advocate	46:16
advocates	73:13 124:12
aerial	136:21
aesthetic	76:4
affairs	30:2
affect	98:12
afford	16:20 93:10 112:21 132:4
aftermath	41:11
afternoon	40:8 65:21 73:7 97:19 105:8 129:25
age	81:16
agencies	82:13
agency	11:11 82:22
agenda	70:19 96:19
agent	118:20
aggressive	70:19
aggressively	41:4
aging	22:9 77:6 101:17 122:17
ago	19:11 49:14 65:25 87:8 135:16 145:18 146:6
agree	142:15
agreeing	19:5
agreement	78:13,21 102:13
agricultural	17:19 92:21 121:17 121:23 126:5 133:6 142:20,23 142:24
agriculture	60:16 92:20 111:13 127:15
agritourism	141:5
ahead	34:9 46:11 57:5 60:2 78:7 81:8 84:23 86:25 101:25

113:12 127:12 137:18 150:14
aimed 138:7
air 1:10 10:25 11:18 13:4 14:18
 15:9 16:22 17:25 18:23 20:3,5
 22:24 24:16 26:21 28:20 30:7
 32:3,23 35:13 36:4,13 37:7
 38:15 39:9,21 40:20 43:2,4
 44:13,19,21 45:2,24 46:23
 49:11,14,17 50:6,15 51:6
 52:20 53:22 54:9 60:16 61:21
 62:6 63:11 64:6,20 70:17,22
 73:15,19 75:9,19,24 77:9
 78:24 80:22 84:8 85:9,12 86:2
 87:7 88:12 89:2 91:7 92:18
 97:22 98:11,12,15 99:14 101:6
 102:24 106:22 107:12 108:3,22
 109:3 110:25 111:4 113:18
 115:4,24 116:23 118:5,18,23
 120:12,16,18 121:3,16,21
 122:4,11,22,23 124:13 125:8
 125:19 128:20 132:14 133:7,11
 133:21 135:4 140:20,22 141:7
 143:3 153:11 154:13
albany 7:14,18
alex 2:16 51:22 52:3
algae 23:9 120:24 135:25 138:2
 138:4
algal 18:8 41:2 111:10 135:20
 143:2
alicea 2:16 51:19,19,21 54:4,6
 54:7
align 46:24
aligns 78:20
aliperti 43:25 44:2 109:17,17
 109:18
alj 1:16
alliance 110:20 116:21
allies 103:17
allison 3:10 123:5,9,10,16
allotments 50:15
allow 5:13 6:13 21:7 22:25
 31:15,16,23 37:11,13 42:15
 46:2 55:6,20 72:24 117:13
allowable 130:25
allowed 50:16 71:8 79:8 115:16
 118:12
allowing 9:16 25:9 78:10,25
 88:4 110:23 111:2 112:18
 132:19 136:9 140:3
allows 14:18 25:4 68:22
alternative 37:17 38:2
amazing 103:16
amazon 14:3
amber 3:7 107:16 110:18,19
ambient 120:12
ambiguity 83:16
ambitious 42:7 130:15
america 101:16 146:4 149:12
americans 112:11
americas 101:16
amount 16:20 48:13 66:20 98:2
amounts 11:5 37:7,9 47:6,7
 93:11 111:4 112:13 131:19,20
 134:11,11
ample 117:4
analysis 19:19
ancillary 35:18
andahalf 146:6
andrea 2:4 5:4
animal 115:8
ann 3:2,8 46:5,5 93:4,5 107:17
 114:18,23
anna 2:8 3:4 8:16,16,19 12:22
 80:7 97:7 100:18,22,25
anneaer 3:10 107:18 121:7,8,10
 121:11
announced 99:4
announcement 4:21 91:11
annual 14:2 107:5 121:25
annually 98:17 130:25
answer 5:16 31:19 128:18
answers 113:17
anthony 2:11 26:7,15
anthropogenic 78:15
anthropology 121:12
anticipated 12:6 17:25 18:3
antminer 36:15
antolas 2:5 5:4
anyones 8:10
apartments 41:13
apologize 8:9
appear 135:11
appearance 82:11
appearances 2:2
appeared 81:17
appearing 135:11
apple 58:11
appleseed 12:8

applicable 149:5
applicant 1:7 4:7
applicants 91:23
application 4:5,20 13:4 22:24
 23:16 40:19 43:2,5 65:4 85:8
 86:3 126:16 130:6 131:14
 146:21
applications 4:11 37:21 43:13
 68:11
applied 1:10 149:4
apply 43:7 115:15 132:23
appreciably 120:15
appreciate 28:16 56:20 90:5
 130:2 144:23 154:24
approval 53:25
approve 21:8 94:4 107:12 126:18
approved 16:21 64:7 81:25 83:23
approves 131:6
approving 43:2 53:7,9
approximately 13:24 48:11,18
april 81:10
aquatic 22:20 27:15 111:10
area 35:2,5 54:15 60:17 72:18
 107:24 119:13 120:23 133:19
 142:21 151:8 153:22
areas 41:7 149:2
argue 15:19
argued 49:13
argument 115:14
array 149:13
arrowhead 23:24
art 141:5
article 1:10,11 18:13 60:6
 116:22
ash 115:17
asked 16:21 39:5 57:15 113:17
 126:17
asking 91:25,25 132:12
aspects 134:6
assault 68:18
assembly 8:16,16,18 12:22 16:24
 80:5,6
assemblyman 25:20
assess 13:7 82:19
assessment 43:8
assisting 5:2 47:19
associate 121:12
associated 91:8 97:11 153:21
assured 50:13

atlantic 49:9
atlas 79:10,12,16 80:23 81:10
 81:15 83:2 101:22
atmosphere 40:25 53:4 66:21
 74:18 111:6 117:15
atmospheric 64:17
attempt 114:3 125:25
attendance 151:23 154:24
attended 6:22,23 32:24
attending 5:25 6:4,17 7:10 8:4
 101:4
attention 7:15,19 25:25 154:21
attorney 135:11
attraction 125:22
audio 5:5 139:17 151:16
august 79:12
authority 13:15
automated 108:23
availability 4:20
available 4:15 16:4
avenue 26:18
average 11:6 35:4,5 85:18,19
 88:21 109:6
avidly 142:12
avoid 42:4 134:5
aware 95:4 97:3

B

b 35:9 83:17 101:13 134:15
back 9:22 15:11 32:4 43:6,7
 54:4 56:18 59:7,25 61:8 74:20
 110:13 111:7 115:5,6 120:5
 141:2 144:14 147:24 151:6
backbone 125:17
background 17:11 82:7
backseat 28:21
backup 126:9
bacteria 111:10
bad 60:24 62:4,7 151:16
bailey 67:19
bait 119:15 121:4
balance 20:18
balancing 19:21 20:2
ban 19:11 69:17,20 96:3 101:15
 117:12
bank 80:3,5
banned 101:9 104:4
bardaglio 3:4 97:6,14,15,18,19
bare 53:4,5,6
barely 72:15 110:15

<p> base 24:16,16 122:24 based 13:23 103:13 108:4 110:21 140:10 141:5,12 145:23 149:14 baseline 35:16 baseload 148:18 basement 41:13 basic 138:20 basil 19:4 31:11 basis 43:14 86:11 146:17 batteries 33:14 battle 31:6,23 62:9 beach 23:24 beaches 111:16 bear 128:22 beardslee 3:14 139:7,23,24 140:2,8 beat 74:20 beauchamp 2:16 51:23,24 52:2,3 52:4,6,9,12 beautiful 19:9 28:6 29:22 34:12 134:24 141:12 144:22 153:24 beauty 60:18 becoming 58:8 95:4 101:18 bed 26:17 27:22 beep 99:24 beginning 25:15 47:12 begun 140:20 141:3 behalf 26:16 89:12 135:12 150:22 behavior 82:11 believe 24:10 25:14,20 34:21 50:22 113:16 132:23 149:13,18 149:21 152:12 153:22 believed 74:8 believes 42:21 151:23 152:16 bellevue 72:14 benefit 19:25 20:10,19 25:6 60:14 68:20 86:10 106:7 153:25 benefits 19:22 21:8 41:19 66:7 83:3 108:16 113:19,20 117:9 best 82:9 112:11 128:5 145:21 better 33:19 52:7 95:5 beyond 47:4 131:3 136:5 149:9 149:25 bid 70:21 113:18 biden 52:15 big 94:19 141:22 biggest 94:14 </p>	<p> biking 125:13 bill 51:14,14 billion 17:19 98:17 121:24 billions 72:23 bills 79:22 binder 2:5 biologist 61:18 bird 58:8 birds 61:18 bit 43:17 138:18 bitcoin 16:9,14,16,18 20:9 23:5 28:11 30:23 36:6,7,8 37:2,19 39:7,11,19 47:13,19 48:6,8 49:19 50:2,18 60:9 62:23 64:22,25 66:6,9 68:25 69:18 71:19 72:25 74:10 75:22 76:9 79:19,22 80:4 83:23 87:9,16 87:24 88:9,19,20 89:16,23 91:16 97:24 101:7,14,18 102:5 102:6,10,13,22,22 108:13,23 109:4,5,7 111:25 113:20 117:8 117:20 118:6 119:21 122:23 129:12 131:17,21 138:7 139:3 140:24 143:9 146:3,22 147:5 147:11,18 148:6,23 154:11 bitcoins 87:15 131:16 black 153:13 blade 58:13 blatant 31:18 block 103:23 blockchain 37:20,20 145:19 146:16,16,21,22,23 blooms 18:8 23:9 41:3 111:10 120:24 135:20,25 138:3,4 143:2 blowback 69:10 blowing 88:14 blueprint 141:2 board 29:25 43:6 82:8 115:10 135:12 boat 125:20 bob 65:21 76:20 bodies 15:16 body 69:3 boeke 3:9 107:18 119:6,7,9,11 119:12 bold 23:13 62:11 113:2 boom 28:9 border 61:16 </p>
---	---

bordering 32:17	burns 88:15
born 140:11 145:14	burst 94:15
boss 69:9	bus 52:13
bostwick 2:17 56:5,8,9,12,19 59:6,7 61:8,9,11,13,15	business 17:25 27:22,24 34:20 81:12 83:12 95:7 101:20 107:9 141:22 145:18
bottom 58:15 152:8	businesses 10:13 12:17 24:6,8 27:25 33:25 35:9 93:22,24 108:9 140:10 141:6 153:23
bought 144:2 153:4	bust 28:9
boundaries 108:23	button 152:6,7
box 1:8	buying 24:7
brainer 126:23	bye 139:4
breakfast 26:17 27:22	byproduct 23:4
breakneck 102:8	
breathe 96:3	
brian 2:23 77:12,13 81:6 84:11 84:11 86:21,21	
bribes 21:6	
briefing 13:2	
bring 117:13 141:2	
bringing 62:5	
brings 88:3 131:14	
british 48:23	
broad 35:8	
broadest 19:19	
broadway 7:14,18	
brooklyn 72:10 103:13	
brooktondale 89:13	
brotherhood 83:13	
brotherinlaw 128:4	
brothers 134:15	
brought 34:21 153:4	
bubble 94:15,19	
buddington 2:14 44:4,5,6,8	
budget 19:13	
buffalo 145:17	
build 18:2 39:3	
building 24:22 99:4 146:12	
buildings 48:22 112:5	
built 24:14 94:19	
bulb 38:5	
bulk 148:25	
burden 135:2	
burdett 107:23	
bureau 7:13,17	
burkhardt 97:5,8,9	
burn 10:18 104:6 117:15	
burned 10:16 153:11	
burning 34:18 41:20 64:17 68:24 74:4 97:23 104:9 124:8,12,18 124:24 130:13 131:7 136:13,14 144:6 153:15 154:16	
	C
	c 4:7 5:2 7:12,16,24 10:24 12:20 13:3,6 15:11,25,25 16:21 18:2,17,18,18,19 19:5 19:20 20:17 26:22 27:9 28:25 30:6 31:10,19,22,25 34:11,12 36:4,11 37:11,13 38:6,14,14 38:15 39:9,13,13,17,17,20 40:19 42:8,8,23,23 43:7,11,11 44:18 45:4,4,13,13,23,23,23 45:25 48:11,20,20 51:5 52:14 52:20 53:6,15 54:9 55:22 57:6 57:10,10 60:8,22,22 61:21 63:10 64:7,10,10,14,14 65:3,9 69:6,7,7,16 70:16 71:3 74:5 75:18 76:8,8,16,16 77:7,7,9 78:8,12,12,21,21,23 79:13,14 79:23 81:4,25 82:20 85:11 87:6,7,7 88:25,25 89:14 91:7 91:10 92:7,8,12 95:16,16 97:22 98:4,7,7 99:13,13,13 101:6,13,13,23 102:2,18,18,24 105:23 107:12 108:2 109:14 111:3,3 112:11,11,24 113:23 114:14 116:22 117:22 118:8,11 118:11,14,14,21,21,22 119:22 120:19 121:2,15 122:22 123:21 124:22 125:7 128:19,21,21 131:6 133:3,3,20 134:4,4 135:3 144:9 145:23 155:3,7 cail 3:15 139:7 142:6,7,9,10 calculations 60:13 98:10 118:17 calendar 155:7 call 5:8 6:8,8,20,23 8:5,18,18 8:23 12:22 21:14 34:6 56:8,13

56:14 63:15 68:23 77:12,17,23
 78:7 96:24 104:25 105:2,4,8,9
 107:15 110:13,17 115:3 127:5
 152:10
called 7:2 56:3 67:17 87:21
 97:4 134:19 151:24,25 152:17
callin 9:4 43:21 103:4
calling 8:8,19 35:23 82:17
 86:21
calls 40:17
camera 2:9 8:21 17:2,2,3,7
 25:19 32:4
camille 129:19,19
camp 85:23
campaign 69:10
campaigns 40:15
campbell 3:11 123:6 125:4,5,6
canal 125:19
canary 101:20
cancer 138:8
candidate 105:22
cant 45:16 55:6 79:16 142:25
 153:15
canyon 12:2 125:12
capacity 45:11 48:19 50:21,23
 71:8 84:4 116:3 131:4
capital 12:10 73:21
capitalize 141:4
caption 156:5
captive 47:20
carbon 11:22 14:20 22:25 31:16
 40:24 42:11 50:19 65:7,9
 74:23 78:23 90:15 98:25 99:3
 102:14 118:11,13 120:4 136:17
 136:18,19 149:11 154:20
cardano 87:22
care 19:17 57:25 58:6,9,13 92:6
 93:7,7 116:7 149:9
career 145:17,20
careful 39:6
carefully 11:11
carried 125:20
carry 138:21
carrying 125:9
case 19:24 20:8,16 28:3 43:13
 43:13 45:19 70:23 76:12 77:6
 90:18 98:22 99:11 109:10
 118:20 122:17
casino 113:23
catastrophe 42:4 92:3
catastrophic 30:20 94:16
catch 88:14
caught 88:8
cause 104:14 133:10 156:4
caused 41:9 75:2
causing 41:2,15 111:9
cayuga 143:24
center 12:4 18:10 44:23 85:23
central 12:2 107:4 128:4,9
century 138:24
certain 115:21
certainly 86:4 90:5
certified 12:19
certify 156:3
cetera 24:23
chair 30:2 65:23 75:17 91:5
 115:23
chairman 8:22 10:6 24:2 85:5,6
 86:17 105:19
challenge 50:7
challenges 42:5
challenging 153:18
chambers 81:20
chance 26:4 63:2 87:3 128:25
 134:5 143:17 150:6
chances 31:24
chanel 139:8
change 15:19 18:4 23:12 31:6,10
 31:23 38:12 39:15 40:22 62:8
 62:9 67:13 72:20,21 74:20
 92:2,14 98:6 109:14 114:12
 124:19 129:9 134:6,9 153:17
changed 14:11 49:13 120:3
changes 23:15 39:16,18 49:17
 75:6 76:10 133:23
changing 93:20 148:3
chaos 128:17
chapter 49:9
chapters 65:23
charge 33:13
charged 19:20
chase 80:3 122:19
chest 128:7
chickadees 58:14
chief 80:2
chiefly 108:15
children 34:24 58:10,21,22
 104:11,12 127:17 144:20

childrens 58:10,22 73:14
chile 14:4
china 96:3 101:8,9
chinas 101:14
choice 131:13,16
choose 141:22
chose 148:4
chris 2:3 3:10 7:15,19 107:18
 121:7,11
churchill 2:11 29:11,12,13,16
 29:20,21
ciesielski 2:19 56:7 59:8,9
 65:14,14,16,18,20,22
circumvented 19:18
cite 132:22
cited 135:19
citizen 38:24 101:5 107:23
 113:14 122:19 129:8 143:23
citizens 147:12
city 17:8,10,11,13 18:11,11,15
 19:3 58:11 68:9 72:14
claim 90:16 154:18
claimed 95:6
claiming 95:3 154:7
claims 86:7 91:23 95:19 98:24
 120:2 149:13 153:25 154:9
clarify 86:17
class 15:11
classifying 126:15
clean 27:8 28:23 34:17 67:11
 70:19 78:24 81:3 88:12 98:15
 106:16 109:3 121:21 133:6
 136:13,14
cleaner 124:13
cleanest 147:8
cleanly 131:25
cleanup 25:5
clear 17:14 75:15 103:25 104:20
clearly 7:5 8:13 49:16 95:24
 111:3 136:8,11,11
click 152:5,9 155:6
climate 13:5 15:19 17:20,21
 18:4 20:24 23:12,17 30:8,22
 31:4,6,9,13,23 38:11 39:15
 40:22 42:4,16 46:25 49:23
 51:10 52:23 55:8,13,21 57:17
 58:17 60:21 62:8,8,12 66:11
 67:11,13 68:12 70:19,20 72:20
 72:21 73:13,23 74:20,24 76:7
 76:10,21 78:20 79:24 80:21
 87:12 88:16,17,23 90:3 92:2
 92:14,25 93:9,15,17 95:5,13
 97:21 98:5,23 99:2 103:20
 104:18,19 109:13 110:25 112:4
 113:4 114:3,12 117:19 118:9
 119:23 124:3,14,15,19 125:2
 128:17 129:9 130:5,10,12,15
 130:23 131:15 134:6,25 143:14
 144:10 153:17
climbing 58:11
clock 29:17
close 34:21 54:10 73:18 104:25
closed 23:7 81:16 111:16 118:4
 128:12 144:6 147:4
closure 50:11
closures 81:17
cloud 37:19
club 49:8 50:6 65:22 91:5,6
 103:16 115:23
clyde 83:11
coal 10:16 32:22 34:17 45:3
 50:8,11 74:4 78:16 80:24
 81:14,16,17 101:20,24 106:8
 115:17,17 116:24,24 120:3
 122:13 144:6 153:11,13
coalition 94:9
coastal 41:7
code 7:19 91:4
codified 19:12
cofounder 94:9
coins 57:25 117:20 136:24
collected 19:3
collective 79:7
college 127:15
colleges 121:13
colyer 3:16 35:20 139:9 145:9
 145:10,13,14 148:7,9,12,16
combat 30:19
combine 50:3
combined 12:9 14:3 98:9 118:16
combustion 45:3 122:13
come 42:16 56:18 59:7 128:23
comes 30:23
coming 43:7 60:12 136:11 144:16
comm 31:14
commen 7:21
commenced 4:2
comment 1:5 4:5,14,15,22,24
 5:12,13 7:21 46:15 49:10
 116:19 128:25 130:3

comments 4:5 5:17,20,24 6:2,13
 6:15 7:5,9,12,21,25 8:2 10:8
 26:5 28:15 29:3 33:8 75:17
 80:18 110:10,14 119:14 135:5
 154:25
commercial 10:4 76:4
commission 19:20 75:8
commissioner 19:4 26:14 31:11
 69:6,16
commitment 32:21 40:2 83:21
committed 30:14 33:2 70:18
 149:12
committee 18:13 30:2 65:23
 82:16 85:5 86:18 115:24
 135:14
common 95:18 113:21 128:22
communication 5:3
communities 17:17 21:10 55:15
 94:18 104:8,15,22 136:4,22
 141:16
community 13:6 16:12 23:17
 31:14 42:3 44:9,11 47:2 55:13
 66:11 67:12 68:18 70:21 78:18
 83:22 85:14,23 86:11,17 91:21
 93:17 106:12 107:11 116:21
 118:10 119:23 122:20 124:15
 126:21 130:5 148:22 154:25
companies 16:5 41:24,25 47:20
 68:13 81:12 101:11 146:2,8
company 15:4 36:7 47:22 48:5
 67:5 71:20 77:3,4 79:4 91:18
 107:2 117:10 145:23 146:3,13
 148:24
companys 48:2 131:2
compared 85:11
comparison 47:13 48:12
compatibility 43:11
compatible 55:12
competition 13:20
complete 4:13,19 19:18 38:7
 58:7 84:7 92:10 117:23
completed 6:15 22:8 154:12
completely 115:8 124:6
completing 22:14
complexes 19:22 147:8
compliance 11:18 31:12 80:20
 106:22 128:21
comply 51:10,10
complying 85:11
component 19:25
comprehensive 43:10
computational 112:15
computer 135:9 137:21
computers 64:23 78:14 138:7
computing 131:19
con 78:18
concentrations 120:15
concept 119:18
concern 7:7 45:22 115:21
concerned 38:24 101:5 107:23
 113:14 143:23
concerning 136:11
concerns 44:9 129:8
conclude 6:16
concluded 94:13 155:9,12
concurrent 15:15
conduit 138:25
confident 31:18
conflict 68:25 131:14
connecticut 81:11
conscious 33:3
consequences 23:12 94:16 134:3
conservation 1:3 4:4 11:10,20
 40:18 49:8 114:14 132:13
 140:18 141:18
conserve 18:20 112:12
consider 36:11,13 38:6 74:15
 90:7 92:9 102:20 117:22 118:6
considerably 66:9
consideration 43:12,14 75:10
considerations 39:15 81:23
considered 5:22 118:2 130:22
considering 52:22
considine 3:10 123:6,9,10,13,15
 123:16
consistent 38:13 45:23 71:15
 77:7 99:13 118:21 133:2
consisting 156:6
constant 44:15,17 78:15
constantly 135:25
construction 49:19
construed 20:4
consume 30:25 31:8
consumed 47:14
consumer 115:15
consumes 36:15 47:6
consuming 93:24
consumption 14:2 48:22,25 88:19
 116:11 131:23 147:7

<p> contemplated 49:18 context 124:25 continually 55:11 continuation 109:9 continue 25:4 30:5 31:8 42:14 48:2 55:6 68:23 83:3 123:2 124:11,19 146:10 continues 24:17 33:22 141:8 continuing 43:12 contracted 146:8 contractors 34:25 contradiction 131:24 contrary 67:10 contribute 11:4 57:19 contributed 130:4 contributes 73:22 153:16 contributing 22:15 134:12 154:17 contribution 11:24 23:14 35:6 106:25 contributions 24:3 control 18:22 30:10 144:10 controlled 146:18 convergence 19:2 conversation 96:24 conversion 32:21 102:3 convert 74:4 101:25 106:15 converted 10:18 108:15 115:17 converting 42:17 129:11 cooking 112:6 cool 65:4 coolant 15:11 28:5 cooling 23:3,8 36:22 64:24 cooney 139:6,11,12 151:15,19 coordinator 97:20 cope 128:14 copy 12:19 corn 128:5,7 cornell 45:14 76:20 144:15 cornells 127:14 corners 32:12 corning 137:20 corporate 62:24 69:10 corporation 68:17 122:2 correct 8:10 25:16 115:10 correctly 8:11 108:17 corresponding 15:8 cost 31:3,3,5 47:21 122:10 couchon 97:6 99:17,17 </p>	<p> couldnt 59:20 61:14 87:10 128:7 137:10 council 8:21 18:15 29:23 76:21 councilman 25:19 councilor 17:10 18:11 counteract 98:25 counterpart 134:8 counties 92:21 121:18 138:13,16 countries 14:4 47:16 101:12 131:22 147:13,14 country 15:16 23:11 70:20 89:24 89:25,25 93:8 94:3 95:22 109:8 112:2 countryside 141:13 county 10:7,21 11:4,5,24 12:2 21:5,5,14,22,23 22:5,5,11 29:24 32:14,24 33:15,23 34:2 35:11 54:8 61:16 78:22 82:8 83:11 85:3,7,19,21,25 86:6 95:20 97:21 105:19 106:6,9,10 106:25 107:4 114:24 121:17 123:17 129:7 130:2 135:10,12 136:19,22 138:2,14,17 148:2 couple 62:22 115:10 138:11 142:18 148:10 course 121:22 court 7:6 8:12,13 96:12 110:9 covered 50:4 129:14 covert 61:15 covid19 12:16 83:23 cowritten 94:11 create 20:20 28:7 50:3 55:15,16 89:18 120:14 created 11:3 78:18 107:2 creates 90:6 95:6 creating 16:19 84:5 creator 95:9 108:24 creatures 27:15,16 credit 31:16 credits 154:20 crisis 41:16 52:23 57:17 78:20 87:12 93:9 112:4 113:4 114:3 117:19 130:10 134:25 crisp 108:4 critical 14:17 74:19 76:7 82:12 112:4 critically 105:24 critics 149:14 cronk 123:6 126:25,25 </p>
--	--

cronyism 82:5,6
crooker 3:15 139:8 143:19,20,22
 143:23
crop 128:5
crops 44:20 122:6
crypto 13:10 16:5 40:21 41:17
 42:9,18 43:8 57:15,24 58:21
 87:20 112:12,23 113:23
cryptocurrencies 28:10 60:13
 87:10,11,17 88:5 89:16 90:22
 146:22 147:11
cryptocurrency 11:21 13:12,19
 13:23 14:5,9,16 15:18,20 19:6
 28:12 33:7 39:24 47:5,8 49:22
 51:8 53:19,25 58:16 60:25
 87:5,21 88:13 91:17 94:11,19
 95:7,15 101:9 103:18 108:7
 110:24 111:21,23 112:22
 114:13 117:19 122:9 124:25
 128:18 130:18 132:21 140:6
 144:7 146:2,15
cryptocurrencys 79:17
cultural 76:4
culture 141:20 153:17
cuomo 38:6 39:8 50:8,9 69:6,11
 82:20 92:8 109:12
cuomos 82:5
curb 41:4
cure 138:8
currencies 87:18,24 146:25
currency 67:4
current 14:18 32:25 41:21 42:16
 50:5 79:14 105:20 144:4
currently 13:11 29:23 47:9
 71:16 75:21 131:21 146:9
custody 80:5
cut 45:5 71:4 76:17 122:19
cuts 45:15 76:22
cutting 146:13
cycle 28:9
cycles 17:22
cyrus 77:15 89:7,12 152:10

D

d 5:2 7:12,16,24 12:20 13:3,6
 16:21 18:17,18,18,19 19:5,20
 30:6 31:10,19,22,25 36:4,11
 37:11,13 38:5,6,15 39:9,20
 40:19 43:7 44:18 45:23,25
 48:11 51:5 52:14,20 53:6,15

54:9 55:22 57:6,17 58:16 60:8
 61:21 63:10 65:3 69:6,16
 70:16 74:5 75:18 77:9 78:8,23
 81:4,25 82:20 85:11 87:6
 89:14 91:7,10,10 92:7,8,12
 97:22 98:4 99:13 101:6,23
 102:2,24 107:12 108:2 109:14
 112:24 113:23 114:14 116:22
 117:22 118:8,22 119:22 120:19
 121:2,15 122:22 123:21 124:22
 125:7 128:19 131:6 133:20
 135:3 144:9 155:3,7
daily 35:3 83:20 93:21 147:20
 148:20
dale 2:12 34:6,11
damage 21:7 24:22 41:9 113:3
 128:16
damaging 75:25 130:12
dan 36:2
dangerous 66:18 104:24 105:10
 111:19 153:14
dangerously 102:14
dangers 95:5 135:20
daniel 2:13 35:23
dared 68:17
data 12:4 14:17 43:13 47:12
 154:9
date 1:13 126:13 155:8
dating 54:11
daughter 127:22
david 2:16,21 3:14 51:19,19
 54:4,7 67:18 72:5,9 123:8
 135:7,7,10 139:8 145:2,2
davis 2:23 77:13 83:7,8,10,11
day 10:12 15:10 16:10,13,14,16
 16:17 23:19 35:17 72:14 83:25
 84:2 93:10 114:9,10 117:9
 128:6 156:10
days 14:14 15:8 34:13,13 36:19
 88:22 117:9 128:9
dead 41:12 139:3
deal 83:15 101:3 136:2
dear 123:18
death 41:9 52:25
deaths 44:25 122:11 124:20
decades 33:6 101:24 138:22
 153:6
december 14:22
decent 116:11

<p>decentralized 145:24 146:20 149:19</p> <p>deciding 154:17</p> <p>decimating 58:17</p> <p>decision 45:18 55:8 80:8 92:6 103:19 126:23 130:9,16</p> <p>decisionmaking 82:22</p> <p>decisions 31:22 147:3</p> <p>decline 153:9</p> <p>declined 153:8</p> <p>decommissioned 80:25</p> <p>decreasing 133:5</p> <p>dedicated 46:18</p> <p>deep 128:6</p> <p>deeply 131:10</p> <p>defending 46:20</p> <p>definitely 142:15 143:2</p> <p>degradation 19:10 86:15 140:19</p> <p>degrade 75:24</p> <p>degree 58:17</p> <p>degrees 15:12,13 102:11</p> <p>del 2:11 26:7,8,9,12,15 28:14 28:17 29:8</p> <p>delay 9:20</p> <p>delicate 141:10,11</p> <p>delight 125:13</p> <p>delighted 52:16</p> <p>delist 79:13</p> <p>deliver 40:11</p> <p>demand 24:18 28:24 49:21 50:17 52:15,17,19 64:23 66:3 74:2,8 74:11 80:21</p> <p>demands 13:22 128:21,22</p> <p>demise 58:7</p> <p>democratize 94:21</p> <p>demonstrate 30:5,17 38:11 39:25 51:9 92:13 98:5 109:13</p> <p>demonstrated 32:20</p> <p>denial 28:2 91:13</p> <p>denied 42:22 43:5 50:6 72:12 91:12 94:5 133:12 136:25</p> <p>denise 2:22 56:7 59:11 67:17,21 67:22,24 77:20,21</p> <p>denmark 89:25</p> <p>dennis 2:24 77:13 84:14,14,16 84:18,19,22,25,25</p> <p>deny 23:15 27:17,21 30:6 31:17 32:2,2,2 36:4 38:15 39:9 40:19 44:18 45:24,25 46:23 52:20 53:22 54:9 55:23 57:7</p>	<p>58:18,19,20,21 60:8 61:21 63:10 69:17 70:16 75:9 77:9 80:22 87:7 89:2,14 90:20 91:7 91:10 92:25 96:4 97:22 99:14 102:24 108:2 109:14 114:15 115:3,3 116:22 118:22 121:15 122:22 123:21 124:22 125:7 128:19 132:13 133:20 140:18 141:21 144:9</p> <p>denying 38:12 92:15 98:6 135:4</p> <p>department 1:3 4:10,14,16 5:16 5:22,23 11:9,19 40:18 46:23 49:9,13 79:8 84:7 130:6 132:13 135:16 136:20 140:17 141:17</p> <p>departments 47:2</p> <p>depend 10:14 24:20 27:11</p> <p>depended 24:20 28:23</p> <p>dependent 98:14 121:20</p> <p>depends 17:20 27:22 109:2 133:6</p> <p>desarno 107:17 118:25,25</p> <p>describes 36:5</p> <p>deserve 27:16 78:20</p> <p>deserves 149:22</p> <p>deserving 141:24</p> <p>design 13:16 130:11</p> <p>designation 39:20</p> <p>designed 13:20 108:14</p> <p>desire 108:8</p> <p>desperately 134:13</p> <p>despite 68:24 95:19</p> <p>destination 76:5</p> <p>destroyed 18:7 90:8,9</p> <p>destroying 57:17 61:5 73:20 86:8 141:16</p> <p>detail 74:25</p> <p>details 129:14 155:8</p> <p>determination 4:17 79:2,13</p> <p>determine 154:16</p> <p>determined 4:10 11:13</p> <p>devastating 41:6</p> <p>devastation 104:14,21</p> <p>develop 82:9</p> <p>developing 142:14 149:12</p> <p>development 28:22 130:14 142:12</p> <p>device 5:5 110:13</p> <p>devoted 126:4</p> <p>diaddigo 3:6 107:16 109:22,22 109:25 110:3,7,10,16 137:5,8 137:9,13,14,16,19</p>
--	--

diameter 75:2
diamond 80:2
didnt 24:21 26:3 59:20 62:5,5
 128:10
died 72:18
different 57:10 115:8 118:4
difficult 42:8,12 50:25 60:21
 64:9 130:19
difficulties 59:23 151:25
digital 88:19 147:2
dinosaurs 58:4
dioxide 14:20 22:25 40:24 50:19
 74:23
dire 95:13
direct 30:6 36:3 38:15 45:25
 63:10 70:16 91:10 101:5
 108:17 121:15 122:22 124:14
 131:24 140:17 141:25
directing 109:14
direction 117:21
directly 12:3,10 18:7 32:23
 136:23
director 49:8 116:21
dirty 50:11
dirtyest 117:17
dirty 53:13 104:9 125:24 126:7
 141:8
disaster 110:25 124:4
disasters 72:19
disastrous 123:23
discharge 33:4 75:5 135:18
discovered 145:19
discussed 36:14
disingenuous 91:23
distant 52:23
distracted 154:18
district 21:25 85:3 153:24
disturbing 44:14
division 7:13,16
doesnt 62:20 78:23
doing 10:5 56:4 68:16 78:2 84:4
 108:11 112:11 115:6 149:16,18
 149:25
dollars 11:8 12:6,13 16:7,10
 34:22 35:7 72:23 98:17 121:24
donations 81:22
dont 15:24 41:4 57:14,25 58:4,9
 58:13 70:6 87:18,20 96:23
 108:6 112:9 119:13 137:24
 139:16

door 63:8 130:17 131:8
doors 147:4
dot 7:22,24,24 101:13
double 85:18
doubt 26:23
doug 10:7 99:17,17
douglas 2:8 8:22,24 9:21 10:7
downpour 128:10
downs 2:15 49:6,7,7
downstream 62:6
dozen 41:12
dozens 19:15 34:25 51:4 53:17
dr 45:12 76:20
draft 4:14,20 86:12
drafted 75:21
dramatic 133:23
drastic 153:9
draw 140:25
drawing 43:6
draws 148:25
dresden 1:8 4:9 44:10 86:5
 101:19,23 125:10,23 132:15
 137:25,25
drilling 64:16 66:14
drinking 27:12 111:17 136:3
driven 121:23
driver 64:18 85:13
driving 98:16
drop 106:12
dropping 54:14
drought 54:25
droughts 124:20
drowns 44:15
drying 55:8
duck 34:14
due 6:11 12:3 33:17 45:3 79:3
 90:18 115:12 122:12
dump 111:9
dunlea 2:22 67:20 75:15,16,16
duration 17:23

E

e 5:2 7:12,16,24 12:20 13:3,6
 16:21 18:17,18,18,19 19:5,20
 30:6 31:10,19,22,25 34:11
 35:9 36:4,11 37:11,13 38:5,6
 38:15 39:9,19,20 40:19 43:7
 44:18 45:23,25 48:11 51:5
 52:14,20 53:6,15 54:9 55:22
 57:6 60:8 61:21 63:10 65:3

69:6,16 70:16 74:5 75:18 77:9
 78:8,23 79:13,14,23 81:4,25
 82:20 83:17 85:11 87:6 89:14
 91:7,10 92:7,8,11,12 97:22
 98:4 99:13 101:6,13,23 102:2
 102:24 107:12 108:2 109:14
 112:24 113:23 114:14 115:7,20
 115:21 116:22 117:22 118:8,22
 119:22 120:19 121:2,15 122:22
 123:21 124:22 125:7 128:19
 131:6 133:20 134:15 135:3
 144:9 145:23 155:3,7
eagles 58:5,7
earlier 108:17 137:9
early 41:10 101:8 153:5
earned 16:8,9
earnings 12:12 25:5
earth 27:16 46:16,17,20,22,22
 57:23 102:19
earths 102:10
east 153:4
eastern 22:3
easy 92:5 153:8,12
eat 61:19 96:2 143:15
ecological 28:19,21 55:4
ecology 45:14
economic 12:18 18:25 27:19
 33:23 45:20 54:24 77:5 85:13
 94:20,23 99:10 102:16 106:4
 121:22 122:15 130:14 153:23
 153:25
economical 138:10
economics 17:12
economies 22:21
economy 11:24 18:5 21:12 28:8
 41:7 44:24 98:13,14,17 106:25
 109:2 110:21 116:22 117:18
 121:20,23 122:4 132:2 134:2
 138:18 141:12 142:13 149:17
 150:5 151:6 153:22
ecosystem 92:22 108:21
ecosystems 41:8 78:24 141:10
ed 78:18
eden 2:23 77:13 81:6,7,10
edge 18:9 146:13 147:22
edition 16:12
education 40:13,15 75:17
effect 108:6 120:23 143:14
effectively 42:20
effects 23:7 30:20 72:21 124:2
 127:19
efficiency 131:25 133:25
efficient 14:7 140:21
efforts 19:16 28:7 114:11
egregiously 116:9
eight 5:9,9,10,10 12:11,12,13
 14:19 15:13 22:4 29:25 36:20
 47:10 105:5,6
eighteen 101:14
eighty 12:17 24:6 48:20
eightyfive 30:16 48:6,23 64:11
 88:24 99:7
eightysix 15:12 66:19
either 24:7 29:7 69:13 109:12
elder 3:3,17 96:6,7,8,10,13,16
 96:17,21,22 152:20,22,24
 153:3,3
elected 6:8 85:7
electives 8:20
electric 19:25 20:7 24:9 33:11
 81:16 83:25 118:12 124:7
 126:10 150:22,24
electrical 10:12 41:22 83:13
 105:24 116:8 119:18,24
electricity 10:14 11:16 33:13
 47:11,14,15,16 57:18 64:16,23
 66:3 67:2 73:16 74:2,9,11
 88:21 106:2,18,20 122:8
 131:20,22,23 147:7 154:4,7
electrification 112:8
electrify 112:5
electrifying 132:2
electronic 4:25
element 86:13
elements 22:14
elephants 58:3
eleven 128:5,15
eleventh 114:2
eligible 119:25
eliminate 41:14 45:6 71:5 76:18
 132:3
eliminating 112:3
elimination 106:13
elizabeth 2:15 46:7,8 107:18
 119:3,4
elmer 3:11 123:6 127:3,9,10,14
email 5:19 7:20 29:3,7 77:15
 89:5 109:22 110:11

<p>embark 22:17 embrace 130:10 emergency 67:13 72:13 73:24 102:20 emeritus 127:14 emily 2:6 emission 20:13 34:18 48:10 53:8 134:2 emissions 10:20 17:25 20:5,6 22:25 30:10 32:23 36:13 37:16 44:21 45:5 47:8,17,24 48:3,12 48:13,14,16,20 50:19 51:3 60:11 62:10 64:7,11 66:8,12 66:22 67:10,13 68:20 71:4,12 71:15 75:23 76:11,15,17 85:12 88:24 92:4,18,23 93:18 94:2 95:3 98:8,9,12,25 102:9,15 113:25 114:5 118:15,16 120:6 120:10,14 122:4 124:5,6,17,18 126:19 128:23 130:22,24 131:10,11 133:2,4 134:3 emit 74:23 emitted 14:21,23 76:19 emitting 45:7 57:18 71:6 133:9 emma 2:5 5:4 emotional 86:11 empire 30:11 employed 24:6 employees 33:24 85:17 108:18 149:3 employment 83:25 empower 145:24 empowering 149:20 empowers 146:23 enable 130:15 enabling 102:21 enacted 126:9 enactment 39:17 49:23 encompasses 21:10 encourage 84:6 endanger 51:11 endeavor 61:4 endeavors 141:24 142:24 endicott 91:4 endorsed 86:2 enemy 31:5 energy 7:13,17 13:8,17,22,25 14:2,2,7,12,15 15:21 16:4 17:11 24:15,18 30:25 31:2 36:21 37:15,19,24 41:5,15,18</p>	<p>41:20 42:5,6,9,11,13,19,21,23 45:15 47:6 48:8,22,25 49:25 61:25 65:23 67:9,11 68:13 69:3 70:19 71:23 73:2 76:22 76:25 79:22 81:2,3 87:15,19 87:23 88:9,19 89:21,23,24 91:20 93:20,24 94:24 102:7,21 106:2 109:4 111:7,23 112:2,3 112:9,12,13,17,22 113:14 114:8,10,12,14 116:10,11 117:21 130:11,21 131:15,24 132:4 133:24,25 134:17,17 enforcing 40:3 engage 40:14 engaged 119:16 engine 121:22 engineering 13:16 enhance 18:23 enhanced 129:16 enidge 7:23 enjoy 34:14 58:11 143:16 enjoyed 125:22 153:6 enlightened 81:18 enormity 94:23 enormous 16:19 75:22 89:22 114:8 enrich 94:22 122:25 enrichment 126:22 ensure 124:13,17 ensuring 10:13 entail 23:2 enterprise 116:9 enthusiastically 85:7 enthusiasts 140:6 entire 21:11 47:16 89:24,25,25 112:2 141:15 entirely 124:8 entities 10:14 21:5 entry 5:7 environ 11:19 environment 18:21 23:18 32:21 40:2,16 46:21 51:11 61:6 71:22 83:21 92:7 102:15 107:10 122:21,25 126:21 141:4 147:2 148:21 149:10,17 environmental 1:3 4:3 7:13,17 11:10,11,14,20 12:18 19:10 25:5 30:2 38:8 39:6,10 40:3 40:18,23 42:2,24 43:9 45:20 50:5 51:9 60:19 65:5 68:18</p>
---	--

74:7 76:2 77:4 82:2 83:5
 91:19 92:10 99:10 108:25
 117:10,24 121:14 122:15
 132:13 135:13 140:17,19
 141:10,18
environmentally 33:3 55:14
 87:18
equal 5:23 48:13 66:20
equaled 71:12
equalizer 94:21
equally 153:14
equipment 36:12,14 102:4
equivalent 14:20 16:13,14,17
 37:16 66:22 111:23
equivalents 45:8 71:7
era 69:11 81:16 135:2
eric 2:14 3:5 40:5,10 97:7
 100:15,16 103:9,10,13
error 136:9
escalate 15:22
especially 16:3 44:20 115:2
 118:2
essential 103:22 125:18
essentially 38:2 62:21,24
established 30:9,9 76:7 85:20
estimate 12:9
estimated 66:8 99:5 111:25
estimates 74:22 88:18
et 24:22
ethereum 87:9
ethical 82:10
ethics 82:8,17
ettman 3:14 123:8 135:7,7,9,10
evaluate 43:11
evaluated 118:7 124:25
evening 105:8 155:6
event 115:12
events 23:10,11 41:2 95:13
everybody 146:24 148:13
everybodys 97:3
everyday 140:4
evidence 26:20 78:10 82:6
evolutionary 61:17
ewing 3:11 123:6 127:3,4,7,9,10
 127:10,13,14
exact 20:22 52:18
exactly 55:5
examine 40:13
example 23:10 47:8 101:12,19
 119:15 146:23 149:10

exceed 20:14 29:17 98:10 102:12
 118:17
exceeding 20:14 130:25
exceeds 33:4
excellent 107:10 119:17
excessive 13:9 154:4
excited 54:21 58:5
exec 80:2
executive 80:2 81:20
exemption 79:9 115:20,21
exercise 154:15
exgovernor 69:5
existence 20:23 62:13 93:21
existential 20:22,23 73:23 90:3
existing 11:18 34:17 106:22
 149:24
exists 62:13
expand 15:4 16:3 33:14 55:7
 71:8 78:11,25 102:22 110:24
 111:2 131:3
expanded 111:21
expands 45:10
expansion 39:19 60:8 80:22
 109:9 113:2 146:11
expectations 129:17
expected 20:14 30:12 106:18
expenditure 89:21
expense 57:13 67:8 132:22
experience 5:6,8
experiences 44:11
experiencing 59:22 73:23
expertise 142:19
explains 91:12
exploiting 98:19 122:2 124:11
exponential 45:19 112:19
exponentially 57:22 102:8
extension 5:17
extensively 81:19 147:12
externalized 42:2 91:20 117:11
extinctions 57:20
extoll 95:2
extra 29:2 128:23
extracted 74:17
extreme 41:2 54:23,25 55:2,3
 124:20 131:15
extremely 28:3 41:18 117:20
 143:6,10

F

fabulous 80:21

<p>face 42:5 62:13 130:9 134:3,25 facebook 14:3 facilities 33:20 42:15 45:7 48:25 51:5,8,10 53:9,17 55:18 70:24 71:6 76:8,13,19 79:17 98:22 108:2 facility 1:10 4:8,18 14:12 32:17,20,22 33:2 34:16 35:3 35:15 38:13 40:21 43:2 49:20 50:18 52:21 60:7 62:23 65:24 66:9,13,15 73:19 74:4 75:20 76:3,6,15 81:16 83:14 95:14 97:24 106:22 108:13,15 117:2 118:6,9 123:22 124:12 131:4 132:16,24 facilitys 132:25 133:3 facing 40:23 88:3 90:3 93:9 fact 9:17 42:20 86:12 120:10 136:8 143:24 149:8 factor 37:24 92:4 98:7 118:14 factored 51:3 factors 22:15 50:3 98:16 factory 119:21 facts 28:2 factual 108:3 factually 80:8 fail 31:7 failed 38:6 79:20 90:19 92:9 117:22 134:21 fails 21:9 135:2 failure 31:9 fair 29:18 fairport 101:2 faller 67:19 fallert 2:21 73:6,7,10,11 falls 22:10 29:22,23 83:17 151:3 false 80:8 95:10 families 84:2 151:7 153:6 family 23:24 35:2 54:21 123:19 125:21 143:25 153:4 familys 149:3 far 16:4 22:25 23:2 26:24 47:3 57:12 68:16 74:18 87:23 130:25 144:14 153:24 farm 99:5 140:12 142:13 farmers 27:19 55:4 fauna 57:20 favor 10:24 90:14 129:10 141:19</p>	<p>favorite 54:22 fear 134:7 february 18:16 86:18 federal 120:11 feedback 5:6 feel 130:8 144:2 fellow 104:25 felt 41:6 145:20 fewer 57:22,22 field 36:2 fields 75:3 fifteen 36:24 45:8,12 71:7,10 99:6 fifty 34:25 36:16 45:6 71:5 76:18 108:17 144:17 147:15 148:25 fiftyeight 98:18 121:25 fiftyfive 14:25 fiftyone 15:3 48:14 71:13 fight 31:6 95:10 fighting 117:16 144:15,18 filed 18:13 filled 11:3 107:2 fills 24:25 filthy 141:15 final 4:16,17 84:8 finally 104:15,24 finance 79:8 85:5 financial 25:3 41:24 71:21 77:3 81:13 91:17 126:22 146:2 find 106:19 125:23 127:25 135:15 138:5 finding 138:8 fine 29:7 89:21 120:23 139:15 finger 4:23 17:18 18:10,14 19:7 21:7 27:20 29:22 54:17,25 55:22 76:5 98:14 101:4 102:16 106:6 109:2 114:25 119:12 121:19 133:19 134:23 137:21 138:6 140:10,15 141:9 144:22 145:15 151:8 153:24 finish 148:10 finland 89:24 finneran 2:18 3:8 56:6,25 57:2 57:3,4,6 107:17 114:18,19,22 114:23 fire 57:20 fired 81:14 92:12 106:8,16 firm 46:18 81:11 108:22</p>
--	--

<p>first 6:8 8:15 31:25 50:7,18 63:9 66:20 68:17 89:4 104:17 113:24 144:14 148:5,17 149:10 firsthand 148:23 fiscal 19:13 fish 18:7 27:15 123:25 153:9 fishing 111:13 fitzsimmons 139:7 142:4,4 five 4:6,11 5:8,10,15 10:25 11:7 13:7 14:14,14 15:2,3,5,8 15:10 16:22 19:11 20:3 22:24 25:19 26:21 30:6 32:3,18 34:4 36:4 37:2 38:15 40:19 43:4 44:19 45:24 46:23 47:3 48:7 49:11,14,17 51:6 52:20 53:22 55:23 56:14 57:7 58:18 60:6 61:21 63:11 64:6,20 66:23 70:16,17,22 72:11 73:15 75:9 75:19 77:9 84:8 91:7 92:4 97:22 98:11 99:5,14 105:5,6,7 105:7 107:12 108:3 110:22 116:23 118:5,18,23 121:3,16 122:22 123:21 125:8 127:16 128:20 130:7 131:5 132:14 133:21 140:18 146:9 flawed 92:15 flooded 41:13 flooding 128:12 floods 57:20 flora 57:20 flores 2:20 67:18 69:25,25 70:8 70:11,13,14 flow 11:22 focus 82:9 142:18 focused 148:21 folks 140:4 follow 75:8 115:25 128:10 134:21 following 113:16 115:7 follows 125:11 folly 60:25 food 103:14 121:14 122:21,24 foods 61:19 96:2 fooled 15:24 foolhardy 143:16 foolish 138:12 football 75:3 force 50:11 forces 147:3</p>	<p>foregoing 156:3,6 forever 18:5 forget 137:24 formality 31:21 formed 86:18 former 78:16 80:24 105:18 153:19 formerly 130:3 formidable 42:6 forms 13:13 146:16 fortistar 70:24 76:13 111:20 fortune 142:14 forty 16:7,10 30:15 32:16 45:6 49:24 64:10 71:4 72:18 76:17 85:18 136:24 fortyfive 11:3 128:11 fortyfour 33:24 fortyone 14:19 fortyseven 94:11 fortythree 14:23 forum 144:23 forward 31:8,17 72:25 138:22 forwarded 12:20 fossil 41:4 42:18 51:5 52:14,16 53:7,10 55:20 69:4,20 87:15 88:16 90:19 93:12 94:4 99:8 103:21,24 104:2 110:23 111:8 112:7 113:2 124:8,12,24 130:13 131:7 132:3,20 140:6 140:21 153:15 fought 53:12,12 117:12 124:13 found 37:13 45:4 62:24 63:7 71:3 76:16 founding 105:19 foundry 35:20 145:23,24 147:25 four 4:6,11 5:9,9,9,10,11,11,15 10:25 12:12 16:10 17:22 25:20 26:21 29:24 33:6,16 34:4 36:20 37:22 38:4 40:20 43:4 44:25 57:7 58:18 60:6 70:17 70:22 72:12 85:5,5 91:7 103:6 108:2 110:23 114:7 117:9 121:3 122:10 123:17 127:22,24 128:10,13 131:5 140:18 145:18 frack 67:6 117:12 fracked 64:15,17 65:11 66:14 67:3 68:25 74:5,15 88:11,15 93:11 103:18,23 104:6,9,15,24 115:17 116:25 117:14 120:6</p>
---	--

fracking 19:11 95:10 104:4
fraction 45:2 122:12
framework 43:8
frankly 136:14
fraud 79:25
free 16:6 88:4
freely 96:3
freezing 115:12,13
frequent 54:11
frequently 125:21
fresh 41:11
freshwater 15:15
fridge 36:25
friendly 55:14
friends 54:21 123:19
front 73:12 128:12
frost 24:22
froze 24:22
fruit 58:12 83:4
fuel 10:19 51:5 52:16 53:7,10
62:5 66:15 69:20 90:19 93:12
94:4 99:8 103:21,24 111:8
113:2 126:20 130:13 131:13
132:20 140:6,21 153:16
fueled 110:23
fueling 66:17 132:3
fuels 41:4 42:18 52:14 55:20
69:4 87:15 88:17 104:2 112:7
124:8,12,24
full 11:15,17 18:2 39:10,19
51:8 106:22 116:3 117:23
124:24
fulltime 146:7
fully 83:23 118:7
fund 75:18
fundamental 20:19
fundamentally 14:11 20:23
funding 69:11
further 12:7 29:6 42:24 79:15
92:2 94:22 155:5
furthermore 98:21 122:14
future 22:18 23:19 28:8 52:24
58:20 69:14 71:16 72:20 73:14
82:23 84:6 116:7 134:7 143:9
144:8,21

G

g 7:24 57:17 58:16 76:14 78:11
78:11
gains 42:21

gallons 15:10 16:14,17 111:24
gambling 143:12
game 31:16 60:12
garden 108:5
gary 43:16,19
gas 10:18 16:14 20:6,13 30:10
32:22 34:18 39:4 41:20 45:3,7
47:7,17 48:3,20 57:18 60:11
64:7,11,15,17 65:11 66:2,12
66:15,19 67:3,6,10 68:25 71:6
74:5,16,25 75:23 76:14,19
88:11,15 92:3,12,18,23 93:11
95:2,5 97:23 102:2,9 103:18
103:23 104:6,8,15,24 106:16
115:17 116:25 117:14,15
118:15 119:25 120:4,6 122:13
126:19 128:23 129:11 130:20
130:24 131:7,10 132:25 134:3
136:13,15 153:14 154:17
gases 30:15 37:8 40:25 49:24
98:2,8 111:5 120:8 133:3
136:21
gasoline 16:17 111:24
geenidge 104:14
gelf 77:8
general 41:22 62:16 116:12
generate 41:5 61:24 64:15 73:2
99:5 137:23 150:4
generated 31:2 41:20 44:14
68:21 76:25 98:9 146:6
generates 47:7 73:16 98:17
121:24
generatin 7:23
generating 7:22,23 11:14 13:4
13:11 14:11 40:21 41:21 42:15
42:18,25 46:24 47:25 48:4
75:20 76:15 106:17 118:12
130:8 131:4 132:15 150:2
154:3
generation 1:1,7 2:1 3:1 4:1,7
4:12 5:1,14 6:1 7:1 8:1 9:1
10:1,23,24 11:1,13 12:1 13:1
14:1 15:1 16:1 17:1 18:1,2
19:1,14 20:1,16 21:1 22:1
23:1 24:1 25:1 26:1,22 27:1,9
28:1,25 29:1 30:1,24 31:1
32:1 33:1,11 34:1,12 35:1
36:1,6,7,9,12 37:1 38:1 39:1
40:1 41:1 42:1 43:1 44:1 45:1
46:1 47:1 48:1 49:1 50:1 51:1

52:1 53:1 54:1 55:1 56:1 57:1	115:5,6 120:5,22 127:12
58:1 59:1 60:1 61:1 62:1 63:1	129:13 136:21 137:16,17
64:1 65:1,11 66:1 67:1 68:1	150:14
69:1 70:1 71:1 72:1 73:1 74:1	goal 30:22 33:9,12 42:10 49:25
75:1 76:1 77:1 78:1 79:1 80:1	66:25 88:23 124:7
81:1 82:1 83:1 84:1,4 85:1,8	goals 13:6 15:25 20:24 23:16
86:1,14 87:1,8 88:1 89:1 90:1	30:9,11,14,17 31:4 42:7,13,19
91:1 92:1 93:1 94:1 95:1 96:1	42:23 46:25 48:19 49:3 53:8
97:1 98:1 99:1 100:1 101:1	60:21 62:12 64:10 67:12 76:7
102:1,25 103:1 104:1 105:1,17	102:18 112:10 114:14 130:15
105:23,24 106:1 107:1 108:1	131:25
109:1 110:1 111:1 112:1 113:1	goes 95:17
114:1 115:1 116:1,8 117:1,4	going 25:22 26:19,25 29:16
118:1 119:1,18,24 120:1 121:1	47:18 50:25 52:15 54:4 72:19
122:1 123:1 124:1,5 125:1	72:22 76:25 80:12,15 93:18
126:1 127:1 128:1,21 129:1	94:2 97:4 120:18,21 122:19
130:1 131:1 132:1 133:1 134:1	123:18 126:3 129:13 130:10,13
135:1 136:1 137:1 138:1 139:1	138:5,20 148:8,9 154:8
140:1 141:1 142:1 143:1 144:1	gold 108:9
145:1 146:1 147:1 148:1 149:1	good 20:21 40:8 46:12 60:12
149:3 150:1 151:1 152:1 153:1	61:25 65:21 69:21 73:7 91:24
154:1 155:1 156:1	97:18 103:12 113:21 119:19
generations 23:19 28:9 33:20	126:20 129:12,24 133:17
138:22 144:21	134:15 142:13 149:19 151:7
generic 43:9	goods 20:3 147:20
geneva 17:9,11,13 18:9,11 83:13	google 14:3
121:11 125:6 151:3	gov 7:24 80:21
gentle 44:16	government 20:20 82:13,15 88:7
george 111:14	134:18
geothermal 78:16,19,20 81:2	governmental 10:13
gerri 3:7 107:16 113:6,8,14	governments 94:17
getting 16:11 143:2	governor 23:15 30:4 32:2 36:3
gina 26:16	38:6,10,14 45:25 52:18,19
give 26:19 29:18 32:3 39:6	53:5,23 55:22 61:20 63:10
114:11	69:12 70:15 77:8 82:5,14
given 5:17,23 20:19 39:8,21	91:10 92:8,13 98:4 101:5
giving 150:5 151:6	102:23 103:18,22,25 104:7,13
glad 59:24 128:9	104:17,21 105:4,8,10 107:11
glen 22:10	109:10 112:24 121:15 122:21
global 14:2 30:20 31:6,9 64:18	125:7 140:16 141:21
102:12,19 127:18,18 133:22	gradually 108:25
146:15 147:7,23 148:2	graduated 145:16
globally 44:24 47:11 101:7	grain 49:25
122:10	grandchildren 57:25 58:3,6 72:2
globe 94:3 147:17	127:17,18 144:20
go 9:22 24:2 27:6 30:3 34:9	grandchildrens 71:25
41:21 46:11,12 47:18 54:4	granddaughters 134:7
56:15,17 57:5 60:2 61:8 72:25	grandfathered 101:23
78:7 81:8,19 84:23 86:25	grandmother 71:24
96:19 97:2,25 101:25 113:12	

grant 74:4 149:24
granted 65:24 73:15 74:5 149:23
 154:15
granting 132:17
grants 19:24 53:16 85:22
grapes 44:21 120:23 122:7
grappling 47:23
grass 58:13 73:12 127:25
grateful 19:4
gravity 30:18
gre 7:22
great 30:5,18 34:22 68:8 70:13
 83:15 89:11 101:3 119:11
 125:13 127:17 138:25
greater 22:25 23:2 60:9 75:3
 119:12 133:25 149:19
greatest 40:23
greatly 56:19 60:10 112:8
greed 141:23
green 14:10 15:23 30:10 75:17
 110:20 116:22 119:16,25
greener 95:20
greenhouse 20:6,13 30:10,15
 37:8 40:25 45:7 47:7,17 48:3
 48:20 49:24 60:11 64:7,11
 66:12,19 67:10 71:6 74:24
 75:23 76:11,14,19 92:3,23
 95:4 98:2,8 102:9 111:5
 118:15 119:25 126:19 128:23
 130:20,24 131:9 132:25 133:3
 134:3
greenidge 1:1,7 2:1 3:1 4:1,7,8
 4:12 5:1,14 6:1 7:1,22,22,25
 8:1 9:1 10:1,11,15,23 11:1,3
 11:6,17,23 12:1,9,16 13:1,4
 13:11 14:1,10,18 15:1,21 16:1
 16:8,23 17:1 18:1,2 19:1,14
 20:1,8,16 21:1 22:1 23:1,23
 24:1,3,6,14 25:1,4 26:1,20,22
 26:22 27:1,9,18 28:1,11,13,25
 29:1 30:1,6 31:1,7,12,16 32:1
 32:2,13,15,17,20,25 33:1,5,20
 33:22 34:1,3,11,15 35:1,12,14
 35:17 36:1,5,14 37:1 38:1,16
 38:25 39:1,9,21,22 40:1,20
 41:1 42:1,15,17,25 43:1,6
 44:1,22 45:1,10,16,17,19,24
 46:1,24 47:1,3,18,24 48:1,4
 49:1,2,12 50:1,8,13,22 51:1
 52:1,21 53:1,9,10,16 54:1,10
 54:20 55:1,6,23 56:1 57:1,8
 58:1,19 59:1 60:1,7 61:1,22
 61:22 62:1,23 63:1,11 64:1,6
 65:1,7,9,24 66:1,8,25 67:1
 68:1,15 69:1 70:1 71:1,8,17
 72:1 73:1,14,19,22,25 74:1,9
 74:12,14,15,22 75:1,20 76:1
 76:12,23,24 77:1,4,9 78:1,10
 78:25 79:1,16 80:1,11,20 81:1
 82:1 83:1,16,18,23 84:1,3,8
 85:1,4,8,13,20 86:1,2,8,9,14
 86:17 87:1,8 88:1,15,17,24
 89:1 90:1 91:1,14 92:1 93:1
 94:1 95:1,6,14 96:1 97:1,23
 98:1,7,18,21,22,24 99:1,4,9
 99:14 100:1 101:1,25 102:1,4
 102:13,22,25 103:1 104:1,3
 105:1,23 106:1,5,7,19,21,24
 107:1,8 108:1,2,10 109:1,7
 110:1,24 111:1 112:1 113:1
 114:1 115:1 116:1,23 117:1,6
 117:13 118:1,11,14,19,23
 119:1,16 120:1,2,10 121:1,16
 122:1,14 123:1,22 124:1,11
 125:1,25 126:1 127:1 128:1,20
 129:1,10 130:1,7 131:1,4
 132:1,5,14 133:1,9 134:1,8,25
 135:1 136:1 137:1 138:1 139:1
 140:1,25 141:1,8,15,22 142:1
 143:1 144:1 145:1 146:1 147:1
 148:1,2,4,16,20,24 149:1,4,14
 149:16,18,22 150:1,25 151:1,4
 152:1 153:1,16,25 154:1,3,6
 154:13,14 155:1 156:1
greenidges 11:20 22:24 36:4
 39:18 44:18 48:10,13,16 57:15
 68:10,24 69:17 70:16,21 71:12
 78:15 79:10 80:22 87:14 91:7
 91:22 97:22 98:10 101:6
 103:19 107:5 110:22 113:18,20
 113:22,25 114:8,15 118:16
 121:16 122:5,9,22,23 125:7
 130:23 133:20 135:4 140:18
 149:8 154:16,18
greenwashing 65:8 68:24
grew 34:12 138:23
grid 10:12 13:9 14:13 19:25
 20:7 33:5 41:22 42:5 77:2
 78:18 126:10 148:20 150:2
 154:8

griffin 97:7 100:13,13
ground 104:16 115:5
grounds 126:11
group 40:12 91:6
grow 31:8 48:3 95:13
growing 11:25 35:8 74:11 87:20
 91:20 102:7 107:3 146:9,15
 147:23
grown 85:17
guardian 103:16 108:5
guardians 18:14
guess 63:25
guidance 69:2
guide 82:10
gun 136:19
guys 24:10

H

h 57:17 58:16 76:14 78:11,24
habitable 57:22 92:24
habitat 18:7 85:24
half 21:25 47:14
halt 103:23 113:3
halted 33:17
hammondsport 38:22
hand 6:25 8:6 9:5,7,9 25:12
 30:19 35:19 43:22 46:7 59:5
 103:3 139:16 151:15 152:2,4,9
 152:10,17,19,20
handmade 140:11
hang 80:23
hanson 89:13
happen 53:20 88:4 91:9 144:8
happened 62:22 129:11
happening 35:14 52:24 53:21
happens 39:22 93:7,8 137:24
happy 24:10
hard 53:13 93:19 117:12,16
harder 112:16
harm 19:8 74:14,25 75:4 86:9
 122:23
harmed 111:16
harmful 18:8 41:2 44:19,20
 111:10 122:6 135:20 143:2
harming 86:9 123:24
harms 21:11 44:17 92:22 108:21
harper 2:12 9:13 10:5 32:7,7,8
 32:11,12
harvests 17:23
hash 79:6

hazlitt 137:3,3
head 147:10
heads 56:3
health 17:16 18:23 25:6 27:14
 40:16 41:7 44:17,20 45:22
 60:17 68:19 76:2 88:12 92:19
 95:25 98:20 111:12 122:3,6
 132:22 142:2
healthier 124:14
healthy 27:8,16 28:24 46:21
hear 7:7 8:5 9:25 12:23 15:17
 17:3 19:5 26:10 29:13 32:8
 40:6 51:24 52:11 56:11 59:16
 61:11 63:20 65:18 68:5 70:11
 72:7 73:8 77:21 83:8 84:19
 86:24 89:8 96:12,14 97:16
 100:19,20 103:7 105:14 107:20
 109:25 110:7,9,15 114:19,20
 119:9 121:8 123:13 127:19
 133:15 137:10 139:20,24 142:7
 143:20 145:10 151:15 152:24
heard 24:2 58:4 99:24 104:10
 108:16 140:7
hearing 1:5 4:2,5,24 5:7,13,25
 22:23 40:10 52:5 54:8 78:9
 82:24 96:9,21 101:4 110:5
 135:5 136:5 140:3 155:2 156:8
hearings 4:22 31:21 79:13 82:19
heart 54:10 121:18
heat 66:19 78:14 79:5 137:22
heated 18:6 23:3
heating 61:24 74:18 112:5
 133:22
heavily 109:2
hector 22:2,12 107:24 120:22
 140:9,11
heinous 116:8
held 4:24 81:20 87:17
hell 9:4 74:21
hello 21:17 38:19,20 57:2 59:13
 59:16 65:16,17 68:5 70:7 72:6
 72:6 77:20 84:16,19 93:5
 100:2,25 105:14 110:2 113:7
 127:4,7,8 129:4,5 132:9,10
 137:5,6,8 150:10
help 6:18 25:2 60:9 84:5 119:18
 144:19
helped 85:15 107:6 130:4
helpful 44:19 61:4 155:3

helping 22:6 114:10	honestly 68:16
hereof 156:5	honor 34:10 73:10
heres 105:5 134:9	hope 123:19
hereto 156:5	hoped 50:10 106:18
hereunto 156:9	hopefully 82:21
heritage 133:6 142:23	hopes 48:5 103:20 140:14
hes 9:4 43:21 96:23,24	horseback 125:13
hi 9:19 12:23 21:20 44:6 51:24	horses 127:24
54:6 57:3 61:9,10 70:13 72:9	hospital 72:14 85:22
81:7 83:10 84:17 86:24 89:8	hosting 140:3 144:23
97:15 100:21 103:5,7,10,12	hot 75:5
110:19 114:19 116:16,17 121:8	hotline 105:4
123:13,15 129:4,6,24 139:24	hotspots 101:18
150:13 151:19	hour 114:2
high 11:4 31:2 33:24 48:17 53:3	hours 13:25 36:18,20,24,25
55:16 64:22 66:3,14 84:5	47:10 117:9 148:13
102:14 107:2 128:7	house 128:11,12
higher 120:15 144:10	household 88:22
highest 79:6 85:6 147:9	households 109:6
highly 13:9 33:24 79:18 146:6	houses 13:12 90:21
hiking 125:13	howard 45:13 76:20
hisk 77:12,18,18	hufnagel 139:10 151:11,11
historic 125:12	huge 37:9 57:20 67:5,9 88:3
historical 58:9 102:11	89:20 113:18
historically 106:10	hum 44:15
history 94:14	human 44:17,20 45:22 60:16
hit 120:22	98:19 122:3,6,10
hits 69:10	humanity 85:24
hobart 121:13	hundred 11:7,15,22 12:5,11
hochul 23:15 30:5 32:2 36:3	13:24 14:13,15,19,19,22,23,24
38:10,15 39:5,25 45:25 52:18	15:2,3,5,7,13 16:9,10,11,11
52:20 53:6,23 55:22 61:20	16:15 20:5 27:11 33:6 34:22
63:10 69:12 70:15 75:18 77:8	36:16,19,20,24,25 37:5 38:3,4
82:14 91:10 92:13 98:4 101:5	42:6,11 47:9 48:7,22 69:22
102:23 103:18,22 104:7,13,17	124:5 131:5 132:16 135:22
104:21 105:4,8,10 107:11,25	147:17 149:11
109:11 112:24 121:15 122:21	hundreds 35:2,7,9 74:24
125:7 140:16 141:21	hundredths 127:23
hochuls 103:25	hundredword 94:12
hog 102:21	hungry 50:2
hogan 2:3 7:15,15,19	hunting 34:15
hold 9:18,19 87:21 139:20	hurricane 41:10 52:25 72:15
holding 49:10	104:21
holdings 79:10 81:11	hurricanes 90:10
holistically 80:4	hurt 94:2
home 17:19 54:16 114:25	hydraulic 135:17
homepage 155:7	hydrocarbon 126:20
homes 10:13	hydrogen 126:20
homesteading 61:19	hydrology 135:17

hyperbolic 57:14	impacted 136:23
I	impacting 42:2 91:20
iceberg 53:17	impacts 11:12,14 19:21 39:6 41:6 42:2 44:12 45:19 47:4 71:22 87:11 91:19 117:11 124:21
icon 152:9	implants 15:15
id 24:13 25:3 28:16 35:19 56:13 60:22 64:14,19 104:24 116:5 148:14	implementation 69:7
ida 41:10 53:2 72:15,19 104:22	implications 124:24
idaho 127:22	implore 31:21 122:21
idea 62:4,7	importance 128:18 142:23
identify 22:14	important 24:12,24 25:2 33:22 33:25 39:23 40:14 49:3 60:19 78:9 91:13 103:20 104:18 105:25 142:17 143:7 144:2
ii 1:11	impossible 130:19
ill 17:9 56:8 59:7 67:15 77:11 77:17 81:24 88:2 97:2 107:14 110:10 115:22,25,25 139:5 152:10	improve 18:20 62:15
illinois 128:4,9	improved 32:23
im 9:3,10,17 13:2,2 17:3,10 21:22 23:23 26:13,19,25 27:8 27:13 28:14,17 29:16,20 31:18 32:14 34:11 35:20 38:23 40:10 44:8,9 46:12,16 49:8 52:2,6 52:13,16,16 54:4,9 56:16 57:14 59:24 61:18 63:9,22 64:5 65:20,21,22 68:13 70:9 70:15 71:24 73:11 77:25 78:2 80:6 81:7 82:5,8 83:12 86:17 86:20 87:2 89:11,12,21 91:4 93:6 94:8 96:9,11 97:20 101:4 102:25 103:13 105:17,18,21 107:23,24 110:4,8,12,12,20,21 111:14 113:14 114:23,23,23,24 115:23 116:6,12,20 119:12 121:12 122:18,18 123:17 127:10,13,13,14 128:9 129:7 129:13 135:11,15 137:11,21 140:9,16 145:15,22 146:12 147:25 148:7,9 150:23 152:6 152:19,22	inappropriate 39:22 57:9
imaginary 60:13 135:2	inch 127:23
imagine 87:10	inches 127:24 128:6,11,13,15
imbalance 108:12	inclination 118:3
immediately 69:18 94:25 120:20	include 36:21 66:13 81:17
impact 12:18 17:16 18:5 36:11 36:13 39:10 43:9 51:9 60:15 65:5 74:7 75:24 76:10 82:2 92:18 106:4 108:25 114:8 117:24 123:23 135:20 143:3 145:21	includes 22:2
	including 4:20 17:18 22:21 27:20 42:7 57:9 66:14 111:5 145:25 146:24 149:2
	income 142:20 147:13
	incompatible 19:15 42:22
	inconsistent 126:13
	incorporated 12:8 39:14
	incorrectly 8:11
	increase 12:6 15:9 48:11 60:10 64:8 72:21 78:11 84:3 92:3,5 92:24 93:12 94:4 112:8 126:18
	increased 12:5 35:6 47:25 50:19 67:9 85:14 92:18 93:11 120:25 135:21
	increases 33:15 64:17 75:23 76:11 85:16
	increasing 15:14 47:17 55:11 131:4 133:4,4
	incumbent 102:23
	index 88:20
	indirectly 12:11
	industrial 19:15,22 125:16 141:24
	industries 88:6 102:17 111:14 126:8

industry 17:20 27:23 28:19
 30:23 67:7 80:23 86:10 88:2
 90:21 95:15,19 111:17 112:12
 130:11 131:22 141:16,23 143:8
 143:9 146:3,16 147:10,23
 153:21
inequity 108:12
infancy 147:23
inflation 147:13
influence 82:25
information 6:2,5 17:10 22:17
 28:3 108:3 149:15 155:5
informed 26:24
infrastructure 36:9,11,23 37:12
 38:7 41:7 69:20 103:24 145:25
inherent 89:18 131:16 132:5
initial 115:6,7
initiate 140:20
initiative 82:16 97:21
input 5:5 115:20
insanity 90:12
insecurity 106:3
insider 81:22
installation 115:13
instance 93:16
instituted 79:23
intake 75:2
intakes 136:3
intangible 60:14
integral 36:8,10
integrated 36:6
intended 116:2
intends 50:23 154:19
intense 74:11 78:14 114:13
intensification 41:5
intensive 16:4 41:18 42:9 71:23
 87:15,19 91:19 109:4 112:23
 117:21
intent 81:14
inter 22:12
interest 20:12 40:11 41:22
 46:18 62:24 63:5
interested 69:14
interesting 138:15
interests 17:14 40:22 126:22
interlaken 26:14,18
intermittent 148:18
intermittently 14:12 49:20
intermunicipal 105:21

international 83:12
internet 5:25 6:17,22 147:24
 152:5
intrinsic 94:20
invaluable 123:24
invest 15:21
investment 21:2,4 34:22 55:15
 55:18 81:11 106:5,15
investments 12:10
investors 20:13 27:6 41:25
 47:19 48:5 71:20 74:13 91:18
 94:18 108:16 112:14,15 117:10
 123:2 147:16
invite 54:21
involve 62:5,6
involved 38:25 108:13
iris 77:12,17,18
irreversible 74:20 113:3
irwin 2:12 34:6,6,8,10,11
island 79:5
islander 54:13
isle 18:9
isnt 52:23 53:10 88:25
isolated 125:11
issue 4:17 9:18 10:6 25:2 30:19
 47:24 75:19 84:8 88:11 93:15
 144:3
issued 11:18 49:14 82:14 106:23
 118:5
issues 5:6,8 38:25 40:14 68:12
 75:7 82:4 115:24 135:17,18,21
 136:2
ithaca 61:17 70:15 80:6 123:18
 128:13 133:18
iv 1:11
ive 32:24 34:15 68:12 94:10,13
 104:9,9,10,10,13 111:15
 142:15 145:17 147:25 148:12
ivo 2:18

J

j 4:3 9:2,6,12,23 10:10 12:21
 12:24 16:24 17:5 21:13,18,20
 23:20 25:10,17,24 26:11 28:14
 29:5,10,15,19 32:5,10 34:5,9
 35:22 38:17,20 40:4,7 43:15
 43:18,23 44:7 46:4,11,13 49:5
 51:13,25 52:4,8,10 54:3 55:25
 56:11,16,21 57:3,5 58:24
 59:17 60:2 61:7,10,12 63:14

63:22 64:3 65:13,17,19 67:15
 67:25 68:7 69:24 72:4,8 73:5
 73:9 75:11 77:11,22 78:4,6
 80:3,10,12,15,18 81:5,8 83:6
 83:9 84:10,17,21,23 86:20,25
 89:3,9 90:24 93:3 94:6 96:5,8
 96:13,17,20,25 97:12,17 99:16
 99:23 100:9,21,24 103:2,6,8
 103:10 105:12,15 107:14,21
 109:16 110:2,4,8,12,17 113:5
 113:7,10,12 114:17,21 116:14
 116:17 117:5 118:24 119:10
 121:6,9 123:4,14 125:3 126:24
 127:8,12 129:2,5,18 132:7,10
 133:13,16 135:6 137:2,6,11,15
 137:17 139:5,18,22,25 142:3,8
 143:18,21 144:25 145:12 148:7
 148:11,15 150:7,11,14,20
 151:10,17,21 152:13,15,23
 153:2 154:22
james 3:5 77:14 89:4 97:7
 105:13,17 139:9 151:11,11
jamie 80:2 139:6,11,12,14,15,16
 139:20 151:15,19
janet 1:20 156:3,12
january 14:21
jaw 54:14
jeff 56:6,23,23 63:17 64:4
jefff 2:19
jen 3:12 123:7 129:22,25
jess 2:25 77:14 86:22 87:2
jesse 3:14 139:7,23
jessie 140:8
job 80:7 108:24
jobs 11:4 12:11 55:16 61:21
 69:21 84:5 90:6,7,8,9 93:25
 95:7,9 98:18 106:13 107:2
 121:25 134:15 138:18 143:9
 146:7 151:5
joe 2:5
johanna 2:21 67:19 73:6,11
john 3:3,17 96:6 152:20,22
 153:3
join 103:15 112:15
joined 22:12 152:5
joining 154:23
joint 82:16
joke 95:16
journalist 94:9

judge 8:24
judgments 108:4
julie 89:13
junko 140:8
justice 46:17,17,22 103:15
justification 95:12
justifies 79:15
jxk 77:15 89:5

K

k 47:15
kane 97:6 100:5,5,9
karen 3:6 107:16,19,22
katchmar 2:3 5:3 8:24 9:3,10,15
 9:24 10:2 43:21 59:12,14,22
 67:24 70:4,10,12 96:23 99:22
 100:7 127:5 139:14,19 150:13
 150:15,18 151:14,18 152:11,14
 152:19
kathy 30:4 80:21
katzman 2:22 56:7 59:11 67:18
 67:22,22,25 77:20,21,23,24
 78:5,8 80:10,11,14,17,19
keegan 2:21 67:19 72:5,6,9,10
keep 6:19 53:9
keeps 35:8
kelles 2:8 8:16,17,19 12:22,23
 12:25 16:25 25:20 80:7
ken 2:9 8:21 32:4
kent 16:25
kenya 151:2
keuka 86:13 115:2 125:8,9
key 32:18 98:15 101:19
kicked 137:9
kicking 114:5
kidding 29:20
killer 80:7
kilowatt 36:20,24,25 37:9
kim 61:14
kimberly 2:17 56:5,8 59:6 61:8
kind 20:17 24:4 61:4 72:3
 130:14 143:14
kings 108:8
kingston 87:3
knew 97:24,25
know 8:7 24:25 25:21 43:20
 51:20 52:21 53:10 54:5 58:2
 59:4 63:2,4,5 68:4,16 70:2,6
 70:18 72:17 81:21 83:18 90:2
 95:5 119:8,17 120:2,3,21,24

123:11 133:21 134:23 137:22
137:23 138:6 140:5 143:7
144:3 151:12 153:20

knows 31:19

kristina 137:3,3

krys 3:15 139:7 142:6,10

kutcher 97:6 99:20,20,23 100:3

L

l 4:3,7,7 9:2,6,12,23 10:10,24
10:24 12:21,24 15:25 16:24
17:5 18:2,2 20:17,17 21:13,18
21:20 23:20 25:10,17,24 26:11
26:22,22 27:9,9 28:14,25,25
29:5,10,15,19 32:5,10 34:5,9
34:12,12 35:22 38:5,14,17,20
39:13,17 40:4,7 42:8,23 43:11
43:15,18,23 44:7 45:4,13,23
46:4,11,13 48:20 49:5 51:13
51:25 52:4,8,10 54:3 55:25
56:11,16,21 57:3,5,10 58:24
59:17 60:2,22 61:7,10,12
63:14,22 64:3,7,7,10,14 65:9
65:9,13,17,19 67:15,25 68:7
69:7,24 71:3 72:4,8 73:5,9
75:11 76:8,16 77:7,11,22 78:4
78:6,12,21 80:10,12,15,18
81:5,8 83:6,9 84:10,17,21,23
86:20,25 87:7 88:25 89:3,9
90:24 93:3 94:6 95:16 96:5,8
96:13,17,20,25 97:12,17 98:7
99:13,16,23 100:9,21,24
102:18 103:2,6,8,10 105:12,15
105:23,23 107:14,21 109:16
110:2,4,8,12,17 111:3 112:11
113:5,7,10,12 114:17,21
116:14,17 118:11,14,21,24
119:10 121:6,9 123:4,14 125:3
126:24 127:8,12 128:21 129:2
129:5,18 132:7,10 133:3,13,16
135:6 137:2,6,11,15,17 139:5
139:18,22,25 142:3,8 143:18
143:21 144:25 145:12 148:7,11
148:15 150:7,11,14,20 151:10
151:17,21 152:13,15,23 153:2
154:22

labor 151:5

lack 83:4 115:12 149:14

laden 133:7

lagrangeville 60:5

lake 15:10 17:15,16,18 18:14
21:24 22:3,7,16,19 23:4,9
27:3,12 28:4 34:12,14,15
38:23 54:10,12 60:15 61:25
73:21 75:4,6 80:25 86:9,13,15
96:2 103:16 105:18 108:5
111:9,14,16 120:11 123:23
125:9,10 126:4 135:23 136:4
140:11,25 142:24 143:24 144:4
144:16,20 153:5,7,17,20

lakes 4:23 17:18 18:10,14 19:7
19:17 21:7 27:20 29:22 54:18
54:25 55:22 73:20 76:5 92:22
98:14 101:4 102:16 106:6
109:2 114:25 115:2 119:13
121:19 125:21 133:19 134:23
137:21 138:5,6 140:10,15
141:9,13 144:22 145:15 151:8
153:24

lakins 22:10

land 18:22 19:9 28:6,20 141:7
141:19 143:25

landowner 143:24

lapping 44:16

lara 1:16

large 13:12 81:17 83:22 120:11
134:11

largely 71:18 91:16 117:7

largest 13:22 17:14 23:9 78:17
80:2 92:21 102:5 106:10 109:7
121:17

larry 3:11 123:6 125:4,5

lasts 74:23

late 69:23

lately 83:16

latest 134:4

laura 97:5,8,9 139:8 145:4,5

lausell 2:10 21:15,15,17,18,19
21:21,22

law 46:18 49:23 66:10 69:2
80:21 88:16,17 99:2 125:2
130:23 131:15 133:2

lawn 58:11 128:2

laws 40:3 51:11 57:9

lawsuit 79:15

lawyer 38:22

lead 34:16 135:3

leader 19:8 134:24 147:10

leaders 134:20

<p>leadership 12:18 13:5 23:17 30:5,8,18,22 31:4,14 46:25 55:13 62:11 66:11 67:11 69:19 70:20 93:17 103:20 118:10 119:23 124:15 130:5</p> <p>leading 49:23 93:14 124:19 147:22</p> <p>leads 74:16</p> <p>leak 117:14</p> <p>learn 138:20</p> <p>learned 39:2 68:15 87:14 95:9 126:7</p> <p>learning 108:21</p> <p>lease 130:12</p> <p>leaves 37:9</p> <p>leaving 34:24</p> <p>led 128:6</p> <p>legacy 78:19 81:4</p> <p>legal 4:19 75:18 103:25</p> <p>legislation 35:11,11</p> <p>legislative 13:2 21:24 82:19</p> <p>legislator 9:13 21:14,23 23:21 32:6,14 55:7 105:19</p> <p>legislators 82:18 87:6</p> <p>legislature 10:7,22 19:13 22:5 22:6 85:3,6,25</p> <p>legitimate 20:2</p> <p>length 75:3</p> <p>lens 118:9</p> <p>lessens 79:5</p> <p>letter 135:16</p> <p>level 18:6 32:25 35:10 131:23 143:11</p> <p>levels 10:21 41:3 44:13 48:21 58:16 92:19 102:11</p> <p>li 36:2</p> <p>lied 78:22</p> <p>life 22:20,20 27:24 57:13 111:11,18 123:25,25 127:15 130:12 133:23 141:2,6</p> <p>lifeblood 54:24</p> <p>lifelong 23:23</p> <p>light 38:5 67:13</p> <p>limit 6:12,15 25:16 98:10 118:17 120:8 130:25</p> <p>limitations 102:9</p> <p>limits 51:2</p> <p>lindsay 3:8 107:17 116:15,19</p> <p>line 6:21,25 7:25 8:2,7,8,22,23 9:13,16,24 17:2 21:16 26:8</p>	<p>29:12 32:7 33:18,18 34:7 35:24 43:19,20,25 44:2,4 51:15,18,20 54:5 56:22,24 58:15,25 59:4,9 63:16,18 67:22 68:2,3 70:2,5 72:23 84:12,15 86:22 96:9 97:9 99:22,24,25 100:3,7 109:18,19 109:23 119:7 120:23 123:10 129:20 139:16 150:9,12 151:12 151:19</p> <p>link 36:7</p> <p>linton 2:4 5:4</p> <p>list 87:20</p> <p>listening 73:3 148:13 154:24</p> <p>literally 112:18</p> <p>little 43:17 63:6,7 95:8 127:25 137:22 138:18 146:5</p> <p>livable 73:13</p> <p>live 27:5,6,7 28:6 32:12 36:2 54:8 57:24 58:13 60:5 61:15 68:9 72:10 73:11 83:11 87:3 89:13 91:3 93:6 116:20 123:19 123:20 126:7 129:25 132:12,16 133:18 134:23 137:19 142:10 144:5</p> <p>lived 54:17 107:23 142:11</p> <p>livelihood 141:25</p> <p>livelihoods 17:24 28:10 98:20 122:3</p> <p>lives 28:13 54:23 62:15 90:9,11 104:23</p> <p>living 58:22 74:21 113:15 116:11 143:25 151:7</p> <p>liz 46:15</p> <p>llc 1:1,7 2:1 3:1 4:1 5:1 6:1 7:1 8:1 9:1 10:1 11:1 12:1 13:1 14:1 15:1 16:1 17:1 18:1 19:1 20:1 21:1 22:1 23:1 24:1 25:1 26:1 27:1 28:1 29:1 30:1 31:1 32:1 33:1 34:1 35:1 36:1 37:1 38:1 39:1 40:1 41:1 42:1 43:1 44:1 45:1 46:1 47:1 48:1 49:1 50:1 51:1 52:1 53:1 54:1 55:1 56:1 57:1 58:1 59:1 60:1 61:1 62:1 63:1 64:1 65:1 66:1 67:1 68:1 69:1 70:1 71:1 72:1 73:1 74:1 75:1 76:1 77:1 78:1 79:1 80:1 81:1 82:1 83:1 84:1 85:1 86:1 87:1 88:1 89:1 90:1 91:1 92:1 93:1 94:1 95:1 96:1</p>
--	--

97:1 98:1 99:1 100:1 101:1
 102:1 103:1 104:1 105:1 106:1
 107:1 108:1 109:1 110:1 111:1
 112:1 113:1 114:1 115:1 116:1
 117:1 118:1 119:1 120:1 121:1
 122:1 123:1 124:1 125:1 126:1
 127:1 128:1 129:1 130:1 131:1
 132:1 133:1 134:1 135:1 136:1
 137:1 138:1 139:1 140:1 141:1
 142:1 143:1 144:1 145:1 146:1
 147:1 148:1 149:1 150:1 151:1
 152:1 153:1 154:1 155:1 156:1
load 154:5
lobbied 74:3
lobbying 81:22
local 12:4 16:12 18:6 22:21
 25:6 33:15,25 34:2 35:6,8,9
 55:15 61:19 83:17 90:6,7 93:6
 94:17 96:2 105:25 107:3
 111:13 126:21 133:11 141:5
 142:12 150:25 151:2,2,6,6
locally 33:15
located 4:8 32:16 85:4 120:10
locke 139:8 145:2,2
lofty 30:9
logan 3:2 46:5,5 93:4,5,6
logo 18:10
long 28:20 53:12 54:13 82:25
 87:20 95:8
longer 20:9,10,18 71:17 91:14
 117:6 121:4
longtime 94:9
look 36:14 62:21 73:18 82:7
 120:3,4 143:7
looking 37:3 128:5 131:3 135:15
looks 69:19 75:15 77:18 103:3
 109:21
loop 23:7
loophole 63:6 118:4 124:11
lose 27:7,7
loss 138:19
losses 108:10
lost 90:11 128:13
lot 61:23 73:2 81:21 82:4 95:5
 96:21 127:20 137:20 140:6,13
 140:14 142:15
lots 26:23
louder 110:6
loudly 7:5 95:23

lousy 94:19
love 56:13 133:19 136:11 140:14
loved 54:14,15
low 47:21 110:3
lower 25:12 95:3 142:20
lowest 147:12
loyalty 83:17
lucky 112:14

M

m 1:14,14 4:2 155:11
machine 36:21
machinery 125:18
machines 36:8 37:3
magazine 108:4
magnificent 46:19
magnitude 13:17
maher 3:16 150:8,8,10,11,12,17
 150:19,21
mail 29:7
mailed 5:21
mailing 7:8,11
main 108:11 146:14
maintain 67:6
major 64:18,18 76:9 77:25
 108:24 130:8 132:2
majority 35:10 86:4
making 14:8 37:15 64:8 140:7
 153:17
management 7:14,18 32:25 66:7
 66:25 79:18
managements 66:8
manager 83:12 150:23
mandate 39:19 78:25
mandates 93:18
maneuvers 82:24
manhattan 93:6
manmade 67:12
manner 33:3
manufacturing 132:21
map 136:21 146:15 148:2
maple 58:11
march 81:21 120:13 127:23
marginal 19:24
maria 2:3 5:3
marie 139:7 142:4
marilyn 3:15 139:8 143:19,23
mark 2:22 67:19 75:14,16
market 14:9 67:6 106:19 147:2
marketed 143:4

married 54:19
martha 56:6,22,22 63:15,15
mary 2:18 3:12 56:6,25 123:6,7
 126:25,25 129:2,6
massive 37:7 93:24 94:2 111:4
 112:13 131:18,20 134:11
 153:15
material 122:9
matter 19:6 44:22 62:6 95:24
 115:6 122:4 133:8
matters 26:25
matthew 97:6 100:4,5,9
mattingly 51:14,14
maura 3:3 77:16 94:7,8
mcbride 2:4
mcintee 43:16,18,19
mcmanus 2:20 67:18 68:2,3,5,8,9
mean 90:9 99:25 151:2
meaningful 114:2
means 104:3
meet 30:22 60:21 64:9 87:15
 88:23 112:10 130:15
meeting 15:25 18:16 32:18 42:13
 49:2 54:15 76:7 81:20 155:9
meetings 32:24
meets 33:3
megawatts 11:16 14:15 15:2,5
 48:6,8 50:24 67:2 99:6,7
 131:5
mel 123:7
member 8:16,16,19,21 12:22
 16:25 44:10 45:13 73:12 76:21
 80:6,6 82:8 91:4 122:20
members 5:13 35:2 115:11
memory 128:5
men 150:25
mention 64:21 86:14 142:2
mentioned 53:24 65:7 138:2
mere 31:21 86:11
merit 82:22
meritorious 82:22
message 41:13 103:17 138:20
messed 72:17
met 104:11 132:19
meter 49:19 66:5 69:18 124:10
 131:8 150:3
methane 40:25 64:17 66:15,18,22
 67:3 74:16,17 78:11,13,23
 95:6 102:14 114:4 117:14
 136:13
method 13:20,24 37:20 131:17
methods 13:14 14:6
metzger 3:12 123:7 129:23,24,25
michael 2:10,23 21:15,15,22
 51:17,18 77:13 83:7,10
microphone 110:3
microprocessors 137:22
middle 52:22
migrations 57:21
mike 3:16 35:20 139:9 145:8,13
mile 125:9
miles 2:20 32:13 67:18 68:2,3,9
 132:16
milligan 144:5
million 12:13,13 15:10 16:7,17
 18:3 20:14 33:12 34:22 37:25
 44:25 45:8,12,12 71:7,9,10
 111:5 120:7 122:10 130:24
 147:15,17
millions 74:23 95:25 149:20
mills 125:16 138:25 139:3
mind 65:8 88:14
mindful 17:15
mine 49:19 50:2 60:9 68:25
 71:19 72:25 91:16 101:16,21
 102:4 110:24 111:21 112:22
 117:8
miners 13:21 50:24 57:16,24
 58:4 79:9
mines 102:6
minimum 37:14 42:24 53:4,5,6
mining 11:21 13:10,12 14:16
 15:18,20 16:2 23:5 30:23 36:6
 36:8,8 37:3 39:7,11,19,24
 40:21 41:18 42:9,18 43:9,13
 47:5,9,13,19 48:6,8 50:18
 51:8 53:19,25 58:21 60:25
 62:23 64:22 66:6 67:3 69:18
 74:10 75:22 78:14 79:7,9,23
 83:24 87:5 89:16,23 94:11
 97:25 101:8,10,15,18 102:13
 102:22 103:19 108:13,23 109:4
 112:12,23 114:13 117:19 118:7
 124:25 129:12 130:18 131:18
 138:7 140:23 144:7 146:3
 148:6,23 149:11 154:11
ministerial 49:11
minted 146:25
minute 9:17 25:16 35:16

minutes 6:13,16 25:19,21 29:17 56:4,15 128:11	muted 5:7 61:13 89:11 100:2,11
mispronounce 8:9	muting 70:5
missed 153:13	myth 58:9
mission 18:19,20 92:7	
missions 19:3	N
mistake 53:15 109:11	n 7:24
mistakes 138:21	nadbielny 75:12,12
mitigate 73:25	name 6:20,23 7:3 8:5,10,11 9:15 21:21 26:15 29:21 36:2 38:21 40:10 44:5,6 46:15 49:7 51:20 54:6 60:4 61:14 64:4 67:17 68:9 70:13 72:9 73:10 75:14 77:14,18 78:7 83:10 88:12 89:4,4,5 91:3 93:5 97:3,19 100:25 103:9,13 105:16 107:22 109:21 110:19 113:13 116:19 119:11 121:11 123:16 125:5 129:25 132:11 133:17 135:10 137:12,13 140:8 142:9 143:22 145:13 151:24,24 153:3 156:10
mitigates 78:20	names 32:11 56:2 67:16 77:12 107:15 123:5 139:6
mitigation 114:3	nasdaq 79:11
mode 20:4	natalie 3:13 123:7 132:8,11
model 13:21 46:2 47:20 71:11 80:23 81:12 101:20	nation 49:23
modern 36:24 37:14,17 38:5	national 58:8 78:18 120:12
moher 139:9	native 54:13 114:24 123:17
molly 2:4	natural 10:18 16:5 18:21 23:18 32:22 34:18 41:8 45:3 46:19 57:18 60:18 74:5,15 95:2 98:19 102:2 106:16 122:2,13 125:12,22 126:2 129:11 136:13 136:15 144:21 153:14 154:17
moment 29:2 74:16	nature 13:16 14:10 75:25 125:14 141:12
monday 79:25	naval 24:15
money 25:8 27:7 57:11 140:7,13 151:6	navigator 113:15
monroe 123:17	near 50:14 120:16 153:20
month 109:6 146:10	nearby 54:17
months 81:24	nearly 12:12,13 98:11 112:9,22 118:18 135:22
montour 22:10	necessary 13:8 22:17 30:11 33:21 66:3 91:9 126:6
moral 103:25 124:16	necessity 126:8
moran 2:15 46:8,8,9,12,14,15	ned 67:19
moratorium 51:7 53:24 79:23 80:7 87:4 124:23	need 10:15 25:2,13 30:19 31:24 33:13 41:14 53:24 55:8 69:15 87:24 88:14 90:6,11 93:11,21 93:23 94:3 104:23 108:10 111:6,18 112:5 113:17 117:2
morgan 80:3	
mortgages 94:19	
mothball 101:22	
mothballed 10:17 101:17	
mother 61:18 71:24	
mothers 73:12	
motivated 149:3	
motivations 146:14	
move 25:11 31:8 33:11 43:24 55:20 62:10 73:3 96:25 104:2	
movement 73:12	
moves 17:21	
moving 69:22 101:11 103:21	
mullen 2:25 77:14 86:23,24 87:2 87:2	
multiple 44:12	
multitasking 13:2	
munching 127:25	
municipal 19:16 22:13 136:3	
municipality 17:15	

134:13
needed 20:10 36:23 50:10 57:12
 73:17 105:24 106:2 113:3
 144:12
needlessly 111:4
needs 19:5 43:5,6 74:13 87:5,6
 87:16 116:11 120:19
negate 42:20
negative 33:8 44:12 76:9 86:3
 87:11
negatively 92:18 98:12
neglected 79:19
neighboring 138:14,16
neighbors 69:21
net 136:16
network 36:22 112:15 149:19
networks 146:21
neutral 42:11 65:7,10 78:23
 90:16 118:11 120:4 149:11
never 37:11 39:8 49:18 53:8
 63:8
new 1:2,8 4:9 7:12,14,16,18
 11:9,12,19 12:12,17 13:5,9
 14:10 16:2 18:9,17,18,20,24
 19:8,12,19 20:18,20 22:8
 23:13 30:4,7,13 31:13,13 33:9
 34:19,20,23,24 35:18 36:2,3
 37:20 38:7,11,22 39:3,4,11
 40:11,14,17,22 41:6,12 42:12
 43:7 45:5 46:16 48:19 50:3
 51:5,11 52:24 53:5,7,10,14
 54:22 60:5 61:15,17 62:10,15
 64:5,9,25 65:4,24 66:10 68:9
 68:11,18 69:2,8,13,15,20,21
 70:18,23 71:4,16,21 72:10,14
 72:22,22 74:3,8 75:21 76:13
 76:17 77:7 78:12,17,19 79:5,8
 79:19,21 80:6,20 81:3 82:4,9
 82:18,19 83:11 84:6 85:2
 88:10,12 89:14 91:4 92:9,14
 92:17 93:13 94:4,10 95:11,16
 95:20 98:5,25 99:12 101:2,19
 101:20 102:3,20 103:21,23,24
 104:2,3 106:23 108:9 109:13
 111:20 113:16 114:24 115:14
 116:20,25 117:12,16,23 118:2
 118:7,20 121:11,18,24 122:17
 124:4 125:6 126:14,16,17
 129:7 130:9,10,12,15,23
 131:14,18,22 132:12,15 133:18

135:3 137:20 140:9 142:10
 145:15,22 146:8,11,14 147:7
 147:21 148:5 149:5 156:2
newspaper 4:24
nigro 26:16
nine 15:3 22:14 37:5 38:3 79:6
 86:12
nineteen 36:15 79:6
ninety 16:14 111:24
ninetyfive 50:24
ninetyfour 37:4 38:3
ninetyseven 37:5
ninety-six 67:2
nitrogen 114:5
nitrous 23:2
nivo 56:6 59:3,3,19 60:5
nix 94:25
noise 44:13,14,17 45:21 78:14
 83:15 92:19 104:10 126:19
noncompliance 31:18 79:11,14
nonpartisan 40:12
nonprofit 46:17
normal 17:22 74:6 75:6
norman 97:6 99:19,20 100:2
north 23:24 61:17 70:24 76:14
 101:16 146:4 149:12
northern 21:25
note 64:15
noted 64:22
notice 4:19
notices 79:11
novel 88:11
november 5:18,20,21 26:5 156:10
number 5:10 6:11 105:4,5 113:19
numerical 138:9
numerous 83:2 123:25 124:20
nurse 72:13
nypirg 40:12,12,17 42:21 103:15
nyserda 79:4

O

o 1:8 16:2 34:11 78:24 101:13
 145:23
objections 132:23
obligation 124:4,16
obligations 104:2
observed 23:8
obsolete 37:19
obvious 31:18 91:22 92:6 128:19
obviously 68:25 108:9

occur 44:25 122:11
ocean 41:3
oconnell 24:9 83:25 150:22,23
oconnells 151:4
october 1:13 6:7
offered 126:12
office 5:3 85:7 146:7
officials 6:8 74:3
offset 12:3 74:14 85:16 107:6
 113:25 117:25 118:13 138:19
 154:19
offsets 98:25 99:3 114:6 119:25
 136:17,18
oh 59:24 61:9 63:22 77:22 89:10
 116:5 120:3 152:11
ohio 138:23
okay 8:17,22 9:2,6,8,12,12,20
 9:23 17:7 25:24 26:12 29:16
 29:19 32:9,11 34:9 35:22
 43:19,24 44:4,7 46:7,12 51:17
 51:18,22 52:2,6,12 54:3 56:12
 56:23,24 57:5 59:2,5,7,10,24
 61:14 63:14,17,19 64:3 65:20
 68:2 70:5,13 75:14 77:22 78:4
 81:5 84:13,22 86:22 89:7,10
 89:11 96:25 97:4,13 99:19,23
 100:4,12,15,18,24 103:2,3,10
 109:20 110:12,16,17 113:10,11
 113:13 114:22,23 116:6 119:3
 119:6 120:9 121:6 127:3,11
 129:22 137:11,15,19 139:18,20
 140:2 142:9 145:4,8 148:11
 150:7,12,19 151:18,20,21
 152:23 154:22
old 30:24 50:4 101:18,24 110:23
 125:16,19
older 14:8
oldfashioned 125:24
oliveri 4:3 9:2,6,12,23 10:10
 12:21,24 16:24 17:5 21:13,18
 21:20 23:20 25:10,17,24 26:11
 28:14 29:5,10,15,19 32:5,10
 34:5,9 35:22 38:17,20 40:4,7
 43:15,18,23 44:7 46:4,11,13
 49:5 51:13,25 52:4,8,10 54:3
 55:25 56:11,16,21 57:3,5
 58:24 59:17 60:2 61:7,10,12
 63:14,22 64:3 65:13,17,19
 67:15,25 68:7

oliviera 152:13
olivieri 1:16 69:24 72:4,8 73:5
 73:9 75:11 77:11,22 78:4,6
 80:10,12,15,18 81:5,8 83:6,9
 84:10,17,21,23 86:20,25 89:3
 89:9 90:24 93:3 94:6 96:5,8
 96:13,17,20,25 97:12,17 99:16
 99:23 100:9,21,24 103:2,6,8
 103:10 105:12,15 107:14,21
 109:16 110:2,4,8,12,17 113:5
 113:7,10,12 114:17,21 116:14
 116:17 118:24 119:10 121:6,9
 123:4,14 125:3 126:24 127:8
 127:12 129:2,5,18 132:7,10
 133:13,16 135:6 137:2,6,11,15
 137:17 139:5,18,22,25 142:3,8
 143:18,21 144:25 145:12 148:7
 148:11,15 150:7,11,14,20
 151:10,17,21 152:15,23 153:2
 154:22
once 125:16,20
onefifth 37:15,16
ones 38:5 60:14 127:20
onetenth 147:6
ongoing 154:12
online 35:17 112:10
onset 38:9
onsite 48:7 95:8 118:15
onslaught 104:5
open 34:20 37:23 131:8 144:23
 152:7
opening 130:17
operate 13:18 50:17 65:25 88:5
 125:18 136:10
operated 117:6 149:4
operates 11:17 14:13 106:21
operating 11:15 20:4 48:17
 50:19 55:6 71:17 91:14 117:8
operation 10:20 11:21,22,23
 13:13 15:2 18:2 19:15 23:4,5
 24:8 31:7 38:25 44:12 49:21
 51:7 65:2 66:6 71:19 73:18
 74:6 75:22 83:24 91:9,16,18
 92:17 97:25 102:23 113:20
 117:8 153:16 154:6,14
operational 39:18 81:13 106:9
operations 12:10 15:20 17:17
 19:6 20:17 39:7,12,24 42:19
 48:2,7 50:10 53:19 54:2 74:10
 76:9 79:19 101:8 102:14

106:17 109:8 122:23 132:5
149:11
operators 26:21 27:18 49:12
opinion 134:20
opinions 140:5
opportunities 34:23
opportunity 17:8 26:13 35:19
38:10 40:9 46:15 49:3 52:17
54:7 91:3 92:13 109:11 116:19
123:16,21 130:3 140:4 141:14
141:14,17 146:20 147:21
150:22 151:7
oppose 60:6 64:5 68:10 80:8
132:17
opposed 89:21
opposition 31:3 64:14 134:8
option 31:10
options 30:21 87:20
oral 5:24
order 5:22 6:9,13 18:23 122:25
oregon 128:2
organic 153:19
organisms 22:19
organization 22:13,13 40:13
105:21
organizer 103:14
original 49:17 64:20 65:2
101:24 126:13
originally 108:14 111:15 121:5
originated 148:22
originator 79:17
outages 90:17
outdated 132:20
outdoors 128:3
outlet 85:23 125:8
output 55:11,12 141:3
outrageous 79:2
outside 106:24
outsized 50:14
outstanding 30:4
outweighs 153:25
overall 18:25 21:9 85:19 111:7
overflow 125:9
overheated 134:16
oversight 144:12
overstated 142:25
owego 113:16
owner 44:10 66:5 140:9
owners 39:3 67:5 74:3 108:16
153:19

owning 47:20
oxide 23:2 114:5
oxides 120:13,14,21

P

p 1:8,14,14 4:2 10:7 15:25 16:2
38:14 39:13,17 42:8,23 43:11
45:4,13,23 48:20 57:10 60:22
64:10,14 69:7 71:3 76:8,16
77:7 78:12,21 80:3 87:7 88:25
95:16 98:7 99:13 102:18 111:3
112:11 118:11,14,21 128:21
133:3 134:4 155:11
paddock 2:8 8:22,25 9:6,21,25
10:3,7,11 25:12,14,18
page 156:5
pages 156:7
paid 21:3,4 33:24 107:7
painted 114:25
panaski 2:6
pandemic 12:16 141:11
panel 45:4,14 71:3 76:16 79:13
152:6,7
paragraph 28:18
parent 68:11
parents 79:10 104:11
paris 78:13,21 102:13
park 58:11
part 11:3 36:9,10 134:18
participants 152:6,7,7
participate 118:13 146:20 155:2
participation 78:13
particle 95:17
particular 93:13 135:13
particularly 24:9 122:6
particulate 44:22 62:6 122:4
133:7
particulates 153:12
partner 26:16 107:11
partners 26:17
partnership 83:24
parts 54:22
pass 104:20 130:4
passed 10:22 18:15 30:7
passenger 48:15 71:13
passing 70:20
pastoral 75:25
path 42:10
paul 135:14
pay 25:25 27:5 55:19

paying 11:4 55:16 69:21 72:23
 107:2
payments 11:25 12:4 21:3,4,6
 74:13 85:15 107:3,6
pays 141:4
peak 12:15 24:18 49:21 50:17
peaker 66:2 81:15 119:17
peculiarly 20:12
penn 32:13 85:2 107:4 125:10
pennsylvania 104:8
people 6:11 18:24 20:13 24:22
 24:25 27:11 35:4,18 46:21
 52:14 54:15 56:2 57:21 62:15
 62:16 63:2 68:14 69:8,13
 71:21 72:18,21 73:17 83:14,20
 89:17 90:13 96:2 105:9 109:3
 112:18 114:9,10 119:14 120:17
 126:2 135:23 141:20 142:16
 146:10 147:4,16,17 148:25
 149:9,20,23
peoples 54:23 92:19 98:20 122:3
percent 11:22 30:15,16 33:7,10
 35:15 42:6,11 45:6,6 48:18,21
 49:24 50:20 64:10,12 69:22
 71:5,5 76:17,18 79:7 85:13
 88:24 98:12 101:7,14 118:18
 124:6 147:7 149:11
perennial 17:14
perfect 145:13
perform 24:21
performance 82:19
period 49:10 74:19 153:7
periods 154:5
perishing 41:12
permaculture 61:19
permanently 19:12
permission 65:24
permit 4:17,21 13:5,7 14:18
 16:22,22,23 20:4 22:24 23:15
 26:21 27:9,13,17,21 28:2,24
 30:7 31:7,20 32:3 35:13 36:4
 38:12,16 39:9 42:22 43:2,5,13
 44:19 45:24 46:23 47:3 49:12
 50:4,6 51:6 52:20 53:16 54:9
 55:23 57:7 60:20 61:22 63:11
 64:6,13,20 65:2 68:10 70:17
 70:22 73:15 75:9,20 77:9 83:2
 84:8 86:2 89:15 90:20 91:8,11
 92:15 94:5 95:14,23 97:23
 98:6,11 99:14 103:19 107:13
 112:25 113:23 114:16 115:4
 116:23 118:5,18,23 121:16
 122:23 123:22 124:23 125:8
 126:12 129:16 130:7 131:2,6
 132:14,17 133:12,21 135:4
 136:25 149:24 154:14,18
permits 1:10 4:6,12,15,21 5:15
 7:13,17 10:25 11:18 31:17
 39:21,23 40:20 43:3 49:14
 50:16 51:2 53:22 58:19 60:8
 60:10 69:17 72:12 74:5 80:22
 85:9 89:2 91:8 92:11,25 96:4
 101:6 102:24 106:23 108:3
 109:14 110:23 113:19 121:3
 128:20 140:19 142:17 144:4,9
 149:5
permitted 120:8 123:2 150:3
 154:4
permitting 20:21 49:18 60:7,23
 87:7 102:21
perpetual 78:12
person 56:18 90:15
personal 79:3
personally 80:3
peter 3:4 97:5,14,19
phase 1:11
phasing 111:7
philanthropic 85:21
phone 6:5,23 7:10 8:6,7 9:8,14
 44:3 46:6 56:13 59:2,10 63:16
 63:18 65:15 67:23 78:3 89:6
 113:8
phones 105:3
phonetic 26:16 84:11
phrases 136:12
pick 69:13
pilot 85:15
pipe 75:2
pipeline 39:4 66:16
pipelines 104:5
piping 74:15
pivoted 145:20
place 10:15 33:19 51:7 63:9
 101:8 106:8 113:24 115:14
 126:4 156:4
places 46:19 57:22 66:22
plan 22:14,16 37:6 38:7 81:15
 86:13 113:25 146:10
planet 16:21 30:20 40:23 57:16
 58:2,14,22 112:20 134:16

planets 76:24
planning 35:10 92:3
plans 14:14 15:4 28:22 95:16
plant 1:7 4:8 10:15 11:15,17
 13:8 15:6 20:9 22:8,20 23:5
 26:22 27:14,23 28:4,11 32:14
 36:12 37:10,14 39:2,3,4,7
 42:18 48:17 49:12 50:8,14,16
 53:11 55:10 57:8 58:19 60:11
 62:13 64:8,15,21 66:2 70:24
 73:14 74:17 75:21 76:14,25
 78:16 80:24 81:2,13,15,17
 88:11 90:6 92:12,25 95:21
 101:17,19,23,25 103:23 104:3
 104:14 106:8,15,17 107:9
 110:24 111:2 115:16,25 116:23
 116:24,25 120:4,16,20 123:25
 125:25 132:20 134:9 135:19
 136:2,9,23 148:5 151:4 154:3
plants 19:21 22:9 23:25 30:24
 32:16 39:3 44:12,22 45:4,17
 50:10 53:13 66:5 77:6 90:19
 91:24 93:13,20 94:4 99:3,12
 101:17 102:2 104:5 111:20
 117:13,17,25 118:20 120:24
 122:5,14,17 130:13 131:8
 140:22 141:2 148:17
platform 4:25 140:5
plato 2:11 26:7,8,9,12,15 28:14
 28:17 29:8
plattsburgh 79:21
play 25:22,22 31:16
please 6:14 7:2,4,24 8:5,10,11
 8:12 9:7,14 21:16 25:12 26:2
 28:15 43:20 44:2,3 46:2,6
 51:20 54:5 58:23,25 59:2,4,9
 59:10,18 63:16,18 67:23 68:3
 69:16 70:2 75:13 77:19 84:13
 88:25 89:6 90:19 92:25 97:13
 99:18,21 100:6,14,17 105:3,7
 109:18,19,23 119:2,5,7 123:10
 127:2 129:20 135:8 137:4,7
 139:12 142:5 145:3,6 151:12
 152:2,17 154:15
plume 120:15
plus 145:17 148:25 149:21
point 12:12,13 15:10 24:13,21
 25:21 47:10 57:17 60:23 64:19
 65:6 79:6 108:11 115:22 120:6
 120:9,14 127:24 130:9 131:12
 142:17 146:17
pointed 24:5
pointing 25:25
points 11:2 142:17
poison 83:4
poisoned 104:12,13
policies 88:9
policy 17:12 46:16 131:25
policymakers 94:25
political 81:22 82:5,17,25
politics 69:15
pollutants 37:8,9 111:4 133:9
pollute 31:9 113:24 140:22
polluter 102:21
polluting 13:10 102:6 125:18
pollution 15:9 18:23 43:3 44:13
 44:17 45:2,22 50:15 55:9
 66:21 78:15 92:22 104:10
 108:22 111:9,16 112:19 119:20
 122:12 126:19 141:22 144:13
 144:16 153:12,14 154:13,16,19
polvere 3:13 123:8 132:8,9,11
 132:12
ponzi 94:14
pools 79:9
poor 42:12 142:20
population 108:20 153:9
portfolio 79:4
portion 22:2 99:7
poses 74:14
position 85:21
positive 12:18 81:4 106:4
 107:10 145:21
possible 53:20 111:8 124:17
poster 114:25
postmarked 5:21
potent 74:18
potential 11:12 70:23 92:2
potentially 130:17
poughkeepsie 73:11
power 10:12,14 19:21 20:9,11
 23:5,25 24:20 26:22 27:14,23
 28:4,5,11 30:24 32:14,15 33:5
 33:10,20 35:17 36:6,7,9,10,12
 39:2 44:22 45:4 47:21,21
 53:11,13,19 57:8 58:23 71:17
 73:14 75:21 77:6 84:4 88:21
 90:6,17 91:15 95:21 99:3,6,12
 101:17,18,23 103:23 104:3,5
 106:8,16,21 108:14 109:6

111:20 115:15 116:23,24 117:4
 117:7,17,17,25 118:20 122:5
 122:13,17 124:5,8 125:25
 126:10 131:19 132:20 134:9,11
 140:7,14,22 141:2 144:5 147:8
 148:5,17,20 150:2,3 153:11
 154:10
powered 30:24 50:11 66:2 67:3
powering 90:21
practice 82:10 124:23 142:14
practices 141:16
pray 31:19
precedent 39:23 51:4 60:24
 70:23 76:12 77:6 98:21 99:11
 109:10 111:19 118:19 122:16
 130:16 131:7 132:19 141:18
precedenting 70:22
precious 141:19 143:13
predictably 17:22
predicted 23:12
premature 44:25 122:11
premier 76:5
prepared 39:11 59:6 67:17 123:5
present 17:8 23:19 83:2 154:13
presented 116:2
presents 28:3
preserve 18:14 22:18
president 34:11 52:15
presiding 4:4
press 6:24 7:2 8:5 9:14 43:23
 44:3 46:6 51:16 59:2,4,10
 63:17,19 65:15 67:23 68:4
 70:2 75:13 77:19 84:13 89:6
 97:13 99:18,21 100:6,14,17
 109:18,19,23 119:2,5 123:11
 127:2 129:21 135:8 137:4
 139:13 142:5 145:3,6 151:12
 152:4
pressing 9:7
pretending 68:19
prevailing 55:19
prevent 18:22,22 49:2 53:21
 76:6 98:23 115:13
previously 29:24 86:12 117:25
price 27:5 141:4
pride 149:3
primarily 108:5 131:13 146:3
primary 120:12
prime 43:12
principles 82:10,12
prior 24:14 79:19 95:2
prioritized 87:6
priority 69:9 79:24 82:15
private 20:3,12,12 41:23 58:20
 66:6 71:18 77:2 81:11 91:16
 117:8 129:8
pro 36:15
probably 33:8
problem 70:6 88:3 93:9 136:17
 139:17
problems 63:25 78:2 137:23
proceeding 155:12
proceedings 156:7
process 30:25 41:17 43:10 49:18
 66:17 67:4 102:2 130:18
 131:16
processing 12:4 147:5
produce 15:2 40:14 45:8,11
 49:22 60:13 71:6,9 98:2
produced 11:16 31:2 57:18 66:13
 154:13
producer 106:21
produces 45:21 98:8 153:14
producing 71:15 93:25 94:2 99:8
 121:18 134:10
product 143:11,12
production 93:12 98:16 105:23
 122:8 130:20 133:6 136:14
productive 122:24,24
products 24:7 136:19 145:25
professor 121:12 127:14
professors 45:14 144:15
profit 28:19 57:11 58:20 68:19
 112:19 119:20
profitability 81:15
profitable 50:17 106:20 107:8
profits 67:5 68:14 92:5 95:24
proforma 49:15
profound 49:17 122:10
programs 116:21
progress 15:23
project 7:14,17 19:14 20:22
 50:4 53:10 57:9 72:12,25
 92:15 104:24 105:10 121:5
 126:18 129:9 155:4
projected 45:11 71:9
projections 48:24
projects 25:5 33:17 37:22,23
 52:16 53:7 131:9

promised 34:20 134:20
promises 15:24 95:10
promote 17:24 18:4 76:3 138:9
promotes 18:8
promoting 23:16
proof 13:12,14,14,15,16,23 14:6
 14:8,15 15:20 37:17,21 41:17
 47:5,8 51:7 57:15 58:15,20
 66:6 87:5,19,21,22,24 111:22
 112:23 114:13 117:20 122:9
 131:17
proper 82:25
property 12:3 32:17 44:10 85:14
 85:16 107:7 149:13 153:4,6,20
prophecies 136:10
proponents 15:17 154:6
proposal 14:25 39:2
proposed 87:4 112:25 116:25
 131:2
protect 18:20 19:17 20:21 22:7
 22:18,19 40:15 69:8,9 94:10
 111:18 144:19
protecting 19:9 23:18 40:2
 46:18 78:24 92:6 104:18,19
 135:3
protection 11:11 13:6 23:17
 30:8 31:14 47:2 55:13 66:12
 67:12 70:21 72:24 79:24 93:17
 97:21 118:10 119:23 124:15
 130:5 141:24
proud 30:13 68:11 103:14 142:22
 145:16 146:12 150:24
provide 17:23 20:11 22:17 66:2
 67:5 68:19 71:17 91:15 108:14
 117:7 130:12 154:4,8
provided 83:24 108:4
provides 66:7
providing 35:17 145:25
public 1:5 4:4,13,15,22,24 5:12
 5:13 8:2 19:6,20 20:3,9,19,21
 32:24 37:7 40:11,13,15,16
 41:7,19,22 46:17 49:10 68:20
 68:23 71:18 74:12 75:8 81:18
 82:12 91:12,15,24 108:14
 111:12 115:15,19 116:12 117:7
 119:19 129:12 132:22 140:3
 154:8
publicly 131:2
published 4:22

pull 114:4
pulls 15:9
purchase 106:14 154:20
purchased 81:13 87:8 101:22
 102:4
purely 20:12
purpose 5:12 20:2,10,11,20
 40:21 66:4 91:24 112:13 117:5
 126:13 132:21
purposes 4:13
push 33:11 102:10
put 28:7 68:13 89:5 96:14
 109:21 124:23 146:14 148:2
puts 54:23 55:3
putting 27:10 98:19 108:19
 150:25 151:5
puzzles 112:16 138:9

Q

quality 22:7,16,19 60:16 75:24
 92:19 98:13 120:12 133:11
 136:2 141:6 143:3 153:7
quantities 23:3
quarter 16:6,8
quentin 107:17 118:25,25
question 5:16 109:8 113:19,22
 113:24 114:7 130:17 142:20
questionable 41:19 81:21
questioned 117:2
questions 113:16
quickly 45:15 65:6 76:22 96:19
 111:8
quiet 44:15
quietly 108:15
quite 136:14

R

r 138:10
rachel 2:13 38:18,21
rain 1:11 55:2 127:23,24 128:6
 128:11 133:10
raise 6:25 8:6 9:4,7 11:6,6
 43:22 59:5 131:12 152:2,4,9
 152:17
raised 25:13 46:7 75:7 103:3
 140:12 145:14 151:15 152:20
 152:21
raising 9:9
ramp 50:23
rampant 147:14

<p> ramped 24:16 ramping 45:15 76:22 ran 49:20 random 87:9 rank 128:16 ransomware 79:25 rapaport 2:13 35:24,24,25 36:2 rapidly 146:15 147:22 148:3 ratcheted 131:9 rate 15:22 79:6 112:19 146:9 rates 20:14 raw 122:8 reach 18:8 45:18 130:19 reached 30:17 reaching 30:14 47:4 93:19 reactions 86:11 read 6:5 7:8 56:2 58:2 67:15 77:11 107:15 123:4 139:6 reading 17:9 ready 56:17 81:7 105:4 readying 94:15 real 12:3 69:19 85:16 107:6 116:10 124:3 134:5 149:15 realities 94:23 reality 88:15 realize 144:7 really 21:6 25:2 34:14 120:5 124:7 reaping 71:21 reason 37:13 55:5 62:2,17 91:25 109:10 147:25 reasonable 20:5 126:11 reasons 27:4 34:3 62:7 63:13 132:17 receive 83:3 received 79:11,12 recommend 121:2 record 7:8 30:3 42:13 83:19 85:10 138:15 155:10,11 156:7 recorded 7:6 recoup 108:10 recreation 126:5 red 141:3 redos 31:24 reduce 23:7 37:24 48:20,21 49:24 92:23 114:4,10 124:4,17 131:10 133:10 134:16 141:3 reduced 10:21 35:15 62:10 85:12 reducing 67:12 88:23 128:16 </p>	<p> reduction 30:15 53:8 64:10 referenced 86:12 124:3 refrigerator 36:23 37:17 refrigerators 37:6,15 38:4 refuse 28:7 refute 90:12 reg 20:7 32:18 regard 22:23 86:14 regarding 4:7 79:15 119:15 regardless 28:5 regeneration 74:9 regi 3:13 123:8 133:14,17 region 18:5 21:11 27:5,19,25 28:8,22 45:21 50:12 54:24 55:5,17 73:17 74:14 75:25 77:5 98:13 99:11 106:6,7 108:24 122:16,20 123:24 125:17 134:24 140:15 144:22 145:15 150:4 regional 19:16 108:20 142:13 regions 17:13 21:12 60:19 133:5 register 6:7 120:11 registered 6:9,10 regs 79:14 regulation 81:18 regulations 32:19 85:11 88:6 101:24 regulatory 33:4 39:16 reiterate 63:9 reject 13:3 26:20 27:9,13 28:24 51:6 110:22 112:25,25 121:2 rejected 142:18 relatives 147:19 relaxing 125:14 release 62:3 66:21,23 released 23:3 releases 15:11 reliability 143:8 reliable 105:25 148:19 reliance 136:17 relics 125:16 relies 131:23 rely 22:20,22 96:2 135:23 remain 41:24 91:18 104:4 remained 134:10 remaining 77:3 139:6 155:6 remarkably 64:8 remediation 20:24 remedies 115:13 </p>
--	---

remember 24:25 26:2 120:19
remind 69:16 134:14
reminder 8:12 41:11 53:2
reminds 108:7
remittance 147:19
remnants 41:10 125:19
remove 134:17
renamed 125:25
renew 4:6,11 70:21 101:6 130:7
renewable 15:21 42:6,21 45:15
 65:10 76:22 130:20 133:24
 134:17
renewables 69:22 112:10 116:10
 117:18 149:23
renewal 5:14 16:22 31:20 35:12
 38:13 39:21 49:11 51:6 61:22
 63:11 64:6,13 85:9 92:16 98:6
 102:24 113:18 114:16 126:12
 126:15 128:19,24 132:14
 133:12 144:9
renewals 34:4 39:10 49:14 57:8
 115:4
renewing 10:24 129:16
reopen 65:25 92:12
reopening 81:14
repair 9:20
repeat 119:13
repeatedly 33:2 134:20
replaced 22:9
replaces 38:2
replicate 46:2 47:20
report 134:4
reported 1:20 127:21 156:4
reporter 7:6 8:12,13,14 52:11
 96:11,12 97:10 110:9 155:10
 156:12
reporters 97:11
reporting 48:10
repower 132:20
repowered 53:18
repowering 50:7 116:24 131:7
represent 21:25 32:15 33:16
 86:4
representative 37:23
representing 85:3
represents 124:3 130:8
reproduce 92:21
reputable 69:3
request 38:14 55:25 57:10 75:18
 114:15 115:3 118:22 154:14

requested 92:11
requests 31:20 77:8
require 13:21 17:21 37:14 75:8
 88:9
required 6:7 13:18 23:7 38:8
 39:15 65:5 66:17 88:6 92:11
 98:7 117:24 118:14 130:23
 134:9
requirement 74:6
requirements 39:13
requires 50:5 64:22 66:12 87:23
 131:18,19
requiring 95:7 112:17
research 40:12 121:13
researched 87:17
researching 94:10
reside 29:21,21 70:14 97:19
 101:2 121:11 125:6 129:7
resided 133:18
resident 23:23 64:5 105:17
 114:24 119:12 140:9 151:2
residents 25:7 35:7 79:21 86:5
 93:21 107:3 133:11
resides 23:23
resilience 134:25
resilient 81:3
resolution 11:2 12:19 18:12
resolutions 10:23
resource 123:24
resources 16:6 18:21 46:19
 60:20 61:3 65:11 76:2 90:4
 98:19 122:2 140:23 141:19
 143:13 144:22
respect 13:7 42:25
respectful 6:14
respectfully 38:14 118:22
response 101:15
responsibility 69:8 154:15
responsible 87:18
rest 21:7
restart 39:3
restoring 82:15
restrictive 101:12
result 12:17 45:2 122:11 147:2
 147:3
resulted 106:11
resulting 39:16,18 76:10
resumed 10:19 106:17
resuming 11:22

retaining 66:19
retire 53:13
retired 30:24 137:21 140:21
 142:11
return 20:6 58:5
returning 54:16
reuse 118:3
revealed 117:6
revenue 11:5 34:2 61:5 106:12
reverse 38:12 92:15 109:11
review 4:13,15 38:8 39:14 42:24
 43:10,12 50:5 83:5 92:10
 117:24 118:8 120:12 136:20
 155:3
reviewed 11:12
reviewing 126:15
reviews 83:2
revitalized 80:25
reviving 140:20
revolving 141:12
rewards 41:24 71:21 77:3 91:17
rich 20:13 89:17 133:5
richard 2:12 3:16 9:13 32:6,7
 32:12 139:9 150:8,8,11,12,15
 150:15
rick 2:10 23:21
rid 87:16 139:2
ridiculous 90:2,4,16
riding 125:14
right 9:21 18:9 28:23 29:8
 31:22,25,25 32:5 46:11,20
 59:14 72:3 73:3 80:4 84:6
 134:4 143:22 145:10 146:11
 151:21
rightly 117:2 134:19
rising 41:3 72:24
risk 28:7,18 51:3 54:24 55:5
 79:18 98:20 102:15 104:22
 122:3
risks 27:4,10
river 138:23
road 1:7 4:9 32:13 48:15 71:14
 114:6
roads 72:16
robber 56:7
robert 2:19 16:25 45:13 59:8,9
 65:14,14
rochester 101:3 145:24 146:13
roger 2:15 49:6,7 53:24

role 62:11 113:22 114:2
room 36:22 72:13
root 73:12
rosendale 130:2
roster 140:12
round 67:3
route 128:12
rovedo 2:18 56:7 59:3,3,13,16
 59:19,19,24 60:3,4,5 61:8
ruined 111:17
rules 25:22,23
rumpelstiltskin 108:7
run 15:6 37:12 64:8 116:2
running 15:7 33:2 36:18 37:2,4
 72:16 116:3 122:18 134:21
runs 49:25 147:13
rural 34:23 85:14 142:13
rush 42:4
ruther 3:7 107:16 110:18,19,20

S

s 5:2 18:18 36:15 39:19 79:7,13
 79:14,23 80:3 88:21 92:7,11
 101:12 102:6 115:7,20,21,21
 138:10
sacrificing 88:11
safe 27:16 33:3
safety 18:23 83:21
sage 2:20 67:18 69:25,25 70:14
sailors 85:22
sake 55:21,21
sales 85:15
salt 153:10
samson 24:15,16
save 92:24 144:21
savings 147:18
saw 79:22
saying 88:2 115:11
says 18:19
scale 57:21 78:19
scaling 111:7
scenery 54:14
scheduled 151:23 152:16
scheme 60:25
schemes 94:14
scholar 122:20
school 12:2 34:2 107:4 123:18
schools 55:19
schumann 2:19 56:6,23,24 58:25
 63:17,20,23,24 64:4,5

<p> schuyler 21:22,23 22:5,11 science 103:24 104:20 sciences 127:15 scientific 26:20,23 28:2 69:3 scientist 137:21 scientists 102:9 scorching 127:18 screen 6:3,18 152:8 scrutiny 39:6,7 sea 41:3 sears 3:4 97:7 100:18,19,22,23 100:25 101:2 seas 72:24 season 95:14 seasonal 17:22 second 9:19,19 31:24 149:2 secondary 28:19 secondly 49:22 sector 15:23 79:7 118:12 119:24 124:7 sectors 132:2 133:25 secure 14:8 95:9 securing 149:19 see 8:24 9:15 25:12 41:5 46:6 50:25 58:5,6 62:18,23 71:23 78:7 82:6,7 83:21 89:15 116:5 128:7 136:21,21 138:17 139:16 152:8 153:8,12,15 155:7 seeing 9:4,11 23:10 55:18 68:13 114:11 152:19 seeking 84:3 149:24 seeks 49:24 130:11 seen 23:9 54:23,25 55:2,2 104:9 104:13 109:9 111:15 125:20 136:9 148:2 seggos 19:4 69:6,16 selfpreservation 95:18 selfserving 108:11 116:9 sell 88:2 148:19 senate 130:4 sending 103:17 seneca 17:15,16,18 18:14 21:24 22:3,7,12,16,19 23:4,9 27:3 27:12 29:22,23,24 34:13,14,15 38:23 54:10,12 61:16,25 73:17 75:4 80:24 86:9,13,15 96:2 103:16 105:18,20 108:5 111:9 115:2 123:23 125:10 135:10,12 135:23 136:4,19,22 138:2,4 140:11,25 144:4 151:3 153:5 </p>	<p> 153:17 senecas 60:15 senior 103:13 sensational 127:19 sense 19:19 61:3 62:18,20 95:18 128:22 sensible 94:24 sensitive 44:21 sent 5:20 43:6 september 4:23 41:11 80:9 seqr 39:14,15,20 seqra 92:11 117:24 serious 15:25 38:11 92:14 98:5 109:13 servant 68:23 serve 41:22 74:12 82:10 91:5 113:21 114:2 served 22:4,9 29:24 85:2,4 130:3 serves 74:13 94:22 service 19:20 75:8 services 5:3 35:18 146:2 147:20 servicing 24:7 serving 53:2 session 5:16 155:6 set 30:12,22 31:4 33:9 35:16 39:23 60:23 82:9 102:12 111:19 131:7 141:18 144:9 setting 51:4 70:23 76:12 77:6 98:21 99:11 109:10 118:20 122:16 130:17 seven 16:9 48:15 49:21 103:4 105:5,5,6,6,7,7 116:3 117:9 125:8 153:6 154:5 sevenfoot 75:2 seventeen 48:18 seventy 33:9 35:15 36:20 85:12 seventyeight 14:20 18:13 seventyfive 38:4 seventyseven 11:7 shady 58:10 shameless 68:24 share 114:14 sheer 94:23 shell 31:16 sheriffs 85:23 sherman 129:7 shes 70:6 82:16 shift 133:24 153:13 </p>
--	---

shifting 42:5	sizable 22:2
shindell 145:5,5	size 93:12
shingle 80:24	sizeable 45:2 122:12
shop 24:9	skiing 125:13
shore 22:3 44:16 153:5	skilled 146:7 151:5
short 133:22	sky 117:15
shortly 6:5	skyrocket 79:22
shortsighted 111:15	skyrocketing 48:4 76:16
shortterm 95:24 139:2	slippery 112:20
shout 113:17	slope 112:20
show 69:18	slow 69:7
showed 104:22	slowly 7:5 8:13
shown 31:12 80:20	small 85:14 94:18 99:6 125:11
shows 73:19 89:11	152:8
shudder 128:14	smarter 55:14
shut 63:8 73:25 117:16,25	smelled 104:10
124:13	smith 3:5,6 97:8 105:13,14,16
shutdown 116:24	105:17 107:16,19,20,22,22
shuttered 106:11 134:10	121:13
side 69:13 86:3 116:5,5	smoke 128:3 153:13
sides 31:5	snuck 63:3
sierra 49:8 50:6 65:22 91:5,6	social 18:25 66:7 89:15
103:15 115:23	societal 19:22 21:10
sign 18:10	society 60:9,15
significant 11:5,14,23 13:22	solar 24:20 33:10,16,20 55:18
15:8 19:23 21:2 39:16,17	81:2 90:18 99:5 117:18 149:12
66:23 76:11 78:10 85:21,25	soldiers 85:22
102:15 106:5,12,15 133:10	sole 112:13
significantly 10:20 12:3,6 14:7	solely 91:15 117:6 126:21
15:13 47:25 66:23 85:15 107:6	solution 15:19 139:2
signs 75:9	solutions 33:19
silicon 146:18	solve 112:17
silver 136:24	solving 138:9
similar 53:25 99:12 131:9	somebody 56:10 90:17
simplified 94:13	someday 123:20
simply 21:6 31:6,10 126:9 132:5	son 128:2
136:20 141:25	songbirds 44:15
single 88:20 109:5 111:22,24	soon 74:9
sisters 134:14	sorry 9:20 28:15 44:8 52:6,12
sit 29:23 138:11	63:22,24 65:20 77:25 96:11
site 11:21 41:21 98:8 148:24	97:10,10 110:13 113:12 137:11
sitting 148:12	152:6
six 11:15 14:18 32:13 47:10	sort 54:16 124:10 147:24
103:4 105:6,7	sought 144:4
sixteen 12:13 38:5 112:21	sounds 10:3 19:2
sixty 14:13 15:3,7 88:22 146:6	source 27:8 28:5 33:23 34:2
sixtyfive 11:7 36:19 101:7	47:21,21 92:9 102:3 105:25
154:6	117:23 120:6,9,14,16 124:9
sixtyseven 98:11 118:18	126:10 148:19

<p>sources 41:15 45:16 50:11 76:23 93:20 118:2,11 south 54:20 132:16 southern 21:24 space 13:15 speak 6:6,12,14,21 7:5 8:3,13 8:17 21:12 26:13 56:17 59:6 78:5 86:3 87:4 97:16,21 110:5 115:18 123:16 127:16 143:17 144:3 150:22 151:23 152:16,20 speaker 6:12 8:15,18 16:25 23:21 25:11 26:7 29:11 32:6 34:6 38:18 40:5 43:16,25 46:5 46:7 49:6 51:14,17,19,22 56:8 56:21,23,25 59:3,8,11 63:19 65:14 67:21 68:2 69:24 72:4 73:6 75:12,14 77:17 81:6 83:7 84:11,14 86:22 89:4,7 90:25 93:4 94:7 96:6,18 97:2,8,14 99:17,19 100:4,12,15,18 105:13 107:19 108:17 109:16 109:20 110:18 113:6 114:17 116:15 118:25 119:3,6,19 121:7 123:9 125:4 126:25 127:3 129:2,19,22 132:8 133:14 135:6 137:3,25 139:6 139:11,22 142:4,6 143:19 145:2,4,7,8 150:8 151:11 speakers 2:7 6:9 8:9 25:16 56:5 95:2 97:3,5 124:2 speaking 13:3 26:15 38:23 89:12 107:24 110:21 129:8 144:19 specific 132:23 specifically 52:19 135:19 spectacular 141:10 speculated 82:25 speculation 89:17 speculative 67:4 speculators 28:12 speechless 68:16 speed 102:8 speer 3:8 107:17 116:15,16,18 116:20 spelled 51:21 spelling 26:16 84:11 spend 34:13 101:3 128:2 137:20 spent 94:10 123:17 145:17 spin 115:18 spoke 78:22 152:11,14</p>	<p>spoken 142:16 sponsor 18:12 spot 31:11 spread 51:4 105:9 spun 108:8 stability 28:13 stabilization 19:25 20:7 stable 17:20 stake 13:14 14:6 27:2 87:22 104:23 stakes 53:3 stand 61:20 63:10 83:18 134:8 standard 67:11 93:19 144:10 standards 66:24 116:12 120:13 147:9 stands 13:17 31:3 69:17 124:14 star 6:24 7:2 8:6 9:8,14 43:23 44:3 46:6 51:16 59:2,4,10 63:17,19 65:15 67:23 68:4 70:2 75:13 77:19 84:13 89:6 97:13 99:18,21 100:6,14,17 109:18,19,23 119:2,5 123:11 127:2 129:21 135:8 137:4 139:13 142:5 145:3,6 151:12 152:4 start 10:8 17:9 29:17 44:9 56:4 59:25 84:22 148:6 started 50:18 54:11 71:2 74:10 146:5 148:23 starting 119:17 starts 32:19 77:15 89:5 state 1:2 7:12,16,24 8:10,11 11:9,19 15:4 16:3,20 18:5,18 18:18,24 19:3,8,12,16 20:18 20:20 24:11,19 30:7,11 31:13 33:9 35:6,16 37:22 39:24 40:18 42:3,17 44:24 45:5 47:4 48:19 49:2 53:14,18,21 54:2 55:7,17 60:21 62:10,25,25 65:25 67:6 68:12 69:2,9,15,22 70:18 71:4,16 74:3 76:6,17 78:18 79:6,8,20 82:20 86:7 88:15,17,23 91:21 93:7,13,22 94:3 95:23 98:23 106:23 113:15 115:14 117:14,17 121:18,24 124:4,16 126:14,17 130:4,9 131:24 134:18 141:15 144:11 146:9 149:5,22 150:2 156:2</p>
---	--

<p>stated 11:2 12:9 20:11 25:15 31:12 131:3 156:5 statement 7:4 21:14 29:3 35:23 39:10 40:11 43:10 51:9 65:5 74:7 82:2 135:12 stateoftheheart 106:16 states 11:10 42:19,23 67:10 78:13 88:16 92:21 93:14 119:24 120:14 125:2 130:20 147:15 149:7,17 statewide 12:14 14:14 stating 10:24 station 4:8,12 5:14 13:11 14:11 46:24 47:25 48:4 75:20 130:8 132:15 144:5 153:11 stationary 99:3 stations 13:4 statute 93:16 statutory 131:24 stay 50:25 137:25 staying 154:24 steady 44:24 83:25 steal 58:12 steam 62:2 118:13 steep 42:10 step 23:16 69:15 stephen 97:7 100:12,13 stephens 3:3 77:16 94:7,8,8 steps 22:18 23:6,13 steve 2:11 29:11,11,21 stevens 32:12 steward 107:10 stipulates 99:2 stones 26:17 stop 52:16 53:7,13 63:2 71:3 72:2 90:12 95:10 104:23 105:10 134:2 stopped 58:18 61:2 88:25 95:20 144:6 stopping 104:3 storage 33:18 66:16 81:2 store 147:18 stories 58:3 storms 124:20 story 94:12 108:8 strange 88:11 strategic 24:17 straw 108:8 stream 15:12,14 62:3 125:9,11</p>	<p>stress 20:22 81:13 stressing 111:10 stringent 149:6 strong 28:3 141:18 strongest 53:20 strongly 30:4 107:11 structure 50:4 struggling 62:9 studies 40:14 121:14 study 12:8 61:18 142:14 154:12 stunning 108:12 style 141:5 subject 7:25 submission 6:2 7:9,11,20 submit 26:5 29:3,6 75:17 86:7 110:10,14 submitted 5:18,19 40:20 subscribed 156:10 subsidies 81:18 substantial 135:25 substantiate 154:9 substantive 21:2 subways 72:16 successful 102:17 sucked 104:16 suddenly 101:16 suffer 141:6,7,7 sufficient 29:4,5 74:2 106:20 sulfur 120:13,14,21 sullivan 114:24 summarize 80:16 148:8 summer 15:12 34:13 101:9 summers 128:3 super 35:9 superintendent 150:23 supervision 95:8 supervisor 29:25 105:22 135:14 supervisors 135:13 supplier 24:17 supplies 10:12 13:8 14:12 33:5 supply 24:15 27:11 128:13 135:22 support 18:12 28:2 33:19,25 34:3 35:2,8,12 55:19 85:8 98:15 105:22 121:21 130:14 149:22 151:8 supported 12:11,16 supporting 10:23 84:2 128:18 supports 98:18 121:25</p>
---	---

supposed 56:9
sure 9:17 28:17 52:11 56:16
 70:9 100:2,10 110:8 137:17
 151:17
surface 75:4
surrounding 108:20 136:4,23
 149:2
suspect 10:5 154:10
susquehanna 91:6
sustainability 21:11 45:21
 73:21 77:5 99:10 102:16
 122:15
sustainable 28:8 71:10,16,25
 87:25 141:5,23
sustains 17:24
sweden 14:4 90:2 112:3
sweep 141:15
swiftly 84:7
swing 58:10
switch 119:15 121:4
switches 36:22
syndrome 79:5
syracuse 110:21 116:20
system 23:8 87:19,22
systems 34:3 112:6,6,7 136:3

T

t 7:22 101:13
take 62:11 80:23 92:2 105:3
 113:2 117:21 123:20
taken 23:6 28:21 155:2
takes 95:21
talk 26:25 120:17 136:16 139:15
 148:13 150:6
talking 89:22
talks 136:12
target 30:16 131:25
targets 55:12 98:23 102:12
 130:21
tax 11:5,25 12:4 21:2,4 33:25
 35:6 74:13 85:15,16 106:12
 107:3,5
taxes 12:3 80:24 85:14 107:7
taxing 122:25
taxpayer 106:10
taxpayers 72:22 107:7
teach 121:14
teacher 122:20
teammates 34:25
teasley 3:13 123:8 133:14,15,17

133:18
tech 77:2 84:5
technical 5:8 59:23 63:25
 129:14 151:25 152:21
technique 119:16
technologies 16:4
technology 14:9 15:22 41:24
 88:8 145:19 146:13,16,22,23
 147:16
telephone 6:24 8:5 43:24 51:15
 59:5 68:4 70:3 75:13 77:19
 84:13 97:13 99:18,20 100:5,14
 100:16 109:24 119:2,5 123:12
 127:2 129:20 135:8 137:4
 139:12 142:5 145:3,6 151:13
 151:13 152:3
tell 59:12 94:12
temperature 75:6 102:11 135:18
temperatures 15:14 17:23 135:21
ten 56:4,14 127:17 146:10
tenfold 48:11 50:20
tentative 4:16
terawatt 13:25 47:10
term 95:9
terms 29:24 143:8,9
terrible 132:19
terribly 109:4
terrifically 102:17
terrified 104:11
tessa 2:20 67:18 69:25,25 70:4
 70:7,14
test 21:10 45:18 98:21 99:11
 103:20 104:18,20 118:20
 122:16,17
testify 40:9 49:4 54:8
testimony 26:23 29:4
texas 24:19 90:17 115:11
text 17:9
thank 10:5,10,11 12:20,21,24
 16:23,24 17:5,7 21:12,13,20
 21:21 23:19,20 25:8,10,24
 26:6,11,12 29:2,8,10,15 32:3
 32:5,10 34:5,10 35:19,21,22
 35:25 38:16,17 40:3,4,8 43:14
 43:15 46:4,9,14 49:3,5,9
 51:11,13 52:2 54:3,6,7 55:23
 56:20 57:6 58:23,24 60:4 61:6
 61:7,12 63:13,14 65:12,13
 67:14,15 68:8 69:23 72:3 73:3
 73:5,9 75:9,11 77:10 78:8,9

81:4,5,9 83:5,6 84:9,10,24
 86:16,19,20 89:2,3 90:22,24
 91:2 93:2,3 94:6 96:5 97:17
 97:18 99:14,16 102:25 103:2
 103:11 105:11,12,16 107:13,14
 107:21 109:15 110:16 113:4,5
 113:13 114:16,22,23 116:12,14
 116:14,18 118:23,24 121:6,10
 123:3,15 125:2,3 126:23,24
 127:13 128:24 129:17,18 132:6
 132:7 133:12,13 135:4,9
 136:24 137:2,18 139:3,5 140:2
 142:3,9 143:16,18 144:23,24
 144:25 150:5,6,7,21 151:8,10
 151:17 152:23,24 154:20,23,25
 155:8
thanks 54:2 87:2,3 119:11 151:8
thats 7:16 24:11 25:2 29:7 33:8
 36:19 52:24 55:5 65:8 78:19
 81:3 90:16,22 97:4 105:6
 120:13 127:23
themis 140:10
theres 36:16 62:7 74:25 81:23
 83:15 87:19 88:22 95:12,19
 118:3 126:2 151:22
theresa 139:8
therese 145:7
thermal 48:23 92:22 111:9
 144:13,16
theyre 37:3 50:25 63:5 95:3
 138:5
thiel 2:6
thing 24:12,24 25:3 52:18 53:21
 60:22 63:7,12 71:2 72:3 90:22
 115:7,16 138:8,10
things 24:4,5 27:6 62:14 86:8
 90:13 115:10 120:19 142:19
 144:18
think 23:25 56:17 57:14 62:21
 65:7 72:11,17 96:23,24 120:17
 126:2 128:14 143:6
third 60:22 105:17
thirteen 35:12 50:20
thirty 16:15,17 37:3 107:24
 111:19
thirtythree 47:9
thirtytwo 36:16 50:23
thomas 51:18,18 67:19 75:12,12
thorough 19:19 38:8 92:10
 154:12
thoroughly 11:12
thorpe 3:12 123:7 129:3,4,6,6
thought 65:21 138:24,25
thousand 11:7 12:5 14:19,21,23
 15:3 16:10,12,15 20:6 27:11
 36:20 37:2,4,5 38:3 48:14
 50:24 71:13 98:18 121:25
 135:22
thousands 27:24 28:22 34:24
 35:7
thread 140:10
threat 20:23,25 27:14,18,24
 28:10 40:23 60:18 73:23
threaten 108:25 111:12
threatened 104:4
threatening 22:15 28:12
threatens 45:20 73:19 77:4 99:9
 122:14
threats 141:25
three 6:24 7:2 8:6 9:8,14 12:5
 14:13,22,24 15:7 16:11,11,15
 16:16 17:19 36:18,25 43:23
 44:3 46:6 47:11 51:16 59:2,4
 59:10 63:17,19 65:15 67:23
 68:4 70:2 75:13 77:19 81:24
 84:13 89:6 97:13 98:17 99:18
 99:21 100:6,14,17 103:4 105:5
 105:6,7,7 109:18,19,23 113:24
 119:2,5 121:24 123:11 127:2
 129:21 132:16 135:8,22 137:4
 139:13 142:5 145:3,6 146:17
 148:13 151:12 152:4 154:5
thrilled 144:6
thrive 14:10
thriving 27:23 121:21
throw 26:17 78:14
thumbs 29:18
tim 2:6
time 1:14 5:7 6:14,15,19,21
 11:15 21:12 25:9 31:25 32:4
 34:23 43:19 55:24 56:2 59:7
 63:5,7 68:17 69:12 71:23 73:4
 74:20,25 81:23 84:9 86:16,21
 87:10 90:2 93:19 101:3 106:2
 106:18 111:6 112:9 115:20
 116:2 122:18 125:17 128:2,19
 131:10 133:22 134:22 135:3
 137:20 139:20 143:16 148:24
 151:22 152:2,10,18 153:10
 154:22 155:2 156:4

<p> timer 6:18 times 4:23 24:18 47:11 66:3,19 timing 25:18 26:2 timothy 2:24 77:13 84:14,14,25 tip 53:16 tischler 129:19,19 tishler 123:7 title 1:10,11 4:6,6,11,11 5:15 5:15 10:25 13:7 16:22 20:3 22:24 26:20 30:6 32:2,18 34:4 34:4 36:4 38:15 40:19,20 43:4 43:4 44:19 45:24 46:23 47:3 49:11,17 51:6 52:20 53:22 55:23 57:7,7 58:18,18 61:21 63:11 64:6,20 66:23 70:16,22 72:11,12 73:15 75:9,19 77:9 84:8 91:7 97:22 98:11 99:14 107:12 108:2 110:22,23 118:5 118:17,22 121:3,16 122:22 123:21 125:8 128:20 130:7 132:14 133:20 titles 140:18 today 5:2,15 6:6,12 7:5 8:15 13:3 15:17 20:11 22:23 26:4 30:3 38:24 40:10,17 46:15 48:3 49:4 52:17 68:10 73:13 75:7 85:12 87:4 95:12 97:21 98:3 101:4 103:17 107:25 110:22 116:19 133:20 140:16 144:19 147:25 154:23 today's 5:12 40:9 148:3 155:8 tokens 131:18 told 47:18 48:5 tolerated 126:6 tolerating 126:11 tom 3:6 107:16 109:20,22,22 137:8,13 tomorrow 105:9 tompkins 97:20 tonawanda 70:25 76:14 tons 14:20,22,24 15:3 18:3 20:6 20:14 45:8,12,12 71:7,10 74:23 111:5 120:7,18,18 130:24 top 78:22 79:24 82:15 101:13 topics 136:6 torrential 41:10 torrey 10:16 12:2 32:15 44:11 86:5 105:18,22 107:5,9 </p>	<p> tory 106:7 total 12:12 16:16 31:3 48:18 130:24 totally 60:6 126:4 touch 136:6 tourism 27:23 60:17 86:10 98:16 102:17 111:13,17 121:22 126:5 138:19 142:25 143:4 153:21 tourist 17:19 121:23 town 10:16 11:25 21:5 22:2,11 29:22,23 32:15,25 34:2 35:10 44:11 61:5 70:14 86:5 105:18 105:22 106:6 107:5,9 115:10 towns 33:17,23 47:23 107:7 townships 33:16 toy 23:22 track 6:19 83:18 147:5 trade 20:5 112:19 119:20 traditional 88:6 145:18 traffic 125:20 tragic 53:2 tragically 104:22 trail 85:23 125:10,23 transact 147:19 transaction 13:19 14:6 88:20 109:5 111:23,24 transactions 16:16,18 111:25 112:16 131:18 147:6 transcription 156:6 transferable 21:6 transferring 112:14 transformation 34:17 134:12 transformed 66:5 transition 78:16 88:16 95:17 transitioned 97:23 transmission 33:17,18 transparent 82:3 transparently 146:25 transport 104:6 transportation 64:16 66:16 112:6 transported 74:17 traveling 24:11 travesty 126:14 treasurer 105:20 treat 65:3 102:3 treatment 22:8,9 tree 58:12 treichler 2:13 38:18,19,21,22 </p>
--	--

tremendous 47:6,7 93:9	102:6
tremendously 120:25	ulster 130:2
trend 42:14 47:16	ultimate 118:3
tried 62:11 78:7	ulysses 142:10
trillion 48:23	umrigar 77:15 89:7,8,10,12
trimmed 66:4	152:10
trips 54:12	unable 10:4
triumphant 58:5	unacceptable 28:18
trouble 27:3 52:5 96:9,21 110:5	unanimously 10:22 18:15 86:2
trout 15:11 62:2,2 73:21	unbanked 146:24
truck 66:16	unblemished 85:10
true 117:5 120:5 136:11 156:7	unclear 77:14
truly 57:16 65:9 147:2	undermine 102:18
trumansburg 61:16 97:20 143:24	undermined 114:12
trust 82:12,15 111:14 114:15	undermining 20:24
trusted 79:16	underserved 149:20
trustee 26:13	understand 50:9 57:16 116:7
truth 87:12	148:15
try 108:10 139:19 151:18	understanding 30:18 149:15
trying 60:24 62:14	understated 66:9
turn 6:21 8:3 32:23 49:20	understood 143:5
119:20 131:19	undertake 43:8
turned 74:10	undo 42:16
turning 82:16	unfettered 88:5
turns 87:25	unfortunate 23:14
tweet 80:9	unfortunately 69:5
twelve 74:19 85:2	unidentified 96:18
twenty 34:16 36:19 37:25 48:14	unintelligible 12:19 19:18
66:20 117:8 145:17	32:19 37:23,24 38:9 52:9
twentyeight 13:25 14:21	57:19 73:20 75:5 80:9,14
twentyfour 36:18 49:21 116:3	83:14 88:19 96:7,10,16,22
154:5	103:15 134:19 135:14 138:10
twentynine 16:9	140:13
twentyyear 74:19	union 24:9 55:16 69:21
twice 35:4	unique 141:23 148:4,21
two 5:9,10 6:12,16 14:23 20:5	uniquely 153:24
24:14,17 25:15 29:17 33:12,15	unit 34:17,18
39:20 44:13 49:16 50:3 75:3	united 11:10 147:15 149:6
78:17,24 85:3,16 98:15 102:3	units 48:23
102:11 105:5,7 113:22 127:17	university 76:20 145:16
127:24 128:3,9 132:22 140:9	unmistakable 41:14
147:17	unmute 6:25 8:8 9:16 10:4 56:9
twominute 6:18	56:10 59:20,21 64:2 100:10
type 39:20 143:12	139:19 151:16 152:22
types 76:8	unmuted 6:22 8:3 9:21 59:14
typewritten 156:6	61:14 65:21 67:24 99:22,24,25
typically 49:11 128:8	100:7 127:5 139:14,16 150:16
	151:19
	unmuting 70:4,6 152:22
U	
u 47:15 79:7 80:3 88:21 101:12	

<p> unnecessarily 124:18 140:22 unnecessary 14:9 41:15 67:9 unprecedented 57:21 unregulated 95:15 unreliable 143:10 unstable 140:21 unsustainable 58:17 130:18 132:6 unusual 23:10 135:15 unwise 41:14 updated 102:8 upheld 144:14 uphold 13:5 87:7 upside 82:17 upstate 34:19 81:3 84:6 upstream 51:2 66:13,22 98:9 118:15 130:22 upton 56:6,22,22 63:15,15 upward 47:16 urge 13:3 23:15 27:17 36:3 39:9 44:18 45:23 53:23 60:7 70:15 91:6 97:22 99:13 101:5 105:9 107:11,25 112:24 116:22 121:14 123:21 124:22 125:6 133:20 140:16 141:21 144:8 urged 50:8 urgently 73:24 urges 46:22 urging 27:8,13,21 30:4 usage 47:17 67:9 134:17 use 13:7,9 14:14 16:13 25:4 33:7 36:17 37:3,14,24 41:4,15 50:14 57:18 58:19,23 60:24 71:23 75:21 78:23 87:14,18,20 87:24 88:9 89:23 91:20 92:17 93:11 99:3 102:7 111:7,8 112:2,9 113:2 114:8,10 115:15 117:15 118:7 126:20 131:15 143:13 150:3 154:8 useful 119:14 user 9:4 43:21 103:4 127:6 uses 13:24 36:23,25 37:4,19 47:9 64:15 87:22 88:20 89:23 111:23 112:3 131:21 utilities 78:17 utility 17:12 utilize 67:2 utilizing 98:24 147:18 </p>	<p> v 1:10 vacation 54:17 valdi 3:2 77:15 90:25 91:3 validate 37:20 validating 131:17 validation 13:13,20,24 14:6 131:16 valley 146:18 valuable 140:23 141:9 value 37:6 55:4 79:18 89:15,18 94:20 108:6 150:4 153:23 values 76:4 variety 27:4 136:22 various 32:24 vastly 126:18 vehicles 33:12 48:15 71:14 vendors 146:8 venue 1:15 verify 79:17 112:16 verizon 10:4 version 94:13 versus 52:14 vertically 36:5 viability 25:4 92:20 viable 106:21 107:8 vibrant 92:20 views 17:8 village 26:13,14 44:10 86:5 villages 22:10 vineyard 153:20 vineyards 27:20 54:20 140:12 vinnie 43:25 44:2 vinny 109:17,17,18 violate 111:3 violation 78:12 124:14 virtual 4:22 57:25 95:7 virtually 78:2 visit 148:24 visited 104:7 visits 128:9 vital 75:25 107:4 153:20 vitally 73:16 78:9 voice 129:15 140:4 voices 140:7 volatile 79:18 143:10 volume 66:14 96:14 volumes 93:24 voluntarily 91:5 volunteer 65:22 115:23 </p>
--	--

v

<p>vote 95:23 voted 35:11 voting 37:23 vulnerable 62:4</p> <hr/> <p style="text-align: center;">W</p> <hr/> <p>w16:2 35:9 83:17 134:15 wage 11:6 55:20 85:18 wages 35:5 wait 9:17 waived 74:6 wake 90:11 walking 69:7 wallravin 1:20 156:3,12 wanda 3:9 107:18 119:6,7,12 want 10:8 33:11 44:9 52:11 56:15 62:19 65:5 71:24 86:16 92:24 96:3 119:13 131:12 142:18 151:16 154:23 wanted 25:21 81:19 115:2,9 123:20 wants 119:20 155:5 war 24:14,16 warm 56:13 warming 30:20 42:3 64:18 73:24 74:24 102:12,20 127:18 warned 102:10 warranted 42:25 washed 140:21 wasnt 61:25 62:8 63:25 waste 16:20 61:3 90:4 132:4 139:2 140:23 wasteful 112:3 wastes 112:12 130:11 wastewater 22:8 watch 103:14 watched 142:12 watching 95:13 water 11:18 15:10,14 18:6,22 22:7,9,18 23:3 26:14 27:8,10 27:12,17 28:4,20,24 32:23 44:16 50:15 60:16 62:3 73:20 75:2,5,24 98:15 103:14 104:9 106:23 108:22 109:3 110:25 111:17,18 115:21,24 117:16 120:22 121:21 125:9,19 126:19 128:6,13 133:7 135:18,21 136:2,3 137:23 140:23 141:7 141:20 153:8 waterfalls 125:15 141:13</p>	<p>waterloo 151:3 waters 18:8 22:16,21 61:24 watershed 17:18 22:12 38:23 86:13 105:21 watt 38:5 watts 36:16 way 21:3 31:17 47:13 52:13 55:10 56:14 61:3 62:25 88:22 95:19 108:21 111:15 120:7 125:15 133:23 138:5,15 145:21 147:14 148:3,4 152:4 wayne 54:8 83:11 ways 55:15 61:4 112:21 wealth 89:18 112:14 135:2 wealthiest 147:14 wealthy 20:12 94:22 126:22 weather 41:2 54:23 55:3 128:8 web 146:17 webcast 4:25 webex 1:1,15 2:1 3:1 4:1,25 5:1 6:1 7:1 8:1 9:1,3,16,18 10:1 11:1 12:1 13:1 14:1 15:1 16:1 17:1 18:1 19:1 20:1 21:1 22:1 23:1 24:1 25:1 26:1 27:1 28:1 29:1 30:1 31:1 32:1 33:1 34:1 35:1 36:1 37:1 38:1 39:1 40:1 41:1 42:1 43:1 44:1 45:1 46:1 47:1 48:1 49:1 50:1 51:1 52:1 53:1 54:1 55:1 56:1 57:1 58:1 59:1,23 60:1 61:1 62:1 63:1 64:1 65:1 66:1 67:1 68:1 69:1 70:1 71:1 72:1 73:1 74:1 75:1 76:1 77:1 78:1 79:1 80:1 81:1 82:1 83:1 84:1 85:1 86:1 87:1 88:1 89:1 90:1 91:1 92:1 93:1 94:1 95:1 96:1 97:1 98:1 99:1 100:1 101:1 102:1 103:1 104:1 105:1 106:1 107:1 108:1 109:1 110:1 111:1 112:1 113:1 114:1 115:1 116:1 117:1 118:1 119:1 120:1 121:1 122:1 123:1 124:1 125:1 126:1 127:1 128:1 129:1 130:1 131:1 132:1 133:1 134:1 135:1 136:1 137:1 138:1 139:1 140:1 141:1 142:1 143:1 144:1 145:1 146:1 147:1 148:1 149:1 150:1 151:1 152:1 153:1 154:1 155:1 156:1 website 18:19 136:12</p>
---	---

<p>week 23:8 79:25 82:14 117:9 weekend 54:11 weeks 15:6 66:2 94:10 weiderpass 3:2 77:16 90:25 91:2 91:3 weight 5:23 welcome 18:10 26:4 110:14 welcomed 107:9 welfare 18:24 25:6 wellbeing 17:24 18:25 27:15,19 28:11,20,21 95:25 weltman 3:5 97:7 100:16,16 103:5,7,9,9,11,12,13 went 43:17 west 26:18 western 145:15,22 146:11,14 weve 54:23,25,25 55:2 82:4 108:21 136:8 151:24 whats 37:16 whereof 156:9 whistle 58:12 whitehouse 107:18 119:4,4 wholesome 126:3 whos 59:14 wife 54:11,16 72:13 89:12 127:16 145:14 wifes 23:24 153:4 wildfires 90:10 128:4 wildlife 44:18 46:19,20 wiley 107:16 113:6,8,9,11,13,14 willey 3:7 william 121:13 willing 15:21 willingness 114:9 wilson 2:10 23:21,22 139:9 145:7 wind 24:20 33:10,19 55:18 90:18 117:18 window 74:19 wine 54:15 86:9 98:16 102:17 121:22 126:5 winemakers 55:4 wineries 27:20 141:13 winery 140:12 153:21 winning 74:4 winter 15:13 24:19 winters 34:14 wisely 58:23 wish 6:11 49:9</p>	<p>wishes 6:6 withdrawals 50:15 witness 156:9 witnessed 24:19 148:23 women 150:25 wonderful 121:10 125:22 136:18 wont 58:2,10 80:5 wood 2:14 40:5,6,8,10 43:15,17 wooded 125:12,12 word 7:21,23 105:9 words 80:19 94:12 work 13:12,14,17,23 14:8,15 15:20 24:11 27:5 35:2 37:18 37:21 41:17 42:16 47:5,8 51:8 57:15 58:15,21 66:6 72:15 73:24 79:4 83:14 84:7 87:5,19 87:21,24 107:12 111:22 112:23 114:9,13 115:22 117:20 122:9 131:17 141:8 149:15 150:25 151:3 worked 32:16 34:15 workers 83:13,24 workforce 85:17 148:25 working 83:20 113:15 150:24 works 40:13 153:10 world 24:14,16 42:3 62:9,16 69:3 71:25,25 73:22 74:21 89:23 91:21 145:22 146:19,24 147:9,13 148:3,6,17 149:21 worldwide 76:10 worse 72:20 93:10 143:2 worst 83:22 134:5 worth 58:22 worthless 80:5 worthy 113:23 wrap 28:15 wraps 21:23 writing 29:6 written 5:17,19,24 6:2 7:9,12 7:21 26:5 110:14 wrong 27:6 63:12 73:3 117:21 wrote 101:15 135:16</p> <hr/> <p style="text-align: center;">X</p> <hr/> <p style="text-align: center;">Y</p> <hr/> <p>y 7:24 yan 32:13 85:2 107:4 125:10 yates 10:7,21 11:4,5,24 12:2 21:5 32:14 33:15,23 35:11</p>
---	--

78:22 85:3,7,18,25 86:6
 105:18 106:6,9,10,25 107:4
 121:17 138:14,17 148:2
yeah 61:13 62:20 78:6 137:17
 148:9 150:20 152:21
year 13:25 14:14 15:7,8 17:20
 18:4 20:15 36:24,25 44:25
 45:9 47:10,15 48:15 50:18
 66:2 67:3 71:7,14 95:4 111:6
 122:11 135:16,24 136:10 146:5
years 12:7 19:11 22:4 29:25
 32:16 34:16,19 36:19 37:22
 48:2 49:14 54:22 62:22 65:25
 66:20 68:13 74:24 85:2,5,6
 87:8 102:3 107:24 123:17
 131:6 138:11 141:11 144:17
 145:17,18
yesterday 10:21 35:10
yield 73:4
yonkers 132:12
york 1:2,8 4:9 7:12,14,16,18
 11:9,19 12:12,17 14:10 16:2
 18:9,17,18,24 19:8,12,20
 20:18,20 23:13 30:7 31:13
 33:9 34:19,20,23,24 35:18
 36:3 38:11,22 40:11,17,22
 42:12 45:5 46:16 48:19 51:5
 53:5,14 54:22 60:6 61:15,17
 62:10,15 64:5,9 65:24 66:10
 68:9 69:2,9,14,15 70:18,24
 71:4,16,22 72:10,14,22,22
 76:13,17 77:7 78:12,18 79:5,8
 79:19,21 80:6 81:3 82:5,18,20
 83:11 84:6 85:2 88:10 89:14
 91:4 92:14 93:14 94:10 95:11
 95:21 98:5 99:12 101:2,19
 102:20 103:21,24 104:2,4
 106:23 109:13 111:20 113:16
 114:24 115:14 116:20 117:13
 117:16 118:21 121:12,18,24
 122:17 124:4 125:6 126:14,17
 129:7 130:9,15 132:12,15
 133:18 137:20 140:9 142:10
 145:15,22 146:8,11,14 147:8
 147:21 148:5 149:5 156:2
yorker 68:11
yorkers 30:13 40:15 41:12 52:25
 78:19 88:12 116:25 135:4
yorks 13:5 18:21 31:13 41:6
 51:11 68:18 80:20 95:16 99:2

101:20 130:23 131:15
you'd 26:3 29:6
you'll 82:7
you're 9:8 26:4 43:20,24 44:3
 51:15,20 56:16 58:25 59:3,5
 59:10 63:16,18 65:15 67:23
 68:3 69:13,14,25 70:3,5 75:13
 77:19 80:12,15 84:12 89:6
 97:12 99:17,20 100:2,5,11,13
 100:16 109:17,19,22,23 110:14
 119:4,7 123:10,11 126:25
 129:20 136:18 137:4 139:12
 142:4 145:2,5 151:11 152:3
you've 23:25

Z

zero 5:9,9,10,11 35:12 93:18
 103:6 115:5 124:6 127:24
 136:17 146:17
zeros 60:14
zip 7:19 91:4
zombie 53:11
zone 117:5

0

00004 1:11
00017 1:10,11
02 1:14 4:2

1

1 1:14 4:2 156:5,7
10132021 1:1 2:1 3:1 4:1 5:1
 6:1 7:1 8:1 9:1 10:1 11:1
 12:1 13:1 14:1 15:1 16:1 17:1
 18:1 19:1 20:1 21:1 22:1 23:1
 24:1 25:1 26:1 27:1 28:1 29:1
 30:1 31:1 32:1 33:1 34:1 35:1
 36:1 37:1 38:1 39:1 40:1 41:1
 42:1 43:1 44:1 45:1 46:1 47:1
 48:1 49:1 50:1 51:1 52:1 53:1
 54:1 55:1 56:1 57:1 58:1 59:1
 60:1 61:1 62:1 63:1 64:1 65:1
 66:1 67:1 68:1 69:1 70:1 71:1
 72:1 73:1 74:1 75:1 76:1 77:1
 78:1 79:1 80:1 81:1 82:1 83:1
 84:1 85:1 86:1 87:1 88:1 89:1
 90:1 91:1 92:1 93:1 94:1 95:1
 96:1 97:1 98:1 99:1 100:1
 101:1 102:1 103:1 104:1 105:1
 106:1 107:1 108:1 109:1 110:1

111:1 112:1 113:1 114:1 115:1	79:12 147:5
116:1 117:1 118:1 119:1 120:1	2021 1:13 4:23 5:18,20,22 6:7
121:1 122:1 123:1 124:1 125:1	7:22,24 18:16 19:13 86:19
126:1 127:1 128:1 129:1 130:1	156:10
131:1 132:1 133:1 134:1 135:1	2022 115:22
136:1 137:1 138:1 139:1 140:1	2025 14:16 15:5 48:9,23
141:1 142:1 143:1 144:1 145:1	2030 30:15 33:10,12 45:6 49:25
146:1 147:1 148:1 149:1 150:1	64:11 71:5 76:18
151:1 152:1 153:1 154:1 155:1	2040 42:11 124:6
156:1	2050 30:16 48:21 64:12 88:24
10th 4:23 156:10	93:18
122331750 7:15,19	21 18:16
13 1:13	2191 32:12
13760 91:4	29 1:14 155:11
14441 1:8	
155 156:7	<hr/> 3 <hr/>
172021 18:12	3 120:21
1793 144:2	31 79:12
187 1:8	3509 26:17
19 1:10,11	<hr/> 4 <hr/>
1932 23:25	4 1:14 155:11
1937 10:16 106:9	<hr/> 5 <hr/>
1940s 153:5	590 1:7 4:8
1965 144:15	<hr/> 6 <hr/>
1970 38:3	625 7:14,18
1970s 36:23 37:5	<hr/> 7 <hr/>
1971 142:11	79 128:12
1976 128:10	<hr/> 8 <hr/>
1979 133:19	8 80:9
1990 10:21 35:16 48:21 85:11	840 83:17
95:3	8573500004 1:10
1996 147:24	85736 1:11
19th 5:18,20,21 26:6	8th 6:7
<hr/> 2 <hr/>	<hr/> 9 <hr/>
2 18:3 35:15 45:5,8 66:20,22	
71:4,7 111:6 120:21 134:2,11	
2009 106:11	
2011 10:17 73:25	
2014 50:8 81:10 85:17 106:14	
2015 39:2 79:7 81:21 83:5 115:9	
116:23 117:22 118:5	
2016 11:9 54:19	
2017 10:20 11:23 101:23 115:9	
115:18	
2019 30:7,22 31:4 47:12 49:22	
79:10,21 102:4 118:9 119:23	
120:13	
2020 11:6 12:5,10,15 14:21,22	
16:12,13 48:12,13,16 71:12	