

BEFORE THE STATE OF INDIANA
ENVIRONMENTAL RULES BOARD

- - -

PUBLIC MEETING OF JUNE 11, 2025

- - -

PROCEEDINGS

before the Indiana Environmental Rules Board,
Dr. John Graham, Chairman, taken before me,
Lindy L. Meyer, Jr., a Notary Public in and for
the State of Indiana, County of Shelby, at the
Indiana Government Center South, Conference
Center, Room A, 402 West Washington Street,
Indianapolis, Indiana, on Wednesday, June 11,
2025 at 1:31 o'clock p.m.

- - -

ACCURATE REPORTING OF INDIANA, LLC
543 Ponds Pointe Drive
Carmel, Indiana 46032
TELEPHONE: (317) 848-0088
EMAIL: accuratereportingofindiana@gmail.com

1 APPEARANCES:

2 BOARD MEMBERS:

3 Dr. John Graham, Chairman
4 William Etzler
5 Carrie Kozyrski
6 Dr. Ted Niemiec
7 Dr. Joanne Alexandrovich
8 Jamie Brown
9 Ken Rulon
10 Chris Horn
11 John Ketzenberger
12 Calvin Davidson
13 R. T. Green
14 Eli Eckhart, Proxy, Indiana Economic
15 Development Corporation
16 David Bausman, Proxy, Lieutenant
17 Governor
18
19 Clint Woods, IDEM Commissioner
20 (Nonvoting)
21

12 IDEM STAFF MEMBERS:

13 Billie Franklin
14 Keelyn Walsh
15 Scott Deloney
16 Karla Kindrick
17 Kevin Bump

16 PUBLIC SPEAKERS:

17	Allen Halline	55
	Mike Oles	60
18	Susan Thomas	66
	Wanda Torres	70
19	Hilary Lewis	74
	Terry Steagall	78
20	Susie Talevski	87
	Connie Wachala	97

21

- - -

22

23

1 1:31 o'clock p.m.
2 June 11, 2025

3 - - -

4 CHAIRMAN GRAHAM: We're going to call
5 this meeting to order, get on schedule. Welcome,
6 everyone. Good afternoon. My name is John
7 Graham, and I'm a professor at Indiana
8 University. I'm delighted to be here to lead
9 this effort and learn a lot of the process.

10 I'm going to start with the reading of the
11 order so we see if we have a quorum here.

12 Mr. Green, are you with us?

13 MR. GREEN: Yes.

14 CHAIRMAN GRAHAM: Mr. Rulon?

15 MR. RULON: Yes.

16 CHAIRMAN GRAHAM: Mr. Davidson?

17 MR. DAVIDSON: Yes.

18 CHAIRMAN GRAHAM: Mr. Nieminic [sic]?

19 (No response.)

20 CHAIRMAN GRAHAM: Mr. Horn?

21 DR. NIEMIEC: Ted Niemiec is here.

22 CHAIRMAN GRAHAM: I'm sorry. I
23 mispronounced that.

Mr. Horn?

1 MR. HORN: Present.

2 CHAIRMAN GRAHAM: Mr. Bausman?

3 MR. BAUSMAN: Present.

4 CHAIRMAN GRAHAM: Mr. Eckhart?

5 MR. ECKHART: Present.

6 CHAIRMAN GRAHAM: Ms. Flittner?

7 (No response.)

8 CHAIRMAN GRAHAM: Ms. Brown?

9 MS. BROWN: Here.

10 CHAIRMAN GRAHAM: Dr. Alexandrovich?

11 DR. ALEXANDROVICH: I'm here.

12 CHAIRMAN GRAHAM: Okay. I hear you.

13 Ms. Kozryski [sic]?

14 MS. KOZYRSKI: Kozyrski, yes.

15 CHAIRMAN GRAHAM: Sorry about that.

16 MS. KOZYRSKI: It's all right.

17 CHAIRMAN GRAHAM: Mr. Ketzenberger?

18 MR. KETZENBERGER: Present.

19 CHAIRMAN GRAHAM: Mr. Etzler?

20 (No response.)

21 CHAIRMAN GRAHAM: So, we do have a
22 quorum, so we are ready to roll.

23 I was not here at our last meeting, so I

1 do know that we have to approve our meeting
2 summary from last meeting, so I'm going to let
3 those of you who were here see if we can find a
4 motion and a second for approval of that summary.
5 Do I have a motion?

6 MR. DAVIDSON: So moved.

7 CHAIRMAN GRAHAM: Do I have a second?

8 DR. ALEXANDROVICH: There is --

9 DR. NIEMIEC: Seconded.

10 DR. ALEXANDROVICH: There is -- there
11 is an error --

12 CHAIRMAN GRAHAM: Okay. Let's fix
13 it.

14 DR. ALEXANDROVICH: -- on the
15 minutes, and this issue kind of came up at the
16 last meeting. On Item B, "Approval of Meeting
17 Summary," it should read December 11th, 2024,
18 because our last meeting was in March, so the
19 March meeting approved the December meeting
20 minutes.

21 CHAIRMAN GRAHAM: Okay. Very good.
22 Thank you so much. As corrected, and I'm glad
23 somebody's reading those summaries so we know

1 whether they're accurate.

2 All of those in favor of approval of the
3 as-corrected, say aye.

4 (Board members responded, "Aye.")

5 CHAIRMAN GRAHAM: Opposed?

6 (No response.)

7 CHAIRMAN GRAHAM: All right. We got
8 everybody, I think.

9 Okay. I think we're going to move now to
10 Clint Woods to give us his report on what's
11 happening at the agency.

12 COMM. WOODS: Well, thank you so
13 much, Dr. Graham.

14 And I wanted to, first and foremost, thank
15 all of you for being here. I know this is the
16 second ERB meeting I've been to. The first one,
17 we got in and out in like 30 minutes, and I'm
18 told that's not necessarily always the norm, but
19 I really appreciate the time and the expertise
20 that you all bring to help advise our agency.

21 As you all know, under Title 13 and other
22 provisions of the Indiana Code, the Environmental
23 Rules Board is absolutely critical for helping

1 make sure that IDEM's rulemakings are rigorous
2 and fit within the technical and scientific and
3 legal requirements.

4 I want to thank Dr. Graham for being
5 willing to serve as our Chair and representative
6 of the general public, and all of you, many whom
7 have served in the past, and we really appreciate
8 the combined expertise. We've got a new proxy
9 for the Lieutenant Governor, David. I want to
10 welcome him from the Indiana State Department of
11 Agriculture.

12 I know Stephanie Flittner, a relatively
13 new General Counsel from the Department of
14 Natural Resources I think will be joining us
15 perhaps later this meeting and also at future
16 meetings. I'm really glad to have some new faces
17 and folks willing to help us out as we go through
18 this rulemaking process.

19 As you all know, I'm still relatively new
20 to IDEM. I joined the agency with Gov. Braun in
21 February. I'm thrilled to be here. I know many
22 of you got a chance to meet, just before the
23 meeting, our Secretary of Energy and Natural

1 Resources, Suzie Jaworowski, and we're very
2 excited to be part of the Energy and Natural
3 Resources vertical, where we have all kinds of
4 fun agencies doing exciting things from setting
5 rates for electric utilities to overseeing our
6 state parks and fish and wildlife to helping out
7 visitors and students visit our state museums and
8 War Memorial, as well as other things we're
9 seeing tremendous benefits from.

10 That structure, having ten agencies and
11 quasi-agencies all within one foxhole and getting
12 a chance to compare notes, like that's been a
13 real benefit to us, with the new administration,
14 with some of the challenges we have, and
15 uncertainties coming from Washington D.C., where
16 there's also -- an important transition is taking
17 place, through the legislative session.

18 And then as we move to implement a lot of
19 executive orders that Gov. Braun has issued, I
20 think largely directives to do things quicker and
21 more efficiently, and also in a better
22 coordinated fashion across agencies and with key
23 stakeholders and customers throughout the state.

1 So, we're thrilled to be part of that and
2 be taking advantage and, you know, be able to
3 benefit from the vertical structure and the
4 chance to break down those silos between our
5 agencies and hopefully serve Hoosiers better.

6 I thought I'd maybe just mention a few --
7 a couple of quick things that I think are
8 renewable items that -- I think some are a
9 preview of coming attractions, because I know we
10 rely heavily on this Board to help us make sure
11 that we're going through our various processes
12 for our rulemaking. We've got a few open-ended
13 requests that we may be coming to you within the
14 not-too-distant future to explore some topics
15 that I think are really going to be critical to
16 IDEM, in addition to some specific rulemakings
17 that correspond with federal environmental
18 regulations.

19 But I wanted to just mention three quick
20 things. First, as you all likely know, a few
21 weeks back -- it's the better part of a month --
22 we wrapped up our legislative session. Our
23 General Assembly had a lot of activity, had some

1 challenges. We got a fairly negative revenue
2 forecast at the tail end of their session, and
3 trying to figure out our next biennium budget
4 while facing a 2.5-million-dollar shortfall in
5 our general appropriations.

6 So, as you all likely know, IDEM is funded
7 kind of from three different pie pieces. Some,
8 as a smaller pie piece, state general
9 appropriations; some, federal grant money that
10 flow through core capital local grants that
11 implement the Clean Air Act and Clean Water Act
12 and the Research Conservation and Recovery Act
13 and other environmental statutes.

14 And then a pretty big pie piece that's
15 also dedicated funds that come through permitting
16 fees, annual fees for permits, things like
17 tipping fees that is generally the largest piece
18 of the pie. But certainly for us and other state
19 agencies, we're -- our belts were already pretty
20 tight, but we are looking at opportunities to
21 save costs, to make sure that we're being good
22 stewards of taxpayer dollars. And so, that was
23 our big-ticket item that also was taking place

1 during our legislative session.

2 There were several pieces of legislation
3 enacted for IDEM issues, including our agency
4 priority bill, so that was Senate Enrolled
5 Act 459, which dealt primarily with water
6 cybersecurity, where we've had some threats from
7 hostile actors for some of our smaller water
8 systems, making sure we have baseline
9 cybersecurity protections in place that will
10 ultimately protect public health if Russian
11 hackers or somebody else tried to -- tried to
12 take advantage of some of those water treatment
13 and other water systems throughout the state.
14 So, we're working very closely and already
15 starting to implement that law, working with
16 local governments, working with those utilities,
17 as well as with the Indiana Office of Technology.

18 That bill also provided authority to this
19 Board to potentially set future standards for
20 water reuse, which may be a critical issue. This
21 is one that we've been looking at under one of
22 Gov. Braun's executive orders. There's also some
23 related legislation around interbasin transfers,

1 how we do a better job of coordinated planning.
2 We have a lot of water in Indiana. It's not
3 always where we need it to be, but making sure we
4 have a good inventory, regional studies that our
5 Indiana Finance Authority is taking advantage of.

6 So, that may be something we're coming
7 back to talk to you about in the not-too-distant
8 future as we work through our interagency process
9 to -- over the next 18 months or so that will
10 report back to the Governor's Office and the
11 legislature.

12 There was also legislation enacted around
13 our Confined Feeding Operation Permitting
14 program, the frequency of inspections,
15 legislation around air quality in Northwest
16 Indiana to ask us to think outside the box about
17 emissions reductions and tools for regulatory
18 relief for the portions of Lake and Porter
19 Counties in the Chicagoland area that have been
20 in nonattainment for the Ozone National Ambient
21 Air Quality Standards for many years.

22 But we think there's an opportunity, with
23 a fresh set of eyes, with new information we have

1 about the source of some of those emissions, with
2 opportunities we have, including with rulemakings
3 today, that will lead to emissions reductions in
4 the area, about how we get that area out of
5 nonattainment, and hopefully, you know, to avoid
6 those attendant impacts with inspection and
7 maintenance programs, stationary source
8 requirements, new source review nonattainment
9 requirements that sometimes can inhibit growth in
10 those areas. So, it's a challenge to us at IDEM
11 to report back to the legislature later this year
12 about some creative ideas, also working with U.S.
13 EPA.

14 And then legislation on continued interest
15 in PFAS and other virgin contaminants, several
16 bills that were introduced, a few related
17 provisions that were enacted in unrelated bills,
18 but I think the continued interest obviously here
19 and in other state capitals around the country
20 around forever chemicals and how to communicate
21 risk and how regulatory agencies can face that
22 challenge. And so, I think, a lot of the things
23 that we'll likely be revisiting in the future,

1 future sessions, but wanted to just give you a
2 quick update on that one.

3 And then two other topics I wanted to just
4 flag for you in the future, one being we have a
5 lot of executive orders. So, Gov. Braun has
6 issued, I think, 65 executive orders up to this
7 point, and President Trump still has the lead
8 against him, he has a few more, but a lot of
9 direction for us.

10 And that extends to a lot of agency
11 activities, things like getting our employees
12 back to the office come July 1st, a lot around
13 efficiency, making sure that all of our agencies
14 are up to speed when it comes to transparency and
15 making sure we're permitting in a transparent
16 way, that folks know when and how quickly we turn
17 around a permit or an inspection report, things
18 that IDEM, I think, does really well. So, we're
19 excited to have the opportunity to toot our own
20 horn a little bit.

21 And then a lot of executive orders around
22 the need to coordinate better with other
23 agencies, to think about budget discipline, and

1 to review many of our regulations and prepare for
2 the future. So, there's specific executive
3 orders on things like advanced nuclear, the need
4 to plan for the potential energy source of the
5 future at IDEM and the IURC, the Indiana Utility
6 Regulatory Commission, as well as other agencies
7 with an interest in those issues. That's a lot
8 in our vertical.

9 Some directives around, as I mentioned,
10 statewide water planning, natural gas and coal
11 inventories, make sure we know about the
12 infrastructure and production capabilities that
13 exist, and have a sense of how long those
14 facilities that are currently operating and
15 providing our electricity are going to keep
16 running.

17 Directives around things like rare earth
18 recovery potentially from reclaimed coal lands,
19 and a few other topics that I think are
20 challenges for us. They're new issues for IDEM
21 and ones we're very excited to be participating
22 in, helping to plan to make sure that we're a
23 destination for those investments and that we're

1 outcompeting other states in our region and
2 around the country.

3 We also have a lot of directives around
4 reviewing our regulations and making sure that
5 we're meeting the moment. So, there's several
6 different executive orders, some of which are
7 specific to energy and environmental matters,
8 some are more general.

9 But one thing that we did that I wanted to
10 make sure to flag for this group is: A week and
11 a half ago, we announced a 30-day comment period
12 prompted by one specific executive order,
13 although there's about six that have kind of
14 related provisions.

15 So, this is one related to ensuring that
16 we don't have excessive environmental regulation,
17 and it asks us to report several times this year,
18 once on July 1st, and then on a couple of other
19 matters in October and December, to the
20 Governor's Office and, I think, the Legislative
21 Council, on state regulations that are unduly
22 burdensome, that are not grounded in the best law
23 or the best available science, or that are not

1 environmentally beneficial.

2 And so, we started kicking around some
3 ideas. A lot of -- as you all know, a lot of
4 IDEM's rules emanate from federal requirements or
5 federal environmental laws and ultimately are,
6 you know, determined to be incorporating kind of
7 U.S. EPA standards that were no more stringent
8 than them, hopefully were less burdensome than
9 their standards.

10 We do have a few programs that the General
11 Assembly has authorized us to run that are a
12 little bit different from how EPA does it, things
13 like confined feeding operations and our isolated
14 wetlands statute, but it's a challenge for us.
15 You know, we're a regulatory agency, we're not
16 always in deregulatory mode, so we wanted to open
17 up that process and ask the public for their
18 feedback.

19 So, folks in the public have the
20 opportunity to provide comments in writing to us
21 by June 30th to an e-mail address that we have
22 prominently on the IDEM Web site at
23 efficiency@idem.in.gov. And so, we'll be taking

1 those comments.

2 And there are similar executive orders
3 that I think folks -- it would be great for them
4 to take a look at, while we don't have the same
5 reporting requirements, things like an executive
6 order that asks us to identify unnecessary
7 barriers to environmentally beneficial projects
8 in conservation, so ideas that may move in many
9 different directions, but where we can be working
10 smarter and not creating unnecessary red tape.

11 So, we're very excited to get feedback on
12 that topic, and I wanted to flag it for you all
13 because I think, one, obviously you all and the
14 public that's participating in this meeting, we
15 want to make sure to spread the word on this and
16 get as much feedback from diverse perspectives
17 throughout the state as possible.

18 Secondly, I think if we are looking to
19 revisit any of our existing regulations, we're
20 obviously going to be coming to this Board.
21 You're all playing a very important role there.
22 And so, I think one thing we're hoping to do is
23 take all of those comments -- we've already

1 gotten a couple of dozen in e-mail form, and some
2 real spirited suggestions and great ideas -- and
3 we're going to package those and sort them, and
4 then come back to you and say, "Hey, what do you
5 think?"

6 And so, that's the process we're
7 following, and I think other agencies have been
8 talking about maybe having them do something
9 similar for some of their related executive
10 orders. We think it's a great opportunity to
11 crowd source those ideas, to provide that
12 feedback, to hopefully set an agenda for us.

13 And frankly, I think it has also
14 supercharged us, thinking about maybe the
15 secondary questions those orders don't ask of us,
16 like "Okay. If we have a completely irrational
17 state regulation but we can blame it on EPA or
18 blame it on Congress because they did something
19 in federal law or federal regulation, what are we
20 doing about it?"

21 Obviously there's an enthusiasm at the
22 federal level right now for looking at some of
23 their existing standards for right-sizing

1 regulation, for executive orders. I mean just
2 today EPA -- kind of floodgates have opened on a
3 lot of their reconsiderations of existing rules.

4 Today the announcement was related to the
5 mercury and air toxics standards for electric
6 utilities as well as greenhouse gas standards for
7 the power sector under Section 111 of the Clean
8 Air Act, but a lot more to come. They've
9 announced a lot in that space. And so, you know,
10 I think it's an opportunity for us as well to
11 think of some ideas about how we want to be
12 advocating to our colleagues in Washington, D.C.
13 as well as our Regional Office for EPA in
14 Chicago.

15 And so, for us, it's, you know, a great
16 opportunity to get feedback to help shape those
17 actions, to help shape comments we may file on
18 federal regulations, help to set the agenda for
19 where we want to be in the future. So, I wanted
20 to flag that as one opportunity we're very
21 excited about.

22 And then I'll just mention one other one,
23 which is -- I think folks -- several folks on the

1 Board were involved in this going back years and
2 years and years, but Indiana as a great success
3 story that I get called about just about every
4 week by someone else who runs a different state
5 environmental agency, and it's related to the
6 changes that we have undertaken in the structure
7 of our Title V air permitting fees. This was a
8 legislation passed in 2023.

9 Like I say, every week -- we just talked
10 to the Ohio EPA Director last week in a meeting
11 we had with our senior managers, and they said,
12 "We are copying literally word for word from your
13 playbook in Indiana, because you successfully
14 changed the structure of your base fees, which
15 is, in and of itself, a success story."

16 So, under the Clean Air Act, state
17 agencies like ours were permitting, and the fees
18 were based upon how much emissions you had, and
19 because we've reduced emissions so dramatically
20 since 1990 and going back to the 1970's there was
21 less money coming in and not enough to administer
22 the program.

23 And so, working with this Board, working

1 with the General Assembly, working with the
2 regulated community and environmental
3 organizations and otherwise, we were able to work
4 through a legislative solution that resulted in
5 the signing of the law by Gov. Holcomb in
6 late 2023. So, we want to seize on that success,
7 and there are some specific provisions in
8 Section 13 of the Indiana Code that asks this
9 Board to regulatory -- regularly review our
10 various permit fees and look at potentially
11 adjusting them.

12 Now, there's limited authority to make big
13 changes, so I think it's limited to a certain
14 percentage and every ten years, and other than
15 that, we have to go to the General Assembly. But
16 I think, for us, it's a great opportunity, given
17 some of our state financial challenges in terms
18 of the revenue shortfall, given some of the
19 federal uncertainty about those core categorical
20 grants that do fund IDEM programs.

21 One thing we do have -- potentially have
22 control over is, you know, what you pay to get an
23 NPDES permit, whether that's an application fee

1 or an annual fee, things like tipping fees, where
2 Indiana is much, much, much lower in terms of
3 disposal to landfills than surrounding states.

4 And so, we would love to come back to you
5 with a little bit of back to the inflow math --
6 we've got some reports we've kind of contracted
7 out in the past that we draw from -- and present
8 to you what we think about how much it costs to
9 administer some of those programs and get the
10 Board's insights that may ultimately inform your
11 actions or the General Assembly's actions in this
12 space, to make sure that we have programs that
13 have the revenue they need to make sure we're
14 serving Hoosier customers, that we're protecting
15 the environment, that we're efficiently
16 permitting.

17 And so, it's an area that will be a
18 challenge, and we want to make sure to speak
19 openly with all stakeholders about it. I haven't
20 had -- there's a few members of the General
21 Assembly that still aren't crazy about our
22 Title V fees. They call them taxes, and, well,
23 to some degree, they're absolutely right, and we

1 are very cognizant that it may be a challenge for
2 us. It might maybe take a little bit longer.

3 We hope to come back to you at a future
4 meeting on this issue with a little bit more
5 analysis to help seek your advice on what we need
6 to do on those dedicated funds and maybe
7 opportunities we have to ensure that we have the
8 certainty of the revenues to keep IDEM running
9 and keep serving Hoosiers in some of those key
10 air, land and water quality programs.

11 So, those are the only things I was hoping
12 to share with you all. I know we have a very
13 important rulemaking today, and a lot of interest
14 from the public in weighing in on our NOx RACT
15 Rule, and I'll leave it to the team.

16 But I wanted to thank the Board, thank our
17 staff, and thanks to the Rules Development
18 Board -- the Rules Development Section and Karla
19 and Billie and our new General Counsel, Bill
20 Anthony, who I don't think was here at the last
21 meeting, but has joined us from the Office of the
22 Attorney General.

23 The rule writers that helped on the

1 program, in this case, the Office of Air Quality,
2 they do a lot of work ahead of these meetings to
3 prepare these rules and rule packages, and I
4 really appreciate you all. We take a look at
5 them, provide our feedback, listen to the
6 public's concerns as we move through this
7 process.

8 But I really appreciate everybody's time
9 and continued help that you provide us in this
10 critical path of making sure our regulations fit
11 the moment. And with that, I'll stop unless --
12 I'm happy to answer any questions if any members
13 of the Board may have them.

14 CHAIRMAN GRAHAM: Yeah, you did cover
15 a lot of ground pretty quickly there, so why
16 don't we open it up and just ask the Board
17 members whether they have any questions or
18 comment on that?

19 I'm going to start with one, because I
20 didn't realize that the Federal Government was a
21 funder of IDEM. Can -- and you said it was a
22 small amount. Can you quantify that a little
23 bit? And how much is it at risk with what's

1 happening now in Washington? A lot of the
2 agencies are experiencing big cuts in their
3 federal support.

4 COMM. WOODS: Great question. I'll
5 maybe make a couple of additional comments about
6 our federal counterparts, because I think there's
7 some challenges and opportunities that we face
8 right now.

9 So, a couple of different things that are
10 happening in D.C. There is the F -- Fiscal
11 Year 2026 appropriations process, by which
12 federal agencies and grants and everything else
13 that the federal government does are funded
14 through the next fiscal year.

15 That is currently starting the process in
16 the House, and what partially informs that is the
17 President's budget request. So, about a month
18 ago, the President issued an FY '26 skinny budget
19 request that substantially reduced EPA dollars
20 overall. Really, the bulk of those cuts were in
21 state and tribal assistance grants, which is a
22 broad category.

23 It includes a lot of programs that are

1 supposed to be authorized by Congress under the
2 Clean Air Act, where hundreds of billions of
3 dollars are dedicated in future fiscal years to
4 states like ours for formula, because they're
5 distributed to carry out a lot of our core
6 responsibilities in terms of permitting and
7 compliance and enforcement, development of air --
8 Title V and other permit programs, the Safe
9 Drinking Water Act, Clean Water Act, RCRA,
10 substantial state grants.

11 Now, I will say that those programs, if
12 you look over the last 20 years or so, have been
13 virtually flat-funded every year, despite many
14 new administrations, as you may imagine, whether
15 it's the Bush Administration, the Trump
16 Administration, the Obama Administration, the
17 Biden Administration.

18 Each of them have had different ideas on
19 how that these state grants are a good
20 opportunity to make it look like they're reducing
21 spending, knowing that Congress will restore that
22 money, and that has been the trend over the
23 last 20 years as those dollars have generally

1 been restored.

2 I think that's likely to happen, based
3 upon some of the early budget hearings. Having
4 said that, we also want to make sure to advocate
5 for the value of those dollars; right? Those are
6 taxpayer dollars that came from Hoosiers, and we
7 think being reinvested in the state agencies that
8 have the primary responsibility for virtually all
9 activities under most of the air, land and water
10 statutes is a good investment.

11 There's also efforts under the
12 reconciliation process, the so called "Big
13 Beautiful Bill," that would impact some specific
14 grant programs, mostly under the Inflation
15 Reduction Act and a few other recently enacted
16 legislation that would affect some grants, some
17 of which IDEM or Indiana may be affected by, but
18 less significantly.

19 So, we're working very closely with
20 intergovernmental organizations like the
21 Environmental Council of States. We also have
22 air, land and water state agents -- state agency
23 representatives that are trying to advocate. I

1 think in the coming weeks the House
2 Appropriations Committee will be telling the
3 world what they think the budget should be
4 for EPA and ultimately those dollars that get
5 passed through to agencies like ours.

6 So, it's a challenge, but I also think, if
7 we're betting on at least the last 20 years of
8 track record, we'll probably end up with the same
9 or slightly less money, and not the significant,
10 close to 80-plus percent reduction in some of
11 these grant programs that have been proposed in
12 the President's budget.

13 The only thing I'll just maybe mention is
14 there's also a number of other options, so the
15 executive orders, EPA reconsiderations, there's
16 some activity under the Congressional Review Act,
17 where several rules have recently been just
18 approved by Congress and, I think, will likely be
19 signed into law by the President in the near
20 future that affect environmental matters.

21 And then we have a lot on the personnel
22 side. So, this morning I spent some time up in
23 Lafayette, where we had an announcement of a

1 two-million-dollar Brownfield grant from
2 U.S. EPA. So, this is more of a kind of return
3 to regular business, to help redevelop an area
4 near the Wabash River, turn it into an oceanfront
5 park.

6 It used to be a riverfront park, but it
7 used to be a paperboard facility for the better
8 part of the century and the land was contaminated
9 with PCB's and dioxin and other toxins, and to
10 fund that cleanup and ultimately converting that
11 land into a productive use in Lafayette.

12 So, we were very excited to have U.S. EPA
13 and our new Regional Administrator, her name is
14 Anne Vogel, she's out of the Chicago Office.
15 She's one of ten Regional Administrators who've
16 been installed in ten Regional EPA Offices, and
17 that's a very quick pace to get folks in those
18 roles.

19 But we're really excited. It helps to
20 make sure we have a partner who's looking out for
21 our region, someone we can talk to, obviously
22 someone who's willing to come to Indiana and
23 then, in this case, provide some resources to

1 invest in land quality.

2 So, lots of other personnel changes, some
3 similar Senate-confirmed positions that are being
4 confirmed, positive priorities coming from
5 Administrator Zeldin around key pillars, as well
6 as some deregulatory and regulatory priorities
7 that his administration's undertaking.

8 So, I think a lot happening in that space,
9 but I do think the grant certainty is one that's
10 a -- is a concern for us that we're watching very
11 closely, communicating with our Congressional
12 delegation, and we'd love to give you all some
13 updates in like a month from now. We'll have a
14 much better picture.

15 I do think, as the dust settles, we'll
16 probably end up in not an ideal place in terms of
17 environmental investments as a country, but
18 probably pretty close to where we've been in the
19 past is what is our best guess as to where these
20 things wind up, but we're definitely taking every
21 opportunity, whether that's EPA to the White
22 House to the Congressional delegation as
23 appropriate.

1 CHAIRMAN GRAHAM: Thank you for that
2 answer.

3 Other members have questions?

4 (No response.)

5 CHAIRMAN GRAHAM: Okay. So, now we
6 go to Billie Franklin for the rulemaking report.

7 MS. FRANKLIN: Good afternoon. My
8 name is Billie Franklin. I am the Section Chief
9 over Rules Development within the Office of Legal
10 Counsel.

11 There are a couple of items I want to
12 bring to your attention. First off, I wanted to
13 let you know that we made a slight change in the
14 NO_x RACT draft rule that sits in front of you.
15 You will find the corrected -- I'm sorry. You
16 will find the corrected version in front of you.
17 We made corrections based on LSA administrative
18 style guideline, and we had to correct
19 preferences for what we use for time. We had to
20 use a figure versus writing those out, so it's a
21 very minor change to those that would have been
22 changed by LSA anyhow.

23 The other quick item that I wanted to give

1 you a heads-up on, Karla will be sending an
2 e-mail to you, asking you your preference on how
3 you receive your Board packet going forward.
4 Would you prefer to receive a hard copy as usual,
5 or would you prefer an electronic copy? When you
6 do receive that e-mail, I'd appreciate it if you
7 could let her know as soon as possible prior to
8 our next meeting.

9 Currently, we have our next Board meeting
10 scheduled for -- tentatively scheduled for
11 August 13th, and that at that next meeting we
12 anticipate presenting NO_x RACT for final adoption,
13 and we are also planning on having Lead and
14 Copper ready for final adoption.

15 That is all I have, if anyone has any
16 questions.

17 MS. KOZYRSKI: I do. The CCR
18 rulemaking, is that not anticipated to be --

19 MS. FRANKLIN: Not at this time. We
20 are still reviewing some of the comments and
21 making some changes there.

22 MS. KOZYRSKI: Thank you.

23 MS. FRANKLIN: Also, Kevin will be --

1 Would you like to go ahead and make your
2 announcement?

3 MR. BUMP: Sure. Let me back up
4 here. I apologize. Thank you.

5 Good afternoon to those attending the
6 meeting on-line. All participants will be muted
7 when they join the meeting, but participants will
8 be able to address the Board during the Open
9 Forum portion of the meeting, towards the end.
10 We do ask that you identify yourself when
11 speaking. Participants must only send chat
12 messages to the host.

13 For those joining us via Teams, or if you
14 have a question or a technical issue during the
15 meeting, please use the raised hand or chat
16 feature. To access the raised hand or chat
17 feature, at the top of your screen, depending on
18 your device, you'll see a menu bar, and you may
19 have to touch your screen for that menu bar to
20 pop up on your mobile device.

21 At the beginning of that menu, there is a
22 chat icon, which you can click on to show the
23 chat dialogue box. You should see the raised

1 hand option also. Please utilize the raised hand
2 or chat features if you have any questions or
3 comments, and you'll be called upon at the
4 appropriate time.

5 If any members of the media have joined us
6 via Teams, please utilize the chat feature, or
7 e-mail media@idem.in.gov if you have any
8 questions.

9 For those also in the room today, I would
10 remind the Board members to please speak up so
11 that everyone attending the meeting on-line are
12 able to hear. And for those who may be answering
13 questions in today's meeting, please repeat those
14 questions prior to providing your response.

15 I will now return the meeting back over to
16 Mr. Chair.

17 CHAIRMAN GRAHAM: Thank you so much
18 for that guidance. We appreciate it.

19 Also, as a reminder, if you wish to
20 testify in today's hearings, please fill out a
21 comment card and give it to Karla Kindrick at the
22 sign-in table.

23 The rule being considered at today's

1 meeting were [sic] included in the Board packets
2 and are available for public inspection at the
3 Office of Legal Counsel, 13th floor, Indiana
4 Government Center North. The entire Board packet
5 is also available on IDEM's Web site at least one
6 week prior to each Board meeting.

7 A written transcript of today's meeting
8 will be made. The transcript and any written
9 submissions will be open for public inspection at
10 the Office of Legal Counsel. A copy of the
11 transcript will be posted on the Rules page of
12 the agency Web site when it becomes available.

13 I'd now like to turn to the swearing in of
14 the court reporter. Will the official reporter
15 for the cause please stand, raise your right hand
16 and state your name?

17 (Reporter sworn.)

18 CHAIRMAN GRAHAM: Thank you, sir. I
19 appreciate it.

20 Okay. We'll turn to the public hearing
21 portion on preliminary adoption of the NO_x RACT
22 Rule. This is a public hearing of the
23 Environmental Rules Board of the State of Indiana

1 concerning the preliminary adoption of the NO_x --
2 I believe that's nitrogen oxides -- RACT -- I
3 believe that's Reasonably Achievable Control
4 Technology -- Rule.

5 And I will now introduce Exhibit A, the
6 proposed rule, into the record of the hearing,
7 and Keelyn Walsh will present the rule.

8 MS. WALSH: Good afternoon, members
9 of the Board. My name is Keelyn Walsh, and I'm a
10 rule writer with the Rules Development Section of
11 the Office of Legal Counsel.

12 And the rulemaking currently under
13 consideration with you today is federally
14 required under the Clean Air Act. In
15 October 2022, U.S. EPA changed the nonattainment
16 status for the Chicago area, which includes the
17 northern portions of Lake and Porter Counties in
18 Indiana, from marginal to moderate nonattainment
19 for the 2015 8-hour ozone NAAQS.

20 The Clean Air Act requires states with
21 moderate nonattainment areas to implement
22 reasonably available control technologies, or
23 RACT, for nitrogen oxides or, NO_x, gases. The

1 Clean Air Act requires NO_x RACT to be applied to
2 sources that have the potential to emit 100 tons
3 of any pollutant per year. NO_x gases are most
4 often produced during the combustion of fossil
5 fuels and are precursor emissions to ozone.

6 In October 2023, U.S. EPA determined that
7 Indiana failed to submit NO_x RACT for major
8 sources in the Chicago area, which encompasses
9 the northern townships of Lake and Porter
10 Counties. U.S. EPA requires that IDEM make this
11 SIP submission within 18 months of November 17th,
12 2023.

13 If IDEM fails to amend the SIP by this
14 deadline U.S. EPA will impose what is known as an
15 "offset sanction" that requires a two-to-one
16 ratio of emission reductions to be achieved
17 within the nonattainment area to offset emissions
18 from new or modified major facilities. If the
19 SIP is not appropriately amended within the six
20 months of the offset sanction, then U.S. EPA will
21 impose highway sanctions, which would withhold an
22 average of 183.7 million dollars annually in
23 federal transportation funding from Lake and

1 Porter Counties.

2 In response to this situation, IDEM began
3 consulting with every major stationary source in
4 the affected region. In general, IDEM relied on
5 affected sources to conduct their own analysis of
6 RACT using this cost-effectiveness threshold
7 of \$5,000 per ton to \$14,000 per ton of NO_x
8 reduced, which is the most conservative threshold
9 approved by U.S. EPA. Those studies were
10 provided to IDEM in mid-2024, and the agency
11 relied on them to determine RACT -- to determine
12 RACT limits for the units assessed.

13 Ultimately, only two affected sources
14 would be required to apply new controls under the
15 draft rule: W.R. Grace and Cleveland Cliffs.
16 W.R. Grace already planned to replace the burners
17 for its sodium silicate furnace and this draft
18 rule would simply accelerate this timeline by
19 less than one year.

20 Cleveland Cliffs Indiana Harbor would be
21 required to install low NO_x burners -- oh, sorry,
22 yeah -- low NO_x burners for one of its boilers.
23 It should be noted that Cleveland Cliffs does not

1 oppose this requirement because the affected
2 boiler is part of the iron production plant
3 that's been idle for over a decade and may be
4 require -- or retired because it is not essential
5 to Cleveland Cliff's operations.

6 Overall, this rulemaking puts in place an
7 enforceable mechanism that will satisfy
8 U.S. EPA's requirements and prevent the
9 imposition of highway sanctions. The rule would
10 impose RACT requirements for NO_x emissions from
11 major stationary sources in the northern counties
12 of Lake and Porter Counties. The RACT
13 requirement on all sources fall within a \$5,000
14 to \$14,000 per ton of NO_x reduced cost threshold
15 and, therefore, only two sources are required to
16 implement new control technologies.

17 And then regarding the rulemaking process,
18 during the first notice of comment period, IDEM
19 received a number of comments and questions from
20 the regulated community seeking further
21 clarification, and these have been resolved with
22 no major changes to the rule language. IDEM has
23 also been consulting with U.S. EPA throughout the

1 development of the first notice to ensure
2 consistency with federal requirements and to
3 ensure approval of this rule into the State
4 Implementation Plan.

5 Finally, a request was submitted by
6 environmental organizations around the state for
7 IDEM to provide the opportunity to review the
8 technical support documents that are required to
9 be included in the SIP submission for this rule.
10 These documents are not typically made available
11 for public review prior to a SIP submission
12 because they are not finalized until after the
13 conclusion of the underlying rulemaking action.
14 However, IDEM has agreed to this request, and
15 IDEM provided a link to these documents in its
16 response to comments on the Web site.

17 Therefore, IDEM requests that the Board
18 preliminarily adopt this rule as presented, and
19 program staff or I are happy to answer any other
20 questions that you have.

21 Thank you.

22 CHAIRMAN GRAHAM: Questions from the
23 Board?

1 MR. DAVIDSON: I have one, I'm sorry.

2 Keelyn, thank you for that. The acronyms
3 go quick. I may have missed this, but I heard
4 reasonably achievable, reasonably attainable, and
5 reasonably available. Which is it: Achievable,
6 attainable, or available?

7 CHAIRMAN GRAHAM: Actually, I'm the
8 one who's created this problem, because I said
9 achievable, and my dear colleague to my right
10 corrected me and says it's available, and I think
11 our court reporter might really be interested to
12 know this. So, RACT is reasonable available
13 control technology, and I'm sure there's some
14 good lawyers who can say that those two words
15 mean solidly different things, so I'm glad that I
16 have been corrected to reasonable available
17 control technology.

18 MR. DAVIDSON: How many times can you
19 believe it?

20 (Laughter.)

21 MS. WALSH: Thank you, Mr. Chair.

22 CHAIRMAN GRAHAM: Other comments or
23 questions? Yeah, go ahead.

1 MS. KOZYRSKI: I have a question.

2 You mentioned that one of the two units
3 that would be required to install the RACT have
4 been essentially idle for ten years, so the
5 change applying to only one unit will be
6 sufficient to achieve the goals of the rule?

7 MS. WALSH: Uh-huh, yes, I do believe
8 so, unless --

9 MR. DELONEY: I didn't hear the
10 question.

11 MS. WALSH: Yeah. The lift on the
12 idle station being discounted would still -- I'm
13 sorry; can you repeat the last part of that?

14 MS. KOZYRSKI: The question was: If
15 only two units require modification and one has
16 been idle, essentially you're modifying only one
17 unit to achieve the goals of the program. I just
18 wanted to verify that that is true.

19 MS. WALSH: Yes.

20 MR. RULON: Is it also true, then,
21 that we really aren't cleaning up the air at all?
22 Is that correct, or not? Because it sounds like
23 you're not doing anything except changing the

1 paperwork. Is that true?

2 MS. WALSH: So, Scott, do you want
3 to --

4 MR. DELONEY: Sure, sure, sure.

5 Hi. My name's Scott Deloney. I'm with
6 the Office of Air Quality.

7 A couple of things to clarify. One is, is
8 that Boiler No. 8 for Cleveland Cliffs, it's the
9 iron plant side of the facility that's been idle,
10 but that unit hasn't been idle. It's still
11 providing comfort heating.

12 MS. KOZYRSKI: That's -- that's --

13 MR. DELONEY: Yeah. And the other
14 is, is the rule does establish limits for
15 existing units that are tied into the current
16 permit, so that's another way that it is going to
17 achieve reductions.

18 MR. RULON: Thank you.

19 MS. KOZYRSKI: Thank you.

20 CHAIRMAN GRAHAM: By the way, just a
21 quick clarification there. When I read the
22 document, I had the same read. I thought the
23 thing had been shut down for ten years, and I was

1 wondering to myself, "Why are they spending their
2 time writing this regulation?" Just something --
3 so, I think you may want to report -- in the
4 final, clean that up a little bit, because
5 that's --

6 MR. DELONEY: Yeah, and that unit is
7 still very important to them because they don't
8 know what the fate of their iron operation is
9 going to be, especially with developments at the
10 federal level for steel manufacturing.

11 MS. KOZYRSKI: Okay. Thank you.

12 CHAIRMAN GRAHAM: Thank you.

13 MR. DELONEY: We're continuing to
14 work closely with the source.

15 CHAIRMAN GRAHAM: Other comments?
16 Yeah.

17 MR. KETZENBERGER: A quick question,
18 and it's about the dates here.

19 MS. WALSH: Uh-huh.

20 MR. KETZENBERGER: Eight -- there
21 are 18 months from the citation for the
22 nonattainment to enactment of the rule. Have we
23 already passed that? Was November 17th, 2023 the

1 trigger date?

2 MS. WALSH: Yes, yes, we did pass
3 that.

4 MR. KETZENBERGER: Are we in the
5 period where we were for the initial sanction --

6 MS. WALSH: Yes --

7 MR. KETZENBERGER: -- two for one?

8 MS. WALSH: -- we are, yes.

9 MR. KETZENBERGER: And if we pass
10 this rule, then that will bring us into
11 compliance and avoid the highway sanctions.

12 MS. WALSH: (Nodded head yes.)

13 MR. KETZENBERGER: Okay. I just
14 wanted to make sure I understood the timeline.

15 MS. WALSH: Yes.

16 MR. KETZENBERGER: Thank you.

17 DR. ALEXANDROVICH: This is Joanne
18 Alexandrovich. I do have questions. I -- just
19 like the people also in the -- live in the room,
20 we're having really bad audio quality coming
21 through the computer. So, you may have answered
22 this question or not, so I've got -- the
23 rulemaking provides an enforceable mechanism that

1 satisfied U.S. EPA requirements. Has the
2 U.S. EPA been over that and say that's okay?

3 And then the other thing was spoken by the
4 last questioner that I don't even know who it was
5 because the audio was so bad about the offset.
6 So, we didn't pass this by May, so the offsets
7 are already in place, and when will -- if that's
8 true, when will the offsets be removed? Is that
9 a nonattainment question? I'm going to have to
10 read the transcript to hear the answers, because
11 the audio is just awful. Sorry.

12 MS. WALSH: I'm sorry about that.
13 I'll try to speak clearly. In regard to your
14 first question, yes, program staff have been
15 working diligently with U.S. EPA throughout the
16 course of the development of the rule, so they
17 are up to speed and in on the approval process
18 thus far for the rule.

19 In regard to the second question, yes,
20 it's true that we are currently in the initial
21 sanction period for the emissions, but provided
22 that we approve the rule by the deadline stated
23 therein, then we will be removed from the

1 sanctions. Sanctions will be removed. Does that
2 answer your question?

3 DR. ALEXANDROVICH: That's the offset
4 sanctions?

5 MS. WALSH: Correct.

6 CHAIRMAN GRAHAM: So, I have a
7 follow-up question on the same theme, if I may.
8 So, I presume something wasn't done right to get
9 us to the point where we're in a sanction period.
10 So, what are the lessons learned about how we
11 don't end up in this kind of situation in the
12 future? Since I might be here at future meetings
13 and I'm kind of curious what the agency has
14 learned about how they can avoid this kind of
15 problem.

16 MS. WALSH: To my knowledge, the main
17 reason for the delay in progression of this rule
18 was due to the turnover of a new administration
19 and lots of changes within the organization that
20 created a situation where, you know, things were
21 not able to be approved as quickly as we would
22 have hoped and that kind of thing. So, I think
23 that, moving forward, we can ensure that we make

1 the review of the rules a priority, especially
2 for the ones that are under a deadline like this.
3 And I don't know if there was anything else
4 program staff wanted to add, but I know that was
5 the main -- one of the main reasons.

6 MR. DELONEY: Yeah. This -- this is
7 the second time that we've been in this situation
8 with Lake and Porter Counties. The 2008 Ozone
9 Standard, the area got bumped up and we were on
10 the hook for NO_x RACT, but the area attained the
11 standard prior to being on the sanction clock.

12 So, when this happened, we watched it very
13 closely. We were conducting photochemical
14 modeling to see if we were going to attain the
15 standard in time, and then once we had failed to
16 attain, that's when we started initiating the
17 process in order to get the regulatory
18 requirements in place in order to get out from
19 under the sanction clock.

20 But we've been under the sanction clock
21 before, and we know exactly what it takes to get
22 out from under it before highway sanctions kick
23 in. And so, that's what we've been doing is

1 working backwards from November, when those
2 sanctions were kicked in, to make sure that we
3 have all of our ducks in a row to avoid it.

4 CHAIRMAN GRAHAM: Thank you.

5 MR. RULON: I just really want to
6 look, you know, Dr. Graham, at the -- I think
7 it's come before. If you look at the timeline
8 here and look at the noncompliance up there, it
9 was a hundred percent at one point. And we got
10 under the -- we met it because of COVID, because
11 all of the plants were shut down, and then we --
12 and then the economy's grown far beyond what your
13 modeling would have suggested, and so, now we're
14 out.

15 So -- and then the second part of that is
16 that it takes us about 18 to 24 months to do a
17 rulemaking statutorily. So, I think they did a
18 pretty good job given the situation, because this
19 is such a moving target. As you were saying, if
20 the economy -- if they were to make less steel,
21 we would have been in attainment; isn't that
22 right?

23 MR. DELONEY: Well, there were a

1 variety of factors, but really the one that I
2 would say was the fatal blow was 2023 ozone
3 season. That ozone season was affected adversely
4 by wildfires primarily deriving from Canada, and
5 we had more exceedence days for ozone in the
6 Chicago area in '23 than we had had in any
7 previous year since the eight-hour standard had
8 been put in place in 1997.

9 So, our fourth high for 2023 was extremely
10 high, and even though our fourth high values for
11 the year before and the year after were actually
12 below the standard, '23 is what's weighting that.
13 And so, our wait-and-see didn't play out the
14 way 2020 -- with 2023 ending up the way that it
15 did. That was the primary factor, and it really
16 wasn't anything associated with emissions
17 deriving from the Greater Chicago area; it really
18 was from forest fire smoke that blanketed the
19 Upper Midwest most of the summer during 2023.

20 MR. RULON: Thank you.

21 CHAIRMAN GRAHAM: Thank you for the
22 background. That's very helpful. Other
23 comments? Yeah, we have one.

1 MR. KETZENBERGER: A quick question
2 about -- we're anticipating that this rule and
3 the actions taken by the committees will reduce
4 the levels, but we've heard that they are not the
5 sole reasons why this can sometimes be out of
6 attainment. What happens if we don't see the
7 reductions necessary, and what is -- what is our
8 course of action going forward?

9 MR. DELONEY: In the grand scheme,
10 this regulatory action, it's going to decrease
11 the net emissions for the Greater Chicago area by
12 less than one percent. Right now, our
13 forecasting is showing that that is going to make
14 a very, very small blip with regard to future
15 ozone concentrations.

16 So, what's going to be more important for
17 us is what drives ozone in the Greater Chicago
18 area, and that is mobile sources, and primarily
19 from Northeast Illinois, not necessarily
20 Northwest Indiana. What happens is, is that
21 emissions work their way over Lake Michigan. As
22 the sunlight, you know, works and helps with the
23 formation of ozone, you get a Lake breeze and it

1 pushes back and hits the monitors closest to the
2 water.

3 So, Michigan City is a good example, where
4 we've traditionally had, you know, high readings
5 in Michigan City because of its proximity to the
6 Lake late in the afternoon. The wind comes out
7 of the north, the monitor gets hit. The same
8 thing happens in Southeast Wisconsin and
9 Northeast Illinois, so --

10 MR. KETZENBERGER: And that's
11 understandable and makes sense, but we still
12 suffer the consequence of nonattainment if that's
13 the case; right?

14 MR. DELONEY: That is -- that is
15 correct. And right now what we are doing, and I
16 think it's probably good background for the Board
17 to understand, is we're addressing requirements
18 associated with a bump up to a moderate
19 classification. Most recently, EPA has actually
20 reclassified the area and bumped it up again to
21 serious, and we're looking at a threshold of
22 sources that are over a hundred tons per year
23 right now of NO_x. The threshold that we have to

1 address for serious is at 50.

2 So, as Comm. Woods mentioned earlier,
3 Senate Bill 103 does require the agency to take a
4 closer look at the ozone problem in Northwest
5 Indiana and explore other avenues for being able
6 to address the attainment problem, particularly
7 the issues that are beyond our control --

8 MR. KETZENBERGER: Thank you.

9 MR. DELONEY: -- so that we're not
10 responsible for having to do this over and over
11 and over again, because right now we don't have
12 any type of forecast that shows this area is
13 going to be able to attain the standard within
14 the next five years.

15 CHAIRMAN GRAHAM: Very useful
16 background, sobering as it is.

17 Other comments, questions?

18 (No response.)

19 CHAIRMAN GRAHAM: Okay. Now, do we
20 have public speakers? Do we have speakers cards?

21 MS. KINDRICK: Yes, sir.

22 CHAIRMAN GRAHAM: Oh, my gosh, you're
23 going to make me pronounce these names? I'm

1 quite prudent that's not my strong suit.

2 (Laughter.)

3 MS. KINDRICK: Kind of pull the mike
4 up to you, because they're having a hard time
5 hearing us.

6 CHAIRMAN GRAHAM: So, this mike,
7 you're saying, is not close enough?

8 MS. KINDRICK: Just letting you guys
9 know.

10 CHAIRMAN GRAHAM: Okay.

11 So, Allen Halline is first, representing
12 Just Transition NWI and GARD.

13 DR. HALLINE: You pronounced that
14 perfectly. Good afternoon, everyone. My name is
15 Allen Halline. I'm a retired physician living in
16 Ogden Dunes, and just from the outset, I have to
17 say the medical field was full of acronyms, but
18 you guys blow it away --

19 (Laughter.)

20 DR. HALLINE: -- with your acronyms.

21 I've been living in Ogden Dunes for some
22 time, a small community in Porter County on the
23 shores of Lake Michigan, nestled in between the

1 three largest primary integrated steel mills in
2 this country. Cleveland Cliffs Burns Harbor is
3 about a mile to my east, Cleveland Cliffs Indiana
4 Harbor and Gary Works, U.S. Steel is a few miles
5 to the west of me. Every day I watch massive
6 plumes of smoke coming from these smokestacks,
7 and on many days when I look out across the Lake,
8 I see a brown rim of haze on the horizon.

9 About a half mile from my home is an EPA
10 monitoring station, one of 39 EPA monitoring
11 stations that you keep track of and report from.
12 Ozone data from this monitor and the one in
13 Michigan City shows the highest number of
14 nonattainment three-year design value periods for
15 ozone in all of Indiana.

16 And there's a reason for this.
17 Ground-level ozone is a breakdown product of
18 nitrogen dioxide. Our steel mills are the top
19 three stationary emitters of nitrogen oxides in
20 Lake and Porter County, no. 1, no. 2 and no. 3,
21 and among the top emitters in the whole State of
22 Indiana. We're talking about a hundred tons?
23 Well, together, these three steel mills emit over

1 13,000 tons of nitrogen oxides each year and rank
2 among the highest nitrogen oxide emitters per ton
3 of steel produced in this entire country.

4 There is a solution IDEM has yet to fully
5 address. By converting from antiquated blast
6 furnaces and basic oxygen furnaces to the future
7 of green steel production using direct reduced
8 iron and electric arc furnaces, you could make
9 profound reductions in the release of nitrogen
10 oxides as well as most of the other harmful
11 pollutants and greenhouse gases coming from these
12 mills.

13 As a physician who has witnessed the
14 adverse health effects stemming from air
15 pollution, I felt it was my duty to speak out.
16 There are thousands of scientific publications
17 dealing with the health effects of air pollution.
18 Air pollutants can permeate the deep portions of
19 our lungs, cross the alveolar membrane and enter
20 the bloodstream, where they can pass through the
21 body, and they affect every organ in the body.

22 We know air pollution contributes to the
23 development of asthma, emphysema, lung cancer,

1 increases the risk for heart attacks, cardiac
2 arrhythmias, heart failure, strokes, and sudden
3 cardiac death, but did you know air pollution
4 injures the brain and the central nervous system,
5 and is now recognized as a risk factor for many
6 neurologic diseases such as Alzheimer's,
7 Parkinson's, autism, delayed intellectual
8 development?

9 Air pollution alters the immune system.
10 It's linked now to several autoimmune diseases,
11 such as rheumatoid arthritis, systemic lupus,
12 inflammatory bowel disease, multiple sclerosis,
13 Type-1 diabetes. Blast furnaces release many
14 carcinogenic substances which cause DNA
15 mutations, increasing the risk for cancer. It's
16 well recognized, in addition to lung cancer, air
17 pollution is now associated with an increased
18 risk for cancers of the breast, uterus, ovary,
19 colon, pancreas, thyroid, prostate, brain, as
20 well as leukemia.

21 My point is that air pollution is more
22 than just elevated ozone levels and bad air
23 quality days. Air pollution from our steel mills

1 has a profound impact on the lives and welfare of
2 all Hoosiers. I worry that IDEM's goal is to
3 regulate a few small polluters, but is ignoring
4 the elephant in the room: Our blast furnaces. I
5 implore you to be bold in your recommendations
6 and to make profound and lasting changes to
7 improve the health and living standards for all
8 people in Indiana.

9 Such a transition would certainly be
10 costly up front. I know that. But the annual
11 cost of the adverse health effects, now estimated
12 in the billions of dollars each year, cannot be
13 ignored.

14 Cleveland Cliffs is already switching over
15 to direct reduced iron, DRI, at their Middletown,
16 Ohio plant, so why can't that happen here in
17 Indiana? IDEM's proposed NO_x RACT submission
18 makes no mention of this proven steel-making
19 technology. DRI is being implemented around the
20 world, and is the future of steelmaking.

21 I humbly ask you to amend your RACT
22 submission to address this less-polluting steel
23 manufacturing process through direct reduced iron

1 using green hydrogen produced from renewable
2 energy sources. This will keep Indiana's
3 steelmaking competitive well into the future, and
4 markedly improve the health of Hoosiers.

5 Thank you for your time.

6 CHAIRMAN GRAHAM: Thank you, sir.

7 Questions, comments from the Board?

8 (No response.)

9 CHAIRMAN GRAHAM: Thank you very
10 much.

11 DR. HALLINE: Okay. Thank you.

12 CHAIRMAN GRAHAM: Next, we have Mike
13 Oles, from Mighty Earth.

14 MR. OLES: Good afternoon, members of
15 the Board. Hello. My name is Mike Oles. I am
16 the Indiana Director of Mighty Earth. As a
17 lifelong Hoosier, I grew up around Indiana, a
18 couple of folks.

19 I am proud that Indiana is the leading
20 steel producer in the United States, but nearly
21 40 percent of our nation's steel comes from our
22 three Lake Michigan blast furnaces. At Mighty
23 Earth, we are building the conversation and the

1 movement to save the Indiana steel industry, to
2 create more good union jobs, and to clean up the
3 air. Yes, it can be done. We can do this, but
4 we need to challenge Cleveland Cliffs and the
5 next version of U.S. Steel to move their plants
6 in Indiana towards sustainable steel production.

7 As someone who grew up in Central Indiana,
8 you make a journey a few hours to Lake and Porter
9 County, you can feel -- just feel how different
10 the air is in Lake and Porter County, especially
11 the further north you go. The residents of Lake
12 and Porter County, they have helped make Indiana
13 an industrial powerhouse. The hard work and
14 sacrifice of these communities have created good
15 union jobs in one of the main economic sectors of
16 our state.

17 But Northwest Indiana's air is dirty, and
18 we have a decision to make as a state government
19 and as a population and as Hoosiers. Just last
20 night, just last night, CBS news ran the story,
21 this was the headline, "The Human Cost of
22 Pollution in Gary, Indiana." "The Human Cost of
23 Pollution in Gary, Indiana." I'm still mad at

1 Gary, Indiana, because back in 1993 they beat
2 Brownsburg in the State Semifinals with Glenn
3 Robinson. We took them down to the wire. But
4 "The Human Cost of Pollution in Gary, Indiana."

5 Gary, Indiana is home to three steel
6 minimums and one of America's largest black
7 populations. It also has some of the dirtiest
8 air in the country, and residents who have been
9 breathing it say they feel neglected and
10 overlooked, and CBS runs the story. So, it's an
11 open secret how bad the air -- it's no longer an
12 open secret how bad the air is in Northwest
13 Indiana. Pollution is bad for people, bad for
14 Hoosiers.

15 The roughly million residents of Lake and
16 Porter County are currently paying a -- too much
17 of a high price for outdated technology and I
18 would say corporate greed. Half of the biggest
19 nitrogen oxide polluters covered in IDEM's plan
20 are steel related. We cannot solve this problem,
21 this noncompliance, without holding our steel
22 mills accountable.

23 Gary Works, Indiana Harbor, Burns Harbor.

1 These plants are all still using old coke-based
2 blast furnaces, which we now know are amongst
3 dirtiest methods for producing steel. But even
4 more said -- we'll get to that in a second -- you
5 know, we're falling behind, as other plants that
6 still use this outdated dirty technology have
7 lower NO_x emissions. NO_x emissions per thousand
8 tons of iron in 2020, Burns Harbor, 1.96.

9 Sorry, Doctor. I think you live within a
10 mile of Burns Harbor.

11 Indiana Harbor, .76 tons, Gary Works, .68
12 tons. Now, if we go down I-70 up to Pittsburgh,
13 at the Edgar Thomson plant in Pennsylvania, it's
14 only .13 times, so not only is it any pollution
15 is dangerous, right, but think about this: If
16 you live next to Burns Harbor, 1.96 per thousand
17 tons, and -- and yeah, at Edgar Thomson in
18 Pennsylvania, .13. This shows how inefficient
19 and polluting Indiana steel facilities remain
20 compared to -- compared to even other states
21 using similar technology.

22 IDEM has a legal responsibility to
23 consider cleaner proven technologies, and that

1 does include green hydrogen and DRI. IDEM should
2 be a voice for us Hoosiers. You are our voice.
3 You are our moral voice in our community. This
4 isn't just about compliance, it's about
5 protecting our health, our environment and our
6 future while keeping Indiana's steel industry
7 strong.

8 So, I just want to say one other thing
9 about the steel industry. In Louisiana, they're
10 going to be building a new steel mill there by
11 the end of the decade. That plant is going to be
12 DRI ready. That plant will directly compete with
13 Indiana's three blast furnaces, and there's a lot
14 of -- still going to be a lot of environmental
15 issues there, but that plant could help put one
16 of our Indiana steel mills out of business
17 producing cleaner, cheaper steel. So, this is an
18 economic threat if we do not hold these plants
19 accountable and make them -- make them safer and
20 cleaner.

21 We do not need to choose between jobs and
22 clean air. As I've already said, there are real
23 examples here. Cleveland Cliffs, down in

1 Middletown, just an hour and a half down the
2 road, they're switching to DRI. That change will
3 dramatically cut pollution, it'll create new
4 union jobs, and it'll save the company money.

5 So, let's use these rules and let's
6 finalize these rules as a way to make Indiana
7 stronger, better, safer and cleaner. We can save
8 our steel industry by holding Cleveland Cliffs
9 and the next version of U.S. Steel to a higher
10 standard, where our -- where our people in
11 Northwest Indiana do not have to suffer. So,
12 please -- please make this happen, please make
13 stronger rules, and let's clean up our air and
14 make Indiana strong from the Ohio River up to
15 Lake Michigan.

16 Thank you so much.

17 CHAIRMAN GRAHAM: Thank you, sir.

18 Any comments or questions from the Board?

19 (No response.)

20 CHAIRMAN GRAHAM: Okay. We
21 appreciate that you commented, sir.

22 Anyone else have comments?

23 MS. THOMAS: I do.

1 CHAIRMAN GRAHAM: Yes.

2 MS. THOMAS: May I approach the
3 podium? My apologies. I submitted a card.

4 My name is Susan Thomas. I'm the Director
5 of Press and Policy for Just Transition Northwest
6 Indiana. I live in Porter County, home to some
7 of the highest NO_x emitters in the state and
8 nation, where the American Lung Association just
9 awarded Lake and Porter Counties an F grade for
10 air quality.

11 Frankly, I'm stunned that this meeting is
12 occurring three hours away from the epicenter of
13 this issue at a time when most working folks
14 impacted by NO_x will be unable to testify. This
15 is really adding insult to injury with an unjust
16 situation.

17 IDEM, you've held many meetings in the
18 Northwest Indiana region in the past, during more
19 convenient hours. Perhaps the air quality there
20 has finally gotten to you as well. And if you
21 have not been to Northwest Indiana, I invite each
22 and every one of you to spend ten minutes outside
23 in East Chicago or Gary on a regular day and see

1 how you feel.

2 It is no surprise that these counties are
3 out of compliance with healthy air standards.
4 Those of us who live there experience it
5 firsthand every day. CBS News televised an
6 extended report on the terrible air quality in
7 Gary, featuring an inspiring woman who had to
8 learn how to speak again after multiple bouts
9 with cancer. She said to the reporter, "I
10 matter."

11 I have colleagues in Whiting dealing with
12 unidentified autoimmune issues, another in East
13 Chicago who's had multiple reproductive system
14 cancers before she even turned 50, and another
15 whose teenaged son is a gifted athlete but must
16 curtail sports activities that could possibly
17 lead to scholarships because of asthma. Everyone
18 knows many people dealing with health issues.

19 Science and simple common sense point to a
20 key contributing factor: The pollution in our
21 air, water and soil from industries now
22 anonymously, anonymously, applying for pollution
23 exemptions so they can poison us even more.

1 Currently we do not have enough adequate
2 air monitoring in these impacted communities, and
3 I will add, they are mostly black, brown, and low
4 income. And in this rule, industry is given a
5 free pass to operate with antiquated technologies
6 comparable to driving a Model T down the highway.
7 You can't drive a Model T down the highway
8 because it's not safe.

9 Neither are these industries that still
10 use outdated, high-polluting, coke-based blast
11 furnaces. They must be modernized. IDEM must
12 insist upon it, with technology already being
13 used in other states and other countries, proven
14 innovations, such as direct reduced technology
15 from sustainable sources like wind and solar
16 power and green hydrogen. This is the future.

17 It will take time, but we are at a turning
18 point and must act now to begin this process in
19 order to future-proof jobs, jobs that built this
20 nation that we are extremely proud of in
21 Illinois. You can't toss a -- or in Indiana.
22 You cannot toss a pebble in any of the three
23 counties that I work in without hearing family

1 histories, immigration histories, of folks that
2 came here for a better life, to work in the steel
3 mills. And they got them at a cost.

4 And we are very proud of what those union
5 workers did in our country. We must future-proof
6 jobs and help the communities. We can and must
7 do both. On all of these fronts, indeed, we
8 matter.

9 Thank you very much.

10 CHAIRMAN GRAHAM: And thank you.

11 Any questions or comments from the Board?

12 (No response.)

13 CHAIRMAN GRAHAM: Any other comments?

14 MR. BUMP: We have a speaker card --

15 UNIDENTIFIED SPEAKER: I have a
16 comment.

17 MR. BUMP: -- that was filled in --

18 CHAIRMAN GRAHAM: Pardon?

19 MR. BUMP: We have a speaker card
20 that was filled in on-line for Hilary Lewis.

21 MS. LEWIS: I have -- Wanda Torres
22 was before me, so I'd like Wanda to go first.
23 She's on-line.

1 MS. TORRES: Yes. My name is Wanda
2 Torres. I live directly across the street from
3 the steel mill. I'm the one they've been talking
4 about that's black, low income.

5 My car every day, every day, is full of
6 soot. I do work for the Child Protection Agency,
7 and I will tell my parents, "Don't smoke around
8 them kids. Quit smoking in the car with them
9 kids. Look at the windows. That smoke that you
10 see on your windows, that smoke gets in the
11 children's lungs." Well, our government is doing
12 us the same way. I've been living here almost 56
13 years. I never knew that the steel mill was this
14 big of a problem from the beginning, how big a
15 problem it is.

16 Now, my father worked for the steel mill
17 in the '70's, then he was laid off in the '80's.
18 We became very poor. We could not -- we couldn't
19 eat. We had to go to pantries, government
20 cheese, all of that kind of stuff. And when they
21 bring the jobs back, because he was -- when they
22 bring the jobs back, he was rehired again or
23 whatever they did. He was back on the job again,

1 and his health started to fail him with all of
2 the black soot all over his suit, all in his
3 nose, and he said it's from the coke plant. He
4 was -- my mother wouldn't even allow his clothes
5 in his house because that's how dirty he was, and
6 that's how nasty those clothes was.

7 We -- once again, they brought them back
8 to work at the steel mill. All he was thinking
9 about is making money for our family. Then all
10 of the sudden our children started developing
11 asthma, another one was getting mental
12 retardation.

13 Then all of the sudden in the '70's they
14 told my mother that they had lead in the walls,
15 and they said they were going to get the paint,
16 to get all of the lead out of the walls,
17 whatever, not knowing that the steel mills,
18 they're doing the same things. Lead is still
19 coming out of there. Then we wonder why the kids
20 have got ADHD, ADD. I worked with the children's
21 program fifteen and a half years, working in
22 Gary, and I've seen so many children with ADD,
23 ADHD, asthma, and we wonder why. Addiction. I'm

1 a drug addiction counselor. Addiction.

2 And then you say, "Well, the steel mill is
3 work for us." Okay. If you have addiction, if
4 you have a mental health issue, ain't no steel
5 mill going to hire you. They drug test you all
6 of the time. Ain't nobody going to hire you, so
7 who's benefitting? We're not.

8 People from a different area come into
9 Gary, they work there, and then they go back into
10 their area. But when you come into Gary, you
11 smell that egg smell, stinky smell. We don't
12 know we've got it until we actually leave out, go
13 visit, and then come back, and we're like, "Oh,
14 my goodness, what is that?"

15 I'm looking at the steel mill right now
16 before me. Smoke comes out of the stack,
17 especially at night. Stuff coming out there is
18 like a whole island of soot. And I've been
19 watching that for the last 56 years. You ask me,
20 "Why don't you move like those other people
21 moved?" Well, this is my place, this is my home,
22 this is my land.

23 Why can't you, or people, understand that

1 you're killing us unless, you saying, "We can --
2 they'll work. Hey, they're black, low income, no
3 problem." Well, who's going to fix this problem?
4 We say, "We have to do something." Make it at
5 least halfway -- how do I say it? -- halfway safe
6 for us, you know.

7 So, this is all -- and one day, just like
8 we started off now, people are going to continue
9 to recognize this, and you're going to get the
10 right person to recognize it to the point where
11 there's going to have to be compensation coming,
12 and that's what's coming up next, compensation,
13 because our children are running around here with
14 asthma, ADHD, ADD, drug addiction.

15 And I'm in Gary. I'm a street advocate.
16 I can see this stuff. Who's to say it was not
17 that lead, which they told us in the '70's that
18 lead causes all of these issues. Now lead is
19 coming out -- and they gave us paint to paint our
20 house, to strip the paint down, get rid of that
21 lead. We've got lead in our house, lead paint in
22 our house, and now all of the sudden we've got
23 lead coming out of these pipes.

1 So, I'm just saying somewhere, somewhere
2 down the line justice is coming. And I'm a woman
3 of God, and I've been praying, and a lot of us
4 have been praying. Justice is coming.
5 Somebody's going to get up in there, and we're
6 not going to be called the -- we're not going to
7 be called the poor black people and low-income
8 people. We're going to have a voice. We are --
9 that voice is going to be so powerful that
10 something's going to have to happen.

11 So, I'm just saying, "Can we start this
12 process now so we don't get bit in the butt
13 later?"

14 Thank you.

15 CHAIRMAN GRAHAM: Thank you for your
16 comment.

17 Are there other comments?

18 MR. BUMP: We have Hilary Lewis also.

19 CHAIRMAN GRAHAM: Oh, Hilary also?
20 Very good.

21 MS. LEWIS: Hi. Thank you, and I
22 thank Wanda for that really powerful comment. I
23 think I want to uplift from Wanda's comment and

1 bring the importance of how intersectional this
2 issue is and how, by addressing the NO_x pollution,
3 you can help alleviate a number of different
4 pollutants associated with coal-based steelmaking
5 in Northwest Indiana.

6 So, let me just start at the beginning.
7 My name is Hilary Lewis. I'm the Steel Director
8 at Industrious Labs. We're an advocacy group
9 focused on cleaning up heavy industry. My role
10 is specifically focused on steel, and that's
11 really relevant today, because, as a number of
12 the commenters have already mentioned, a big
13 source of pollution in Northwest Indiana for NO_x
14 and a whole host of alkaline pollutants are the
15 coal-based steel mills.

16 And also, as mentioned by Allen and some
17 of the other commenters, there are solutions
18 available. So, we've had a discussion already
19 about what is RACT, reasonably available control
20 technology. We haven't -- coal-based steelmaking
21 is not the future, and it's not even current.
22 There are already three direct reduced iron
23 facilities in the United States, one of which is

1 operated by Cleveland Cliffs, one of the two
2 steelmakers in Northwest.

3 So, I wanted to highlight some of the
4 health harms that have already been explained,
5 but there's some additional numbers that we've
6 modeled based on the Coburn Model from the
7 Environmental Protection Agency.

8 (Extraneous noise.)

9 MS. LEWIS: Can you still hear me?
10 Can you hear?

11 CHAIRMAN GRAHAM: Yeah, there is some
12 interference. Do we know what's causing it?

13 MR. BUMP: Yeah, I'm getting it.

14 MS. LEWIS: It looks like there might
15 be some other folks on-line who aren't on mute.
16 Oh, fixed. Okay.

17 So, our modeling using the Coburn Model
18 from the Environmental Protection Agency and
19 self-reported data from the three steel mills and
20 the coke plant in Northwest Indiana looked at a
21 number of different pollutants, including NO_x, but
22 not limited to NO_x, and modeled some of the health
23 impacts, and what we found is really shocking.

1 Annually we found that these facilities
2 contribute to over 500 deaths, premature deaths.
3 They also contribute to over 145,000 cases of
4 asthma symptoms, and in a range between 3.9
5 and 7.6 billion dollars of health costs. These
6 are tangible outcomes, very real outcomes for
7 folks living in Northwest Indiana and across the
8 country from the pollution coming out of these
9 facilities.

10 And there is good news. The good news is
11 that we have technology available today that can
12 help reduce this pollution and other associated
13 pollutants that are harming health and the
14 climate. So, I really want to emphasize to the
15 community that there's a lot of opportunity to
16 clean up steelmaking in Northwest Indiana, help
17 it to be not only in compliance with existing
18 laws, but protect public health and improve the
19 economy, and I just wanted to emphasize that. I
20 also wanted to agree with all of the previous
21 comments and uplift the individual health harms
22 that have been highlighted already today.

23 Thank you.

1 CHAIRMAN GRAHAM: Thank you very
2 much.

3 Do we have other comments?

4 MR. BUMP: Yes. We have Terry
5 Steagall.

6 CHAIRMAN GRAHAM: Okay.

7 MR. BUMP: Terry, if you'd like to go
8 ahead and unmute yourself, you may be able to
9 speak.

10 MR. STEAGALL: Can you hear me okay?

11 MS. KOZYRSKI: Yes.

12 MR. BUMP: Yes.

13 CHAIRMAN GRAHAM: Yes, we can hear
14 you.

15 MR. STEAGALL: Okay. Thank you.
16 Yes, I want to testify today. My name is Terry
17 Steagall, S t e a g a l l. I live at 8577
18 Kleinman Road in Highland, Indiana, and Kleinman
19 is K l e i n m a n. Also I've been -- I'm a
20 retired steelworker. I spent 41 years working in
21 the steel mill, starting at Inland Steel, which
22 is now Cleveland Cliffs.

23 I grew up in Hammond, about two blocks

1 down from the Grand Calumet River and the Hammond
2 Sanitary District, and I know what pollution is
3 like, that it goes into our waterways, too,
4 because the Grand Calumet was one of those
5 water -- bodies of water that are the 14 waters
6 of concern that they've been spending money hand
7 over foot to clean up.

8 I went to work at Inland Steel, and our
9 shop was about a hundred feet away from the
10 Indiana Harbor Ship Canal, one of the most
11 polluted entities in Northwest Indiana as far as
12 waterways, and driving to work every day to
13 Inland Steel when I first started there, you
14 could see a -- basically it was an orange haze
15 along the Lakefront from all of the pollution.

16 And there was concern when I first started
17 there about all of the pollution, and they were
18 doing some things to try to clean it up, but, you
19 know, you can only do so much with a blast
20 furnace. And people that worked in the mill back
21 then, they'd go home in their cars. You'd have
22 iron ore dust all over your car by the time you
23 got home, so -- and the workers, there was a lot

1 of exposure that they had -- were exposed to that
2 they weren't given the proper protection during
3 that time either.

4 So, this is, as I said, a serious concern
5 you need to take seriously, and the direction
6 that -- basically that EPA and IDEM have taken
7 here recently is not a means to solve our
8 problem. How we're going to solve that problem
9 is we're going have to look to renewable energy.
10 And we also have a problem with renewable energy
11 because we have these things called data centers
12 that want to come in and take all of our energy.

13 And here's where the steel industry should
14 have a priority over data centers as far as being
15 able to -- approval for renewable energy for the
16 steel mills. We've been here over a hundred
17 years, and we want to get -- we want another
18 hundred years, but we've got to do it in a
19 different way with new technology.

20 And that renewable energy's important,
21 because we need that renewable energy for green
22 hydrogen, and we need the green hydrogen to feed
23 the blast furnace, so at least -- or I should say

1 the blast furnace so we can feed the direct
2 reduction iron furnace so that the emissions are
3 a lot less, almost to nothing, when we go to
4 direct reduction iron furnaces and eliminate the
5 blast furnaces.

6 And then we also are going to need some
7 more power for those electric arc furnaces, and
8 we can accomplish this. We've reached the point
9 where now we're all -- we're at the point where
10 we have sustainable green steel, so we know we
11 have a steel that is steel of the future.

12 And you need to take a hard look at this,
13 because if you don't look hard enough, Gary Works
14 is going to want a death sentence, I guess you
15 could say, because, you know, they've made
16 comments about rebuilding the blast furnace, but
17 that's not the solution. The solution is the
18 direct reduction iron furnace.

19 And the reason they're going to rebuild
20 the blast furnace, it's where they have their pig
21 iron billet caster there. And they take the pig
22 iron from Gary, Indiana and they take it down to
23 the Big River plant in Arkansas to feed the

1 electric arc furnaces so they can make quality
2 steel. But eventually, Big River's going to get
3 those direct reduction iron furnaces.

4 So, we need to make sure these steel -- or
5 Nippon and U.S. Steel are looking to the future,
6 and we have to demand the future here in
7 Northwest Indiana, one that's a clean sustainable
8 steel that keeps our jobs and our communities
9 safe. And if we don't start looking in that
10 direction, you know, you're going to have a
11 vacant steel mill 15 or 20 years down the road
12 that's about 4,000 acres that will be all
13 polluted. So, we need to take a different
14 direction on that and start demanding what the
15 standard should be as far as steelmaking.

16 And we need to get EPA and IDEM to start
17 taking a serious look at this and not look the
18 other way, because this has been the problem over
19 many, many years. EPA and IDEM have looked the
20 other way, and the picture's not pretty right
21 now. People are getting sick over this. And,
22 you know, you can't -- you know, at some point,
23 you know, you've got to quit poisoning the air,

1 the land, the water, and the people. And this is
2 how we do it, by looking into new technology to
3 be put in Northwest Indiana.

4 And so, I don't want anybody to say they
5 don't understand, because if you need to sit down
6 and have a longer conversation about it, we can
7 do it, and we'll get you some experts to come and
8 discuss it with you so you clearly understand it,
9 and what we need to do to survive in the state,
10 the community, and be successful for the future.
11 But it's going to take people working together on
12 the same objective instead of dodging the bullet
13 all of the time to where we get nothing done.

14 So, we're looking for you to take a
15 different direction on how we're going to have
16 our future steel industry, because if we don't,
17 we're not going to have a steel industry, you
18 know, and basically you're going to create the
19 shutdown plan for the steel industry in Northwest
20 Indiana.

21 And if you look at your tax base, where
22 does a big portion of your taxes come from?
23 Northwest Indiana. You eliminate the steel mills

1 out of Northwest Indiana, you have a big problem
2 tax-wise. It's the state economy, plus we've got
3 a big problem that we haven't secured jobs for
4 the future and our future children and
5 grandchildren.

6 And we haven't saved the Mother Earth
7 either. You know, Mother Earth has been telling
8 us for a long time, "It's the environment,
9 stupid." Let's do something about it. But we've
10 got to listen. We're not listening. We just
11 keep polluting.

12 And these legal limits are crazy, okay,
13 because we shouldn't have legal limits. You
14 know, we need to do things to where we start
15 eliminating the legal limits and doing things to
16 where we have zero pollution coming out of these
17 industries. And we can get to the point where
18 we're almost there, you know, with the air
19 pollution as one, and the water discharge as the
20 other one.

21 Because I always tell people, "You know
22 what's most important in Northwest Indiana? It's
23 that Big Blue out there they call Lake Michigan."

1 And we need to protect it, and we're not doing a
2 good job, because for 125 years we've done a damn
3 good job of polluting it, and it needs to stop.

4 And it needs to stop through the agencies
5 that create the rules that allow these
6 discharges, whether it be the air or water, into
7 our atmosphere and our waterways. So, we need
8 your help. We need you to take this serious, and
9 we need you to take a hard look at it to make
10 sure we sustain ourselves and we start protecting
11 people.

12 And I think you listened to the lady
13 before that lives close to the steel mill.
14 There's a lot of things that happened over the
15 years that we didn't realize the impact of what
16 happened with lead poisoning. And that was found
17 in the community of East Chicago here, where they
18 poisoned a whole community from the '70's until
19 they shut it down in about 2014. And that was
20 the lead contamination. So -- and the health
21 effects on children from zero to five years old
22 during that period, basically you've already
23 disabled them. They have a disability, because

1 you disabled their ability to learn in the
2 future.

3 So, we have to take this serious, and we
4 have to do what's right for the community, for
5 the state, for the world. So, please reconsider
6 how you're looking at developing these standards
7 for pollution.

8 Thank you.

9 CHAIRMAN GRAHAM: Thank you, sir.

10 MR. BUMP: And then we have Susie --

11 MR. STEAGALL: Any questions?

12 CHAIRMAN GRAHAM: Any questions from
13 the Board?

14 (No response.)

15 CHAIRMAN GRAHAM: I think we have
16 Susie next; right?

17 MR. BUMP: Yes, Susie Talevski.

18 MR. STEAGALL: No questions?

19 MS. TALEVSKI: Hello. Can you hear
20 me?

21 MR. STEAGALL: Yes, I can hear you.

22 MS. TALEVSKI: Okay. I'm not even
23 sure which one I'm talking through. I have the

1 teleprompter on, I have the screen on the
2 computer, I have it on the phone. It's very
3 difficult to hear.

4 CHAIRMAN GRAHAM: We can hear you.

5 MS. TALEVSKI: Okay. Am I on?

6 CHAIRMAN GRAHAM: Yes.

7 MS. TALEVSKI: Okay. Great.

8 My name's Susie Talevski. I live in
9 Northwest Indiana, specifically in Valparaiso,
10 but I was born in Gary, Indiana.

11 My dad was a steelworker for nearly 30
12 years. I am obviously a big supporter of United
13 Steelworkers, and I realize how important the
14 steel industry is to Northwest Indiana. But it's
15 time to modernize. It's time for the steel
16 industry to become very environmentally
17 conscious, and we need IDEM to propose very
18 strong regulations and hold the steel industry to
19 those regulations.

20 So, I'm going to start off talking about
21 the steel industry's disproportionate role in the
22 nitrous oxide emissions. Half of the facilities
23 covered by source specific limits in IDEM's

1 proposed nitrogen oxide rules are steel related:
2 U.S. Steel Gary Works, Cleveland Cliffs Indiana
3 Harbor, Indiana Harbor Coke, and Cleveland Cliffs
4 Burns Harbor.

5 These facilities rely on outdated,
6 high-polluting, coke-based blast furnace
7 technology. These are among the highest nitrous
8 oxide emitters per ton of steel in the U.S., and
9 they're nos. 3, 7, 8 and 18 for nitrogen oxide
10 pollution among all industrial polluters in the
11 state.

12 IDEM must consider cleaner proven
13 technologies. IDEM's R A C T, RACT,
14 determination must address modern, less polluting
15 alternatives like directed reduction iron, which
16 is known as DRI, using green hydrogen made with
17 renewable electricity. This technology is
18 commercially viable, and it's already being
19 adopted, including by Cleveland Cliffs in the
20 Middletown, Ohio plant.

21 The real world evidence supports
22 transition. Cleveland Cliffs Middletown Works is
23 converting to DRI, expecting the following:

1 Significant nitrogen oxide and SO₂ reductions,
2 operating cost reductions of \$150 per ton,
3 creation of 170 permanent union jobs. Converting
4 to DRI-EAF also avoids up four hundred million in
5 blast furnace maintenance costs required in 15 to
6 20 years, while vastly improving public health.

7 Indiana facilities lag behind on pollution
8 control. Examples: Nitrogen oxide emissions per
9 ton -- per thousand tons of iron, that's in 2020.
10 So, this is Burns Harbor, 1.96 tons; Indiana
11 Harbor, .76 tons; Gary Works, .68 tons. Now,
12 compare that with Edgar Thomas -- I'm sorry --
13 Edgar Thomson in Pennsylvania, which is 1.3 tons.
14 This shows how inefficient and polluting
15 Indiana's steel facilities remain compared to the
16 peers using the same technology. Transition will
17 improve public health and the environment.

18 Coal-based steelmaking in Indiana
19 contributes up to an estimated 514 premature
20 deaths, over 145,000 cases of asthma symptoms,
21 and 3.9 to 7.6 billion in health costs annually.
22 Gary, Indiana residents are in the top ten
23 percent nationally at risk for asthma and reduced

1 life expectancy.

2 Clean steel technology would also reduce
3 water use, climate emissions, and improve air
4 quality for nearby communities. The Clean Air
5 Act requires R A C T, RACT, to reflect the latest
6 available control technologies and strategies.
7 The proposed nitrogen oxide RACT rules fail to
8 meet this standard by more ignoring cleaner iron
9 and steel production pathways already in use or
10 planned elsewhere in the United States. IDEM
11 must include green hydrogen, DRI-EAF in its RACT
12 analysis to comply with ozone SIP and regional
13 haze obligations.

14 So, I'm calling on all of the IDEM
15 officials here that you must revise the nitrogen
16 oxide RACT rules to include clean, modern
17 steelmaking technologies. Transitioning steel
18 production in Northwest Indiana is not only
19 feasible it's necessary to protect the public
20 health, the environment, and the regulatory
21 integrity.

22 I would also like to say that it would be
23 wonderful if next time IDEM could actually have

1 this hearing here in Northwest Indiana. I'd have
2 to say the audio has been a little difficult
3 today, and obviously there's not as many of you
4 there, and it'd be easy for you guys to come on
5 up to Northwest Indiana and hear in person from
6 the people of Northwest Indiana, and in
7 particular, the people of East Chicago, Gary, and
8 the Burns Harbor area.

9 As you know, the steel industry here in
10 Northwest Indiana is the number one producers of
11 steel in the country. We are a powerhouse
12 economically of Indiana. This is the economic
13 engine of Indiana.

14 But it's equally important for the
15 environment to be protected, especially since we
16 have one of the premier national parks in the
17 country right along -- along the Lake Michigan
18 shore, which is, of course, the Indiana Dunes
19 National Park. This national park is now among
20 one of the most visited national parks in the
21 country, so we're getting massive amounts of
22 tourists coming here to visit this national park.

23 Tourism, of course, is the number one

1 industry in the entire world. We want to make
2 sure that The Dunes, which are an ecological
3 wonder, are protected for generations to come.
4 In addition, of course, we want the tourism to
5 continue and to increase and -- because we get a
6 financial boost from that.

7 The other thing, of course, that is the
8 most important, of course, is the health and
9 safety and well being of the people of Northwest
10 Indiana. The steel industry is, of course,
11 the -- one of the primary employers here. You
12 could go back a hundred years. I think Inland
13 Steel started in 1901. Gary Works U.S. Steel
14 started in 1906.

15 So, if you come here to Northwest Indiana
16 and you talk to the people, my guess is nearly
17 every person you talk to is going to have some
18 connection, whether directly or indirectly, to
19 the steel industry. It's very important to our
20 survival, but equally, now there are
21 technologies, modern technologies, that can be
22 put into place to protect the health and safety
23 and welfare of the people of Northwest Indiana.

1 IDEM is uniquely in charge of this. Your
2 dedication and your devotion should be to the
3 health and safety of the people and, of course,
4 the environment, not to corporations or to
5 industry. This -- the steel industry makes
6 massive amounts of profit. They are truly a big
7 economic producer and moneymaker. This is not
8 going to cost them, you know, something where
9 it's unsustainable. They can certainly pay for
10 this technology.

11 But it's up to all of you as regulators to
12 make sure they come into compliance with this.
13 So, I urge you to -- when you submit your plan to
14 the EPA, that it has all of the modern technology
15 available to reduce the nitrogen oxide polluters
16 here in Northwest Indiana.

17 The other -- another thing you have to be
18 aware is if you don't pay for this now, in the
19 long-term, you will pay for it in how sick people
20 get. And I can tell you, at least my dad, who
21 was in the steel industry for nearly 30 years, he
22 ended up suffering from Dementia, and I'm pretty
23 sure that was from his years working in the

1 polluted steel industry.

2 But I've looked at many of the other
3 co-workers that he worked with, and nearly all of
4 them have suffered some sort of neurological
5 problems, whether it be Dementia or Parkinson's
6 or other types of neurological diseases. And I
7 mean this is not an accident. I think this is
8 all commonality here, as they worked in the steel
9 industry.

10 So, do you want to pay for it at the back
11 end with people being disabled and having high
12 health costs, or do you want to make sure that
13 the steel industry advances technologically in a
14 way to protect their employees and to protect the
15 people in these neighboring communities, and to
16 protect the environment?

17 So, I think Indiana, by the way, can be
18 one of the premier states in the entire country,
19 but we only are going to achieve that by having a
20 clean state, a state that cares for its people,
21 and a state that, of course, attracts economic
22 development, but in a sustainable fashion that
23 does not sacrifice the environment and the health

1 and safety of the people.

2 So, I'm really encouraging all of you to,
3 you know, turn on the heat to the steel industry,
4 make sure that these regulations were passed, and
5 that the E -- and that you enforce them. So, I
6 really appreciate your time, and please, again,
7 come on up to Northwest Indiana next time. We'll
8 throw on some lunch for you; all right?

9 CHAIRMAN GRAHAM: Thank you very
10 much.

11 MS. TALEVSKI: Thank you.

12 CHAIRMAN GRAHAM: We appreciate that.

13 Do we have another speaker?

14 MR. BUMP: Yes. We have Connie
15 Wach --

16 MR. RULON: Can I ask a question?
17 How many more? We got the talking point, guys.
18 We got the talking points. We get it. We
19 understand it's a dirty industry. This rule is
20 not about that. This rule is about meeting
21 attainment for the standards that are required by
22 EPA at this time.

23 So, I know it's a dirty industry. My wife

1 has that mess. She grew up in Michigan City.
2 Trust me, I get it, but -- and everybody can
3 talk, but in the past, Mr. Chairman, we've gone
4 to three minutes for people that are going to
5 speak. That's been a standard.

6 So, anyway, I appreciate what they're
7 saying. They're making great points, but that's
8 not what this rule is about. We've got -- we've
9 got to address their points, but I would hope
10 that our new Commissioner will take these
11 comments seriously, because they are for real,
12 but that's not what this rule is about that's in
13 front of us.

14 So, I'm sorry.

15 CHAIRMAN GRAHAM: No, that's a very
16 fair comment.

17 Can we go on to the other speaker?

18 MR. BUMP: Yeah. And we have just
19 the one, one last here, as far as the other one.

20 Connie Wachala?

21 (No response.)

22 MR. BUMP: Connie Wachala, are you
23 there with us? You can unmute yourself to

1 provide your comment.

2 MS. WACHALA: Oh, all right. I think
3 I did unmute finally. Do you hear me?

4 CHAIRMAN GRAHAM: Yes, we can hear
5 you.

6 MS. WACHALA: Thank you.

7 I fully appreciate the man who just spoke
8 whose wife was from Michigan City and, you know,
9 says he understands fully the health effects, but
10 that is the condition -- experience that we have
11 up here. I hope that you will open your ears and
12 your minds and your hearts to hear us, because
13 although I realize that what you're saying is
14 that's not what you're here for to hear in this
15 public hearing, that is the most important thing
16 that we are dealing with.

17 So, again, let me tell you my background.
18 My name is Connie Wachala, last name spelled
19 W a c h a l a, and I'm a third-generation
20 resident of the Calumet region of Northwest
21 Indiana. I'm a retired writer and a writing
22 instructor, and I now coordinate and help
23 organize sustainability groups in my community of

1 Highland and the bigger Northwest Indiana area.

2 All four of my grandparents came here from
3 Poland in the early 1900's to work in the mills
4 and the related industries. I grew up in East
5 Chicago, about a mile from Inland Steel, and the
6 effects of the mill are found in my relatives'
7 bodies, those who worked in the mill and those
8 who didn't.

9 So, my son was 21 when he was diagnosed
10 with cancer. My -- he survives. My grandson
11 died when he was four of cancer. Again, to
12 protect our public health and our families'
13 health in Lake and Porter Counties, I'm asking
14 IDEM to strengthen your plan to reduce NO_x
15 emissions by including the clean technology for
16 the steelmaking progress -- process.

17 The steel industry in our state provides
18 jobs. Of course, we need those jobs, but we
19 cannot sacrifice our health. These are matters
20 of life and death and quality of life. We know
21 that the industry can do better, because it's
22 done it before, by implementing safety rules, by
23 scrubbing air emissions, and we know that

1 industry pollution with NO_x holds consequences for
2 us, and I would hope that that's what IDEM, as a
3 regulatory body, is for, to protect public
4 health.

5 The EPA has ranked Lake County as the
6 third highest polluted county in the nation, and
7 the steel plants, of course, as we know, are the
8 highest polluters of NO_x in the state. Those
9 three mills -- Gary Works, Indiana Harbor, Burns
10 Harbor -- still use those old coal-based blast
11 furnaces, the hundred-year-old technology, the
12 dirtiest ways of making steel.

13 We know NO_x results in illness and reduced
14 quality of life for so many of us, but it doesn't
15 have to be so. As other people have pointed out,
16 Cleveland Cliffs in Middletown, Ohio switched
17 from coal-based blast furnaces to direct reduced
18 iron furnaces, went with green hydrogen made with
19 renewable energy, and the air pollution was
20 drastically cut. And because the blast furnaces
21 don't have to be relined, an expensive process,
22 that change could even save the company money.

23 The steel mills up here continue to use

1 outdated methods of making steel and ignore the
2 new technology of direct reduced iron used in
3 other states. I don't have the legal
4 responsibility to consider cleaner proven
5 technologies. I'm asking you to protect our
6 health, to protect our environment, to protect
7 our future.

8 Let us keep the steel industry here and
9 make it stronger by helping them use cleaner,
10 newer technology. We, as the residents of
11 Northwest Indiana, the State of Indiana, deserve
12 that much. I'm so sorry. I apologize that you
13 have to hear all of the facts once again, but I'm
14 kind of hoping that you understand that that's
15 what you have to hear from us.

16 Thank you.

17 CHAIRMAN GRAHAM: Thank you for your
18 comment. Any other comments?

19 (No response.)

20 CHAIRMAN GRAHAM: Okay. That
21 concludes the public hearing portion. We now
22 move to the Board consideration on preliminary
23 adoption of the NO_x RACT Rule, and is there any

1 Board discussion of the rule itself before we
2 turn to the vote?

3 MS. BROWN: Hi. This is Jaime Brown.

4 I think, given the comments that we've
5 just heard and your comments, Mr. Rulon, would
6 IDEM be willing to explain to us -- we've heard
7 about the blast furnaces today. We've talked
8 about what RACT is. We heard that it's not what
9 this rule is about. Can we have some explanation
10 of that, please?

11 MR. DELONEY: Scott Deloney, with the
12 Office of Air Quality again.

13 Our focus, when we initiated this
14 particular rulemaking, was on the underlying
15 federal requirement. And so, in addition to
16 that, we looked at what our regulatory authority
17 is at the state level, and then the way that RACT
18 is addressed is all based on precedent. So, you
19 look at states that have developed SIP's to
20 address NO_x RACT.

21 Every time one of those SIP's gets
22 approved, it's establishing a precedent. The
23 most recent precedent that's been established in

1 approving a RACT SIP was actually submitted by
2 the State of Ohio. So, when we developed our
3 presumptive limits and determined control
4 technology that was available for applying on
5 existing units, we relied heavily on Ohio's rule.
6 So, the changes that you heard about that are
7 taking place at Middletown, Ohio, those aren't as
8 a result of implementing RACT.

9 Costs associated with those would be well
10 in excess of what our \$5,000-per-ton threshold
11 is. It's -- that is actually resulting where
12 you're removing a unit, you're replacing that
13 unit, you're changing the process. Our focus is
14 on looking at what control technology is
15 available to control the existing units and what
16 that cost is in terms of ton of NO_x reduced.

17 MS. BROWN: Thank you. I have one
18 follow-up question as well. In the information
19 we were provided in advance, it mentions only two
20 affected sources would be required to apply new
21 controls under the rule. Can you explain the two
22 versus, I believe, the 11 potential?

23 MR. DELONEY: Sure. The -- it is all

1 based on what the cost effectiveness was as a
2 result of the analysis conducted by the source
3 and then evaluated by engineers within our
4 office. And for those two units, it was
5 determined that applying additional control
6 technology to them in the form of low NO_x burners
7 and an over-fire air in one instance, that that
8 was a cost-effective option for achieving
9 additional reductions for those two units. Other
10 units were evaluated the same way, but the cost
11 of control for those would have exceeded our
12 threshold.

13 But again, as you'll note throughout the
14 rule, we are establishing presumptive limits
15 based on unit types, a variety of unit types,
16 that don't exist in terms of control limits for
17 those facilities that are outlined in the rule.
18 So, right now they have a limit that's in their
19 permit.

20 What will happen is, is as this rule moves
21 forward and is approved into Indiana's State
22 Implementation Plan, those limits get added into
23 their permit, and they are more stringent than

1 what their current requirements are. So, there's
2 two mechanisms in which NO_x emissions are being
3 controlled through this rulemaking. One is
4 through the presumptive limits, and then the
5 other is the additional control requirements.

6 MS. BROWN: Thank you.

7 MR. DELONEY: Okay.

8 MR. RULON: And the way our current
9 law works, when they do these emissions, they're
10 paying a price for the emission; right? That's
11 how they're -- when they get their permit,
12 they're paying so much for the right to emit so
13 many tons; is that correct?

14 MR. DELONEY: Well, when their permit
15 is issued, we conduct a variety of evaluations to
16 determine, you know, what's required, but yes,
17 then, you know, they have to meet the limits that
18 are in the permit, and then their reported
19 emissions does factor into what they pay in terms
20 of fees, yes.

21 And the one piece that I brought up at the
22 very beginning with regard to regulatory
23 authority, I think that that's really an

1 important issue on here, because that's how we
2 initiated our evaluation for determining what
3 RACT is, but regulatory authority is really
4 limited at the state level.

5 Too, I think an important factor is one of
6 those 64 executive orders that the Commissioner
7 brought up earlier, where we look at rule
8 development that isn't more stringent than an
9 underlying federal requirement. And in this
10 case, what's important to us from a timing
11 perspective is to turn that sanction clock off,
12 too.

13 MS. KOZYRSKI: I have a follow-up to
14 that, that the comment that you included in your
15 discussion of SEA 459, which I think maybe goes
16 to more of the broader issues here, Regional Air
17 NAAQS Review on nonattainment for the region, and
18 I just didn't -- it feels like it maybe addresses
19 some of these other comments, perhaps, if it's
20 not under this umbrella. I just wondered if IDEM
21 has developed an approach to conducting that
22 review.

23 COMM. WOODS: Yes, it was actually

1 under Senate Enrolled Act 103 --

2 MS. KOZYRSKI: Okay. I'm sorry.

3 COMM. WOODS: -- that directs us
4 to -- no, and I apologize. We were kind of
5 moving quickly and too many bills that -- I have
6 trouble keeping the numbers straight. But yes.
7 So, under that process, IDEM is currently working
8 internally and, I think, will likely be reaching
9 out to a wide variety of stakeholders. There
10 should be feedback in that process to look at,
11 you know, direction.

12 The bill's only a few paragraphs long, but
13 asks us to look at various tools in the Clean Air
14 Act to look for emissions reductions. That
15 includes voluntary and mandatory actions,
16 including things like this, but also to look for
17 some of the tools we're also starting to review
18 to address things like international transport,
19 where you can demonstrate that you would have
20 attained the NAAQS but for international
21 contributions, provisions related to exceptional
22 events, as Scott mentioned previously.

23 In 2023, for example, we had, I think, a

1 half dozen exceptional event days, where
2 exceedences ended up being the fourth highest day
3 of the three-year period were driven by Canadian
4 wildfires. We're still waiting for and hoping
5 and expecting EPA to approve those events to not
6 be held against us in terms of attainment
7 determinations in the future.

8 But we're also looking at other tools,
9 because I think ultimately everyone wants to get
10 to a place where we are in attainment below the
11 standard that EPA has set to be protective, you
12 know, of human health with an accurate margin of
13 safety, which is currently 70 parts per billion
14 for ozone.

15 And then the other complicating factor
16 here is there's some provisions in the Act about
17 if you get into attainment, you still may have to
18 install certain controls or keep certain controls
19 and in turn, also that Lake and Porter County are
20 part of a broader metropolitan area where just
21 about every monitor around Lake Michigan is in
22 nonattainment.

23 And so, we can sometimes get pulled into

1 that broader metropolitan area even if the air
2 quality at our monitoring locations in the State
3 of Indiana are below 70 parts per billion. So,
4 it's a big complicated problem, lots of
5 interesting things we have control over, but a
6 very small fraction of the contribution of that
7 70 parts per billion. Wildfires, natural
8 sources, international contributions, mobile
9 sources, as Scott --

10 MR. OLES: Steel pollution.

11 COMM. WOODS: -- mentioned -- yeah.

12 There's a wide variety of sources that we
13 wanted to look very carefully at, talk with EPA
14 about, so I do think this happens obviously
15 against the backdrop of that broader discussion
16 that I'm sure we'll probably be engaging this
17 Board and the public about over the course of the
18 year as we try to look long term about how to get
19 to those underlying issues.

20 MS. KOZYRSKI: Thank you.

21 CHAIRMAN GRAHAM: Other comments from
22 the Board?

23 (No response.)

1 CHAIRMAN GRAHAM: Okay. So, can I
2 have a motion that we should proceed to the
3 approval of the proposal?

4 (No response.)

5 CHAIRMAN GRAHAM: Do I have a motion
6 to proceed?

7 MR. BAUSMAN: So moved.

8 CHAIRMAN GRAHAM: Do I have a second?

9 MR. DAVIDSON: Second.

10 CHAIRMAN GRAHAM: All in favor, say
11 aye.

12 (Board members responded, "Aye.")

13 CHAIRMAN GRAHAM: Opposed?

14 (No response.)

15 CHAIRMAN GRAHAM: Okay. Thank you
16 very much.

17 MR. RULON: It has to be by roll
18 call.

19 CHAIRMAN GRAHAM: Oh, we have to do
20 it by roll call.

21 (Discussion off the record.)

22 CHAIRMAN GRAHAM: Okay. Now we will
23 do it roll call.

1 Mr. Green?

2 MR. GREEN: Nay.

3 CHAIRMAN GRAHAM: Mr. Rulon?

4 MR. RULON: Yea.

5 CHAIRMAN GRAHAM: Mr. Davidson?

6 MR. DAVIDSON: Yes.

7 CHAIRMAN GRAHAM: Mr. Niemiec --

8 Dr. Niemiec?

9 DR. NIEMIEC: Niemiec is still here.

10 CHAIRMAN GRAHAM: Yes.

11 DR. NIEMIEC: Yes.

12 CHAIRMAN GRAHAM: Mr. Horn?

13 MR. HORN: Yes.

14 CHAIRMAN GRAHAM: Mr. Bausman?

15 MR. BAUSMAN: Yes.

16 CHAIRMAN GRAHAM: Mr. Eckhart?

17 MR. ECKHART: Yes.

18 CHAIRMAN GRAHAM: Ms. Flittner?

19 (No response.)

20 CHAIRMAN GRAHAM: Ms. Brown?

21 MS. BROWN: Yes.

22 CHAIRMAN GRAHAM: Dr. Alexandrovich?

23 DR. ALEXANDROVICH: I vote yes, and

1 with my vote, I also recognize and thank IDEM for
2 all of the copious work they have done to get our
3 industry in compliance with the NO_x RACT
4 requirements.

5 CHAIRMAN GRAHAM: Thank you very
6 much.

7 Ms. Kozryski [sic]?

8 MS. KOZYRSKI: Yes.

9 CHAIRMAN GRAHAM: Mr. Ketzenberger?

10 MR. KETZENBERGER: Yes.

11 CHAIRMAN GRAHAM: Mr. Etzler?

12 MR. ETZLER: Yes.

13 CHAIRMAN GRAHAM: And Chair Graham is
14 a yes. So, those totals look like all yes and
15 one no; is that correct, what you heard, sir?

16 THE REPORTER: I didn't count.

17 CHAIRMAN GRAHAM: Okay. I didn't
18 count either. I just listen to what they're
19 doing, yeses and noes.

20 THE REPORTER: I got them down,
21 though.

22 CHAIRMAN GRAHAM: Thank you very
23 much.

1 Okay. So, the Board's decision is
2 favorable on the proposal. You've got some work
3 to do to get it ready and get it finalized, and
4 you want to do that promptly, because we've got
5 issues if we don't get it done promptly.

6 Okay. Other Matters. Is there anyone
7 else who wishes to address the Board today?

8 MR. RULON: Can I just say something?

9 CHAIRMAN GRAHAM: Yes.

10 MR. RULON: So, this is my last
11 meeting. I've been here 12 years, since the
12 beginning, so I'm going to be missing you guys.
13 I really loved trying to defend the environment
14 in the State of Indiana. And it's an honor to
15 represent agriculture, so it's been a -- it's a
16 real -- one of the keystones of my life to be a
17 part of this process, getting to know the people
18 at IDEM and how hard the people at IDEM work to
19 try to do the best that they can. I know it's a
20 very tough job.

21 And I -- one thing I learned the most
22 being down here that's just shocking to me is, we
23 owned a CAFO at one point, and IDEM ended up

1 being the people defending us in the court of
2 public opinion with their rigorous testing. And
3 so, I mean I think it's the thing that people
4 don't recognize necessarily that one of the
5 reasons we have such a stable industrial base in
6 Indiana is we have some good solid regulations
7 that are actually enforced, not always perfect.

8 But anyway, it's been a privilege to
9 serve, and I'm looking forward to trying to do
10 something else in the state government in the
11 future.

12 Last question before I leave: So, we're
13 going to double inspections of CAFO's. Do we
14 have the staff to do that? And if we don't, is
15 that -- if you don't get there twice, is that
16 going to be held against the farm?

17 COMM. WOODS: Yeah, great question.
18 So, the -- this is one of the other bills that
19 was enacted this year, and it was amended several
20 times over the course of the session, to make
21 sure -- I think part of the concern was how
22 quickly, after a permit is issued for a confined
23 feeding operation, an IDEM, you know, inspector

1 will be out there.

2 And so, I think the short answer is I
3 think we do have enough inspectors. I think
4 they're -- we're going to be shifting some things
5 around. There's obviously some moving ground
6 around biosecurity, making sure that we don't
7 have anybody coming to the same confined feeding
8 operation that would raise any concerns around
9 avian influenza or other pathogens.

10 So, we're working very closely with the
11 Board of Animal Health to make sure -- as well as
12 the animal agriculture industry -- to make sure
13 we can implement that law, but I think -- I think
14 we should be in good stead to get that.

15 MR. RULON: Good. Thank you.

16 CHAIRMAN GRAHAM: And thank you for
17 all of your hard work.

18 MR. RULON: Oh, it's been great.

19 DR. ALEXANDROVICH: I'd like to thank
20 Ken, too.

21 It's been great working with you and I'll
22 miss you, so I'll leave you with a big hug and a
23 best wishes for wealth and health and prosperity.

1 MR. RULON: Thank you.

2 CHAIRMAN GRAHAM: Any other comments?

3 (No response.)

4 CHAIRMAN GRAHAM: Our next meeting is
5 scheduled for August 13th, but we may have a
6 little problem with that, so stay in touch. We
7 may have to adjust that date, and we'll keep
8 everyone updated about that.

9 And on adjournment, I need a motion to
10 adjourn.

11 MR. DAVIDSON: So moved.

12 CHAIRMAN GRAHAM: And ready to have a
13 second.

14 MR. ECKHART: Second.

15 CHAIRMAN GRAHAM: All in favor?

16 (Board members responded, "Aye.")

17 CHAIRMAN GRAHAM: Any opposed?

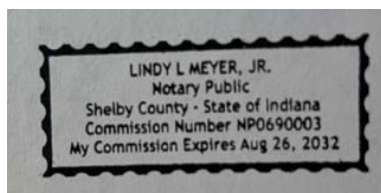
18 (No response.)

19 CHAIRMAN GRAHAM: Fine. We are
20 adjourned.

21 - - -
22 Thereupon, the proceedings of
23 June 11, 2025 were concluded
at 3:26 o'clock p.m.
- - -

1 CERTIFICATE

2 I, Lindy L. Meyer, Jr., the undersigned
3 Court Reporter and Notary Public residing in the
4 City of Shelbyville, Shelby County, Indiana, do
5 hereby certify that the foregoing is a true and
6 correct transcript of the proceedings taken by me
7 on Wednesday, June 11, 2025 in this matter and
8 transcribed by me.



Lindy L. Meyer, Jr.

Lindy L. Meyer, Jr.,
Notary Public in and
for the State of Indiana.

14

15 My Commission expires August 26, 2032.

16 Commission No. NP0690003

17

18

19

20

21

22

23

\$	2008 ^[1] - 49:8 2014 ^[1] - 85:19 2015 ^[1] - 37:19 2020 ^[3] - 51:14, 63:8, 89:9 2022 ^[1] - 37:15 2023 ^[10] - 21:8, 22:6, 38:6, 38:12, 45:23, 51:2, 51:9, 51:14, 51:19, 106:23 2024 ^[1] - 5:17 2025 ^[5] - 1:5, 1:17, 3:1, 115:22, 116:7 2026 ^[1] - 26:11 2032 ^[1] - 116:15 21 ^[1] - 98:9 24 ^[1] - 50:16 26 ^[1] - 116:15	7 7 ^[1] - 88:9 7.6 ^[2] - 77:5, 89:21 70 ^[4] - 2:18, 107:13, 108:3, 108:7 70's ^[4] - 70:17, 71:13, 73:17, 85:18 74 ^[1] - 2:19 76 ^[2] - 63:11, 89:11 78 ^[1] - 2:19	28:15, 29:16, 37:14, 38:1, 90:5, 106:14 action ^[3] - 41:13, 52:8, 52:10 actions ^[5] - 20:17, 23:11, 52:3, 106:15 activities ^[3] - 14:11, 28:9, 67:16 activity ^[2] - 9:23, 29:16 actors ^[1] - 11:7 ADD ^[3] - 71:20, 71:22, 73:14 add ^[2] - 49:4, 68:3 added ^[1] - 103:22 addiction ^[5] - 71:23, 72:1, 72:3, 73:14 adding ^[1] - 66:15 addition ^[4] - 9:16, 58:16, 92:4, 101:15 additional ^[5] - 26:5, 76:5, 103:5, 103:9, 104:5 address ^[11] - 17:21, 34:8, 54:1, 54:6, 57:5, 59:22, 88:14, 96:9, 101:20, 106:18, 112:7 addressed ^[1] - 101:18 addresses ^[1] - 105:18 addressing ^[2] - 53:17, 75:2 adequate ^[1] - 68:1 ADHD ^[3] - 71:20, 71:23, 73:14 adjourn ^[1] - 115:10 adjourned ^[1] - 115:20 adjournment ^[1] - 115:9 adjust ^[1] - 115:7 adjusting ^[1] - 22:11 administer ^[2] - 21:21, 23:9 administration ^[3] - 8:13, 27:15, 48:18 Administration ^[3] - 27:16, 27:17 administration's ^[1] - 31:7 administrations ^[1] - 27:14 administrative ^[1] - 32:17 Administrator ^[2] - 30:13, 31:5 administrators ^[1] - 30:15 adopt ^[1] - 41:18	adopted ^[1] - 88:19 adoption ^[5] - 33:12, 33:14, 36:21, 37:1, 100:23 advance ^[1] - 102:19 advanced ^[1] - 15:3 advances ^[1] - 94:13 advantage ^[3] - 9:2, 11:12, 12:5 adverse ^[2] - 57:14, 59:11 adversely ^[1] - 51:3 advice ^[1] - 24:5 advise ^[1] - 6:20 advocacy ^[1] - 75:8 advocate ^[3] - 28:4, 28:23, 73:15 advocating ^[1] - 20:12 affect ^[3] - 28:16, 29:20, 57:21 affected ^[7] - 28:17, 39:4, 39:5, 39:13, 40:1, 51:3, 102:20 afternoon ^[7] - 3:5, 32:7, 34:5, 37:8, 53:6, 55:14, 60:14 agencies ^[17] - 8:4, 8:10, 8:11, 8:22, 9:5, 10:19, 13:21, 14:13, 14:23, 15:6, 19:7, 21:17, 26:2, 26:12, 28:7, 29:5, 85:4 agency ^[13] - 6:11, 6:20, 7:20, 11:3, 14:10, 17:15, 21:5, 28:22, 36:12, 39:10, 48:13, 54:3, 76:18 Agency ^[2] - 70:6, 76:7 agenda ^[2] - 19:12, 20:18 agents ^[1] - 28:22 ago ^[2] - 16:11, 26:18 agree ^[1] - 77:20 agreed ^[1] - 41:14 Agriculture ^[1] - 7:11 agriculture ^[2] - 112:15, 114:12 ahead ^[4] - 25:2, 34:1, 42:23, 78:8 ain't ^[2] - 72:4, 72:6 Air ^[8] - 12:21, 20:8, 21:16, 27:2, 37:14, 37:20, 90:4, 106:13 air ^[46] - 10:11, 12:15, 20:5, 21:7, 24:10, 25:1, 27:7, 28:9, 28:22, 38:1, 43:21, 44:6, 57:14, 57:17, 57:18, 57:22, 58:3,
'	'23 ^[2] - 51:6, 51:12 '26 ^[1] - 26:18 '80's ^[1] - 70:17	8 8 ^[2] - 44:8, 88:9 8-hour ^[1] - 37:19 80-plus ^[1] - 29:10 848-0088 ^[1] - 1:22 8577 ^[1] - 78:17 87 ^[1] - 2:20	adopted ^[1] - 88:19 adoption ^[5] - 33:12, 33:14, 36:21, 37:1, 100:23 advance ^[1] - 102:19 advanced ^[1] - 15:3 advances ^[1] - 94:13 advantage ^[3] - 9:2, 11:12, 12:5 adverse ^[2] - 57:14, 59:11 adversely ^[1] - 51:3 advice ^[1] - 24:5 advise ^[1] - 6:20 advocacy ^[1] - 75:8 advocate ^[3] - 28:4, 28:23, 73:15 advocating ^[1] - 20:12 affect ^[3] - 28:16, 29:20, 57:21 affected ^[7] - 28:17, 39:4, 39:5, 39:13, 40:1, 51:3, 102:20 afternoon ^[7] - 3:5, 32:7, 34:5, 37:8, 53:6, 55:14, 60:14 agencies ^[17] - 8:4, 8:10, 8:11, 8:22, 9:5, 10:19, 13:21, 14:13, 14:23, 15:6, 19:7, 21:17, 26:2, 26:12, 28:7, 29:5, 85:4 agency ^[13] - 6:11, 6:20, 7:20, 11:3, 14:10, 17:15, 21:5, 28:22, 36:12, 39:10, 48:13, 54:3, 76:18 Agency ^[2] - 70:6, 76:7 agenda ^[2] - 19:12, 20:18 agents ^[1] - 28:22 ago ^[2] - 16:11, 26:18 agree ^[1] - 77:20 agreed ^[1] - 41:14 Agriculture ^[1] - 7:11 agriculture ^[2] - 112:15, 114:12 ahead ^[4] - 25:2, 34:1, 42:23, 78:8 ain't ^[2] - 72:4, 72:6 Air ^[8] - 12:21, 20:8, 21:16, 27:2, 37:14, 37:20, 90:4, 106:13 air ^[46] - 10:11, 12:15, 20:5, 21:7, 24:10, 25:1, 27:7, 28:9, 28:22, 38:1, 43:21, 44:6, 57:14, 57:17, 57:18, 57:22, 58:3,	
1	1 ^[1] - 56:20 1.3 ^[1] - 89:13 1.96 ^[3] - 63:8, 63:16, 89:10 100 ^[1] - 38:2 103 ^[2] - 54:3, 106:1 11 ^[6] - 1:5, 1:16, 3:1, 102:22, 115:22, 116:7 111 ^[1] - 20:7 11th ^[1] - 5:17 12 ^[1] - 112:11 125 ^[1] - 85:2 13 ^[4] - 6:21, 22:8, 63:14, 63:18 13,000 ^[1] - 57:1 13th ^[3] - 33:11, 36:3, 115:5 14 ^[1] - 79:5 145,000 ^[2] - 77:3, 89:20 15 ^[2] - 82:11, 89:5 170 ^[1] - 89:3 17th ^[2] - 38:11, 45:23 18 ^[5] - 12:9, 38:11, 45:21, 50:16, 88:9 183.7 ^[1] - 38:22 1900's ^[1] - 98:3 1901 ^[1] - 92:13 1906 ^[1] - 92:14 1970's ^[1] - 21:20 1990 ^[1] - 21:20 1993 ^[1] - 62:1 1997 ^[1] - 51:8 1:31 ^[2] - 1:17, 3:1 1st ^[2] - 14:12, 16:18	3 3 ^[2] - 56:20, 88:9 3.9 ^[2] - 77:4, 89:21 30 ^[3] - 6:17, 87:11, 93:21 30-day ^[1] - 16:11 30th ^[1] - 17:21 317 ^[1] - 1:22 39 ^[1] - 56:10 3:26 ^[1] - 115:22	9 97 ^[1] - 2:20	adopted ^[1] - 88:19 adoption ^[5] - 33:12, 33:14, 36:21, 37:1, 100:23 advance ^[1] - 102:19 advanced ^[1] - 15:3 advances ^[1] - 94:13 advantage ^[3] - 9:2, 11:12, 12:5 adverse ^[2] - 57:14, 59:11 adversely ^[1] - 51:3 advice ^[1] - 24:5 advise ^[1] - 6:20 advocacy ^[1] - 75:8 advocate ^[3] - 28:4, 28:23, 73:15 advocating ^[1] - 20:12 affect ^[3] - 28:16, 29:20, 57:21 affected ^[7] - 28:17, 39:4, 39:5, 39:13, 40:1, 51:3, 102:20 afternoon ^[7] - 3:5, 32:7, 34:5, 37:8, 53:6, 55:14, 60:14 agencies ^[17] - 8:4, 8:10, 8:11, 8:22, 9:5, 10:19, 13:21, 14:13, 14:23, 15:6, 19:7, 21:17, 26:2, 26:12, 28:7, 29:5, 85:4 agency ^[13] - 6:11, 6:20, 7:20, 11:3, 14:10, 17:15, 21:5, 28:22, 36:12, 39:10, 48:13, 54:3, 76:18 Agency ^[2] - 70:6, 76:7 agenda ^[2] - 19:12, 20:18 agents ^[1] - 28:22 ago ^[2] - 16:11, 26:18 agree ^[1] - 77:20 agreed ^[1] - 41:14 Agriculture ^[1] - 7:11 agriculture ^[2] - 112:15, 114:12 ahead ^[4] - 25:2, 34:1, 42:23, 78:8 ain't ^[2] - 72:4, 72:6 Air ^[8] - 12:21, 20:8, 21:16, 27:2, 37:14, 37:20, 90:4, 106:13 air ^[46] - 10:11, 12:15, 20:5, 21:7, 24:10, 25:1, 27:7, 28:9, 28:22, 38:1, 43:21, 44:6, 57:14, 57:17, 57:18, 57:22, 58:3,
2	2 ^[1] - 56:20 2.5-million-dollar ^[1] - 10:4 20 ^[5] - 27:12, 27:23, 29:7, 82:11, 89:6	A ability ^[1] - 86:1 able ^[9] - 9:2, 22:3, 34:8, 35:12, 48:21, 54:5, 54:13, 78:8, 80:15 absolutely ^[2] - 6:23, 23:23 accelerate ^[1] - 39:18 access ^[1] - 34:16 accident ^[1] - 94:7 accomplish ^[1] - 81:8 accountable ^[2] - 62:22, 64:19 accurate ^[2] - 6:1, 107:12 ACCURATE ^[1] - 1:21 accuratereportingofi ndiana@gmail.com ^[1] - 1:23 achievable ^[4] - 37:3, 42:4, 42:5, 42:9 achieve ^[4] - 43:6, 43:17, 44:17, 94:19 achieved ^[1] - 38:16 achieving ^[1] - 103:8 acres ^[1] - 82:12 acronyms ^[3] - 42:2, 55:17, 55:20 act ^[7] - 10:11, 11:5, 27:2, 37:20, 68:18, 106:1, 107:16 Act ^[12] - 10:11, 10:12, 20:8, 21:16, 27:9,	8 8 ^[2] - 44:8, 88:9 8-hour ^[1] - 37:19 80-plus ^[1] - 29:10 848-0088 ^[1] - 1:22 8577 ^[1] - 78:17 87 ^[1] - 2:20	adopted ^[1] - 88:19 adoption ^[5] - 33:12, 33:14, 36:21, 37:1, 100:23 advance ^[1] - 102:19 advanced ^[1] - 15:3 advances ^[1] - 94:13 advantage ^[3] - 9:2, 11:12, 12:5 adverse ^[2] - 57:14, 59:11 adversely ^[1] - 51:3 advice ^[1] - 24:5 advise ^[1] - 6:20 advocacy ^[1] - 75:8 advocate ^[3] - 28:4, 28:23, 73:15 advocating ^[1] - 20:12 affect ^[3] - 28:16, 29:20, 57:21 affected ^[7] - 28:17, 39:4, 39:5, 39:13, 40:1, 51:3, 102:20 afternoon ^[7] - 3:5, 32:7, 34:5, 37:8, 53:6, 55:14, 60:14 agencies ^[17] - 8:4, 8:10, 8:11, 8:22, 9:5, 10:19, 13:21, 14:13, 14:23, 15:6, 19:7, 21:17, 26:2, 26:12, 28:7, 29:5, 85:4 agency ^[13] - 6:11, 6:20, 7:20, 11:3, 14:10, 17:15, 21:5, 28:22, 36:12, 39:10, 48:13, 54:3, 76:18 Agency ^[2] - 70:6, 76:7 agenda ^[2] - 19:12, 20:18 agents ^[1] - 28:22 ago ^[2] - 16:11, 26:18 agree ^[1] - 77:20 agreed ^[1] - 41:14 Agriculture ^[1] - 7:11 agriculture ^[2] - 112:15, 114:12 ahead ^[4] - 25:2, 34:1, 42:23, 78:8 ain't ^[2] - 72:4, 72:6 Air ^[8] - 12:21, 20:8, 21:16, 27:2, 37:14, 37:20, 90:4, 106:13 air ^[46] - 10:11, 12:15, 20:5, 21:7, 24:10, 25:1, 27:7, 28:9, 28:22, 38:1, 43:21, 44:6, 57:14, 57:17, 57:18, 57:22, 58:3,

58:9, 58:16, 58:21,
58:22, 58:23, 61:3,
61:10, 61:17, 62:8,
62:11, 62:12, 64:22,
65:13, 66:10, 66:19,
67:3, 67:6, 67:21,
68:2, 82:23, 84:18,
85:6, 90:3, 98:23,
99:19, 101:12,
103:7, 105:16, 108:1
Alexandrovich [4] -
2:4, 4:10, 46:18,
110:22
ALEXANDROVICH [8]
- 4:11, 5:8, 5:10,
5:14, 46:17, 48:3,
110:23, 114:19
alkaline [1] - 75:14
Allen [4] - 2:17, 55:11,
55:15, 75:16
alleviate [1] - 75:3
allow [2] - 71:4, 85:5
almost [3] - 70:12,
81:3, 84:18
alternatives [1] -
88:15
alters [1] - 58:9
alveolar [1] - 57:19
Alzheimer's [1] - 58:6
Ambient [1] - 12:20
amend [2] - 38:13,
59:21
amended [2] - 38:19,
113:19
America's [1] - 62:6
American [1] - 66:8
amount [1] - 25:22
amounts [2] - 91:21,
93:6
analysis [4] - 24:5,
39:5, 90:12, 103:2
Animal [1] - 114:11
animal [1] - 114:12
Anne [1] - 30:14
announced [2] -
16:11, 20:9
announcement [3] -
20:4, 29:23, 34:2
annual [3] - 10:16,
23:1, 59:10
annually [3] - 38:22,
77:1, 89:21
anonymously [2] -
67:22
answer [5] - 25:12,
32:2, 41:19, 48:2,
114:2
answered [1] - 46:21
answering [1] - 35:12
answers [1] - 47:10

Anthony [1] - 24:20
anticipate [1] - 33:12
anticipated [1] - 33:18
anticipating [1] - 52:2
antiquated [2] - 57:5,
68:5
anyhow [1] - 32:22
anyway [2] - 96:6,
113:8
apologies [1] - 66:3
apologize [3] - 34:4,
100:12, 106:4
APPEARANCES [1] -
2:1
application [1] - 22:23
applied [1] - 38:1
apply [2] - 39:14,
102:20
applying [4] - 43:5,
67:22, 102:4, 103:5
appreciate [12] - 6:19,
7:7, 25:4, 25:8, 33:6,
35:18, 36:19, 65:21,
95:6, 95:12, 96:6,
97:7
approach [2] - 66:2,
105:21
appropriate [2] -
31:23, 35:4
appropriately [1] -
38:19
appropriations [3] -
10:5, 10:9, 26:11
Appropriations [1] -
29:2
approval [6] - 5:4, 6:2,
41:3, 47:17, 80:15,
109:3
Approval [1] - 5:16
approve [3] - 5:1,
47:22, 107:5
approved [6] - 5:19,
29:18, 39:9, 48:21,
101:22, 103:21
approving [1] - 102:1
arc [3] - 57:8, 81:7,
82:1
area [22] - 12:19, 13:4,
23:17, 30:3, 37:16,
38:8, 38:17, 49:9,
49:10, 51:6, 51:17,
52:11, 52:18, 53:20,
54:12, 72:8, 72:10,
91:8, 98:1, 107:20,
108:1
areas [2] - 13:10,
37:21
Arkansas [1] - 81:23
arrhythmias [1] - 58:2
arthritis [1] - 58:11

as-corrected [1] - 6:3
assembly [1] - 22:15
Assembly [4] - 9:23,
17:11, 22:1, 23:21
Assembly's [1] -
23:11
assessed [1] - 39:12
assistance [1] - 26:21
associated [6] -
51:16, 53:18, 58:17,
75:4, 77:12, 102:9
association [1] - 66:8
asthma [8] - 57:23,
67:17, 71:11, 71:23,
73:14, 77:4, 89:20,
89:23
athlete [1] - 67:15
atmosphere [1] - 85:7
attacks [1] - 58:1
attain [3] - 49:14,
49:16, 54:13
attainable [2] - 42:4,
42:6
attained [2] - 49:10,
106:20
attainment [7] - 50:21,
52:6, 54:6, 95:21,
107:6, 107:10,
107:17
attendant [1] - 13:6
attending [2] - 34:5,
35:11
attention [1] - 32:12
Attorney [1] - 24:22
attractions [1] - 9:9
attracts [1] - 94:21
audio [4] - 46:20,
47:5, 47:11, 91:2
August [3] - 33:11,
115:5, 116:15
authority [6] - 11:18,
12:5, 22:12, 101:16,
104:23, 105:3
authorized [2] - 17:11,
27:1
autism [1] - 58:7
autoimmune [2] -
58:10, 67:12
available [18] - 16:23,
36:2, 36:5, 36:12,
37:22, 41:10, 42:5,
42:6, 42:10, 42:12,
42:16, 75:18, 75:19,
77:11, 90:6, 93:15,
102:4, 102:15
avenues [1] - 54:5
average [1] - 38:22
avian [1] - 114:9
avoid [4] - 13:5, 46:11,
48:14, 50:3

avoids [1] - 89:4
awarded [1] - 66:9
aware [1] - 93:18
awful [1] - 47:11
aye [2] - 6:3, 109:11
Aye [3] - 6:4, 109:12,
115:16

B

backdrop [1] - 108:15
background [4] -
51:22, 53:16, 54:16,
97:17
backwards [1] - 50:1
bad [7] - 46:20, 47:5,
58:22, 62:11, 62:12,
62:13
bar [2] - 34:18, 34:19
barriers [1] - 18:7
base [3] - 21:14,
83:21, 113:5
based [16] - 21:18,
28:2, 32:17, 63:1,
68:10, 75:4, 75:15,
75:20, 76:6, 88:6,
89:18, 99:10, 99:17,
101:18, 103:1,
103:15
baseline [1] - 11:8
basic [1] - 57:6
Bausman [3] - 2:9,
4:2, 110:14
BAUSMAN [3] - 4:3,
109:7, 110:15
beat [1] - 62:1
Beautiful [1] - 28:13
became [1] - 70:18
become [1] - 87:16
becomes [1] - 36:12
BEFORE [1] - 1:1
began [1] - 39:2
begin [1] - 68:18
beginning [5] - 34:21,
70:14, 75:6, 104:22,
112:12
behind [2] - 63:5, 89:7
below [3] - 51:12,
107:10, 108:3
belts [1] - 10:19
beneficial [2] - 17:1,
18:7
benefit [2] - 8:13, 9:3
benefits [1] - 8:9
benefitting [1] - 72:7
best [5] - 16:22, 16:23,
31:19, 112:19,
114:23
better [10] - 8:21, 9:5,
9:21, 12:1, 14:22,

30:7, 31:14, 65:7,
69:2, 98:21
betting [1] - 29:7
between [4] - 9:4,
55:23, 64:21, 77:4
beyond [2] - 50:12,
54:7
Biden [1] - 27:17
biennium [1] - 10:3
big [18] - 10:14, 10:23,
22:12, 26:2, 28:12,
70:14, 75:12, 81:23,
82:2, 83:22, 84:1,
84:3, 84:23, 87:12,
93:6, 108:4, 114:22
big-ticket [1] - 10:23
bigger [1] - 98:1
biggest [1] - 62:18
bill [4] - 11:4, 11:18,
28:13, 54:3
Bill [1] - 24:19
bill's [1] - 106:12
billet [1] - 81:21
Billie [4] - 2:13, 24:19,
32:6, 32:8
billion [5] - 77:5,
89:21, 107:13,
108:3, 108:7
billions [2] - 27:2,
59:12
bills [4] - 13:16, 13:17,
106:5, 113:18
biosecurity [1] - 114:6
bit [8] - 14:20, 17:12,
23:5, 24:2, 24:4,
25:23, 45:4, 74:12
black [6] - 62:6, 68:3,
70:4, 71:2, 73:2,
74:7
blame [2] - 19:17,
19:18
blanketed [1] - 51:18
blast [19] - 57:5,
58:13, 59:4, 60:22,
63:2, 64:13, 68:10,
79:19, 80:23, 81:1,
81:5, 81:16, 81:20,
88:6, 89:5, 99:10,
99:17, 99:20, 101:7
blip [1] - 52:14
blocks [1] - 78:23
bloodstream [1] -
57:20
blow [2] - 51:2, 55:18
blue [1] - 84:23
board [6] - 33:9,
35:10, 36:4, 36:6,
41:17, 60:7
BOARD [2] - 1:1, 2:2
Board [32] - 1:10, 6:4,

6:23, 9:10, 11:19,
18:20, 21:1, 21:23,
22:9, 24:16, 24:18,
25:13, 25:16, 33:3,
34:8, 36:1, 36:23,
37:9, 41:23, 53:16,
60:15, 65:18, 69:11,
86:13, 100:22,
101:1, 108:17,
108:22, 109:12,
112:7, 114:11,
115:16
Board's [2] - 23:10,
112:1
bodies [2] - 79:5, 98:7
body [3] - 57:21, 99:3
Boiler [1] - 44:8
boiler [1] - 40:2
boilers [1] - 39:22
bold [1] - 59:5
boost [1] - 92:6
born [1] - 87:10
bouts [1] - 67:8
bowel [1] - 58:12
box [2] - 12:16, 34:23
brain [2] - 58:4, 58:19
Braun [3] - 7:20, 8:19,
14:5
Braun's [1] - 11:22
break [1] - 9:4
breakdown [1] - 56:17
breast [1] - 58:18
breathing [1] - 62:9
breeze [1] - 52:23
bring [6] - 6:20, 32:12,
46:10, 70:21, 70:22,
75:1
broad [1] - 26:22
broader [4] - 105:16,
107:20, 108:1,
108:15
brought [3] - 71:7,
104:21, 105:7
BROWN [5] - 4:9,
101:3, 102:17,
104:6, 110:21
brown [3] - 56:8, 68:3,
110:20
Brown [3] - 2:5, 4:8,
101:3
Brownfield [1] - 30:1
Brownsburg [1] - 62:2
budget [7] - 10:3,
14:23, 26:17, 26:18,
28:3, 29:3, 29:12
building [2] - 60:23,
64:10
built [1] - 68:19
bulk [1] - 26:20
bullet [1] - 83:12

bump [1] - 53:18
BUMP [14] - 34:3,
69:14, 69:17, 69:19,
74:18, 76:13, 78:4,
78:7, 78:12, 86:10,
86:17, 95:14, 96:18,
96:22
Bump [1] - 2:15
bumped [2] - 49:9,
53:20
burdensome [2] -
16:22, 17:8
burners [4] - 39:16,
39:21, 39:22, 103:6
Burns [9] - 56:2,
62:23, 63:8, 63:10,
63:16, 88:4, 89:10,
91:8, 99:9
bush [1] - 27:15
business [2] - 30:3,
64:16
butt [1] - 74:12

C

CAFO [1] - 112:23
CAFO's [1] - 113:13
Calumet [3] - 79:1,
79:4, 97:20
Calvin [1] - 2:7
Canada [1] - 51:4
Canadian [1] - 107:3
canal [1] - 79:10
cancer [6] - 57:23,
58:15, 58:16, 67:9,
98:10, 98:11
cancers [2] - 58:18,
67:14
cannot [4] - 59:12,
62:20, 68:22, 98:19
capabilities [1] -
15:12
capital [1] - 10:10
capitals [1] - 13:19
car [3] - 70:5, 70:8,
79:22
carcinogenic [1] -
58:14
card [4] - 35:21, 66:3,
69:14, 69:19
cardiac [2] - 58:1,
58:3
cards [1] - 54:20
carefully [1] - 108:13
cares [1] - 94:20
Carmel [1] - 1:22
Carrie [1] - 2:3
carry [1] - 27:5
cars [1] - 79:21
case [4] - 25:1, 30:23,

53:13, 105:10
cases [2] - 77:3, 89:20
caster [1] - 81:21
categorical [1] - 22:19
category [1] - 26:22
causes [1] - 73:18
causing [1] - 76:12
CBS [3] - 61:20,
62:10, 67:5
CCR [1] - 33:17
Center [3] - 1:14, 1:15,
36:4
centers [2] - 80:11,
80:14
central [2] - 58:4, 61:7
century [1] - 30:8
certain [3] - 22:13,
107:18
certainly [3] - 10:18,
59:9, 93:9
certainty [2] - 24:8,
31:9
CERTIFICATE [1] -
116:1
certify [1] - 116:5
Chair [3] - 7:5, 35:16,
111:13
chair [1] - 42:21
CHAIRMAN [99] - 3:3,
3:13, 3:15, 3:17,
3:19, 3:21, 4:2, 4:4,
4:6, 4:8, 4:10, 4:12,
4:15, 4:17, 4:19,
4:21, 5:7, 5:12, 5:21,
6:5, 6:7, 25:14, 32:1,
32:5, 35:17, 36:18,
41:22, 42:7, 42:22,
44:20, 45:12, 45:15,
48:6, 50:4, 51:21,
54:15, 54:19, 54:22,
55:6, 55:10, 60:6,
60:9, 60:12, 65:17,
65:20, 66:1, 69:10,
69:13, 69:18, 74:15,
74:19, 76:11, 78:1,
78:6, 78:13, 86:9,
86:12, 86:15, 87:4,
87:6, 95:9, 95:12,
96:15, 97:4, 100:17,
100:20, 108:21,
109:1, 109:5, 109:8,
109:10, 109:13,
109:15, 109:19,
109:22, 110:3,
110:5, 110:7,
110:10, 110:12,
110:14, 110:16,
110:18, 110:20,
110:22, 111:5,
111:9, 111:11,

111:13, 111:17,
111:22, 112:9,
114:16, 115:2,
115:4, 115:12,
115:15, 115:17,
115:19
Chairman [3] - 1:11,
2:2, 96:3
challenge [7] - 13:10,
13:22, 17:14, 23:18,
24:1, 29:6, 61:4
challenges [5] - 8:14,
10:1, 15:20, 22:17,
26:7
chance [3] - 7:22,
8:12, 9:4
change [5] - 32:13,
32:21, 43:5, 65:2,
99:22
changed [3] - 21:14,
32:22, 37:15
changes [8] - 21:6,
22:13, 31:2, 33:21,
40:22, 48:19, 59:6,
102:6
changing [2] - 43:23,
102:13
charge [1] - 93:1
chat [7] - 34:11, 34:15,
34:16, 34:22, 34:23,
35:2, 35:6
cheaper [1] - 64:17
cheese [1] - 70:20
chemicals [1] - 13:20
Chicago [13] - 20:14,
30:14, 37:16, 38:8,
51:6, 51:17, 52:11,
52:17, 66:23, 67:13,
85:17, 91:7, 98:5
Chicagoland [1] -
12:19
Chief [1] - 32:8
Child [1] - 70:6
children [5] - 71:10,
71:22, 73:13, 84:4,
85:21
children's [2] - 70:11,
71:20
choose [1] - 64:21
Chris [1] - 2:6
citation [1] - 45:21
City [6] - 53:3, 53:5,
56:13, 96:1, 97:8,
116:4
clarification [2] -
40:21, 44:21
clarify [1] - 44:7
classification [1] -
53:19
Clean [8] - 10:11,

21:16, 27:9, 37:14,
37:20, 90:4, 106:13
clean [15] - 20:7, 27:2,
38:1, 45:4, 61:2,
64:22, 65:13, 77:16,
79:7, 79:18, 82:7,
90:2, 90:16, 94:20,
98:15
cleaner [8] - 63:23,
64:17, 64:20, 65:7,
88:12, 90:8, 100:4,
100:9
cleaning [2] - 43:21,
75:9
cleanup [1] - 30:10
clearly [2] - 47:13,
83:8
Cleveland [18] - 39:15,
39:20, 39:23, 40:5,
44:8, 56:2, 56:3,
59:14, 61:4, 64:23,
65:8, 76:1, 78:22,
88:2, 88:3, 88:19,
88:22, 99:16
click [1] - 34:22
Cliff's [1] - 40:5
Cliffs [17] - 39:15,
39:20, 39:23, 44:8,
56:2, 56:3, 59:14,
61:4, 64:23, 65:8,
76:1, 78:22, 88:2,
88:3, 88:19, 88:22,
99:16
climate [2] - 77:14,
90:3
Clint [2] - 2:10, 6:10
clock [4] - 49:11,
49:19, 49:20, 105:11
close [4] - 29:10,
31:18, 55:7, 85:13
closely [6] - 11:14,
28:19, 31:11, 45:14,
49:13, 114:10
closer [1] - 54:4
closest [1] - 53:1
clothes [2] - 71:4,
71:6
co [1] - 94:3
co-workers [1] - 94:3
coal [8] - 15:10, 15:18,
75:4, 75:15, 75:20,
89:18, 99:10, 99:17
coal-based [6] - 75:4,
75:15, 75:20, 89:18,
99:10, 99:17
Coburn [2] - 76:6,
76:17
code [1] - 22:8
Code [1] - 6:22
cognizant [1] - 24:1

<p>Coke [1] - 88:3 coke [5] - 63:1, 68:10, 71:3, 76:20, 88:6 coke-based [3] - 63:1, 68:10, 88:6 colleague [1] - 42:9 colleagues [2] - 20:12, 67:11 colon [1] - 58:19 combined [1] - 7:8 combustion [1] - 38:4 comfort [1] - 44:11 coming [23] - 8:15, 9:9, 9:13, 12:6, 18:20, 21:21, 29:1, 31:4, 46:20, 56:6, 57:11, 71:19, 72:17, 73:11, 73:12, 73:19, 73:23, 74:2, 74:4, 77:8, 84:16, 91:22, 114:7 Comm [1] - 54:2 COMM [6] - 6:12, 26:4, 105:23, 106:3, 108:11, 113:17 comment [12] - 16:11, 25:18, 35:21, 40:18, 69:16, 74:16, 74:22, 74:23, 96:16, 97:1, 100:18, 105:14 commented [1] - 65:21 commenters [2] - 75:12, 75:17 comments [29] - 17:20, 18:1, 18:23, 20:17, 26:5, 33:20, 35:3, 40:19, 41:16, 42:22, 45:15, 51:23, 54:17, 60:7, 65:18, 65:22, 69:11, 69:13, 74:17, 77:21, 78:3, 81:16, 96:11, 100:18, 101:4, 101:5, 105:19, 108:21, 115:2 commercially [1] - 88:18 Commission [3] - 15:6, 116:15, 116:16 commissioner [1] - 96:10 Commissioner [2] - 2:10, 105:6 Committee [1] - 29:2 committees [1] - 52:3 common [1] - 67:19 commonality [1] - 94:8 communicate [1] -</p>	<p>13:20 communicating [1] - 31:11 communities [6] - 61:14, 68:2, 69:6, 82:8, 90:4, 94:15 community [10] - 22:2, 40:20, 55:22, 64:3, 77:15, 83:10, 85:17, 85:18, 86:4, 97:23 company [2] - 65:4, 99:22 comparable [1] - 68:6 compare [2] - 8:12, 89:12 compared [3] - 63:20, 89:15 compensation [2] - 73:11, 73:12 compete [1] - 64:12 competitive [1] - 60:3 completely [1] - 19:16 compliance [7] - 27:7, 46:11, 64:4, 67:3, 77:17, 93:12, 111:3 complicated [1] - 108:4 complicating [1] - 107:15 comply [1] - 90:12 computer [2] - 46:21, 87:2 concentrations [1] - 52:15 concern [5] - 31:10, 79:6, 79:16, 80:4, 113:21 concerning [1] - 37:1 concerns [2] - 25:6, 114:8 concluded [1] - 115:22 concludes [1] - 100:21 conclusion [1] - 41:13 condition [1] - 97:10 conduct [2] - 39:5, 104:15 conducted [1] - 103:2 conducting [2] - 49:13, 105:21 Conference [1] - 1:14 confined [4] - 12:13, 17:13, 113:22, 114:7 confirmed [2] - 31:3, 31:4 Congress [4] - 19:18, 27:1, 27:21, 29:18 Congressional [3] -</p>	<p>29:16, 31:11, 31:22 connection [1] - 92:18 Connie [5] - 2:20, 95:14, 96:20, 96:22, 97:18 conscious [1] - 87:17 consequence [1] - 53:12 consequences [1] - 99:1 Conservation [1] - 10:12 conservation [1] - 18:8 conservative [1] - 39:8 consider [3] - 63:23, 88:12, 100:4 consideration [2] - 37:13, 100:22 considered [1] - 35:23 consistency [1] - 41:2 consulting [2] - 39:3, 40:23 contaminants [1] - 13:15 contaminated [1] - 30:8 contamination [1] - 85:20 continue [3] - 73:8, 92:5, 99:23 continued [3] - 13:14, 13:18, 25:9 continuing [1] - 45:13 contracted [1] - 23:6 contribute [2] - 77:2, 77:3 contributes [2] - 57:22, 89:19 contributing [1] - 67:20 contribution [1] - 108:6 contributions [2] - 106:21, 108:8 control [18] - 22:22, 37:3, 37:22, 40:16, 42:13, 42:17, 54:7, 75:19, 89:8, 90:6, 102:3, 102:14, 102:15, 103:5, 103:11, 103:16, 104:5, 108:5 controlled [1] - 104:3 controls [4] - 39:14, 102:21, 107:18 convenient [1] - 66:19 conversation [2] - 60:23, 83:6</p>	<p>converting [4] - 30:10, 57:5, 88:23, 89:3 coordinate [2] - 14:22, 97:22 coordinated [2] - 8:22, 12:1 copious [1] - 111:2 Copper [1] - 33:14 copy [3] - 33:4, 33:5, 36:10 copying [1] - 21:12 core [3] - 10:10, 22:19, 27:5 corporate [1] - 62:18 Corporation [1] - 2:8 corporations [1] - 93:4 correct [7] - 32:18, 43:22, 48:5, 53:15, 104:13, 111:15, 116:6 corrected [6] - 5:22, 6:3, 32:15, 32:16, 42:10, 42:16 corrections [1] - 32:17 correspond [1] - 9:17 cost [13] - 39:6, 40:14, 59:11, 61:21, 61:22, 62:4, 69:3, 89:2, 93:8, 102:16, 103:1, 103:8, 103:10 cost-effective [1] - 103:8 cost-effectiveness [1] - 39:6 costly [1] - 59:10 costs [7] - 10:21, 23:8, 77:5, 89:5, 89:21, 94:12, 102:9 council [1] - 16:21 Council [1] - 28:21 Counsel [2] - 7:13, 24:19 counsel [4] - 32:10, 36:3, 36:10, 37:11 counselor [1] - 72:1 count [2] - 111:16, 111:18 counterparts [1] - 26:6 counties [6] - 37:17, 39:1, 40:11, 49:8, 67:2, 68:23 Counties [5] - 12:19, 38:10, 40:12, 66:9, 98:13 countries [1] - 68:13 country [12] - 13:19, 16:2, 31:17, 56:2, 57:3, 62:8, 69:5,</p>	<p>77:8, 91:11, 91:17, 91:21, 94:18 County [10] - 1:13, 56:20, 61:9, 61:10, 61:12, 62:16, 66:6, 99:5, 107:19, 116:4 county [2] - 55:22, 99:6 couple [8] - 9:7, 16:18, 19:1, 26:5, 26:9, 32:11, 44:7, 60:18 course [14] - 47:16, 52:8, 91:18, 91:23, 92:4, 92:7, 92:8, 92:10, 93:3, 94:21, 98:18, 99:7, 108:17, 113:20 Court [1] - 116:3 court [3] - 36:14, 42:11, 113:1 cover [1] - 25:14 covered [2] - 62:19, 87:23 COVID [1] - 50:10 crazy [2] - 23:21, 84:12 create [4] - 61:2, 65:3, 83:18, 85:5 created [3] - 42:8, 48:20, 61:14 creating [1] - 18:10 creation [1] - 89:3 creative [1] - 13:12 critical [4] - 6:23, 9:15, 11:20, 25:10 cross [1] - 57:19 crowd [1] - 19:11 curious [1] - 48:13 current [4] - 44:15, 75:21, 104:1, 104:8 curtail [1] - 67:16 customers [2] - 8:23, 23:14 cut [2] - 65:3, 99:20 cuts [2] - 26:2, 26:20 cybersecurity [2] - 11:6, 11:9</p>
D				
<p>D.C [3] - 8:15, 20:12, 26:10 dad [2] - 87:11, 93:20 damn [1] - 85:2 dangerous [1] - 63:15 data [4] - 56:12, 76:19, 80:11, 80:14 date [2] - 46:1, 115:7 dates [1] - 45:18</p>				

David [2] - 2:9, 7:9
DAVIDSON [7] - 3:16, 5:6, 42:1, 42:18, 109:9, 110:6, 115:11
Davidson [3] - 2:7, 3:15, 110:5
days [4] - 51:5, 56:7, 58:23, 107:1
deadline [3] - 38:14, 47:22, 49:2
dealing [4] - 57:17, 67:11, 67:18, 97:16
dealt [1] - 11:5
dear [1] - 42:9
death [3] - 58:3, 81:14, 98:20
deaths [3] - 77:2, 89:20
decade [2] - 40:3, 64:11
December [3] - 5:17, 5:19, 16:19
decision [2] - 61:18, 112:1
decrease [1] - 52:10
dedicated [3] - 10:15, 24:6, 27:3
dedication [1] - 93:2
deep [1] - 57:18
defend [1] - 112:13
defending [1] - 113:1
definitely [1] - 31:20
degree [1] - 23:23
delay [1] - 48:17
delayed [1] - 58:7
delegation [2] - 31:12, 31:22
delighted [1] - 3:7
Deloney [3] - 2:14, 44:5, 101:11
DELONEY [14] - 43:9, 44:4, 44:13, 45:6, 45:13, 49:6, 50:23, 52:9, 53:14, 54:9, 101:11, 102:23, 104:7, 104:14
demand [1] - 82:6
demanding [1] - 82:14
Dementia [2] - 93:22, 94:5
demonstrate [1] - 106:19
department [2] - 7:10, 7:13
deregulatory [2] - 17:16, 31:6
deriving [2] - 51:4, 51:17
deserve [1] - 100:11
design [1] - 56:14

despite [1] - 27:13
destination [1] - 15:23
determination [1] - 88:14
determinations [1] - 107:7
determine [3] - 39:11, 104:16
determined [4] - 17:6, 38:6, 102:3, 103:5
determining [1] - 105:2
developed [3] - 101:19, 102:2, 105:21
developing [2] - 71:10, 86:6
development [9] - 27:7, 32:9, 37:10, 41:1, 47:16, 57:23, 58:8, 94:22, 105:8
Development [3] - 2:8, 24:17, 24:18
developments [1] - 45:9
device [2] - 34:18, 34:20
devotion [1] - 93:2
diabetes [1] - 58:13
diagnosed [1] - 98:9
dialogue [1] - 34:23
died [1] - 98:11
different [15] - 10:7, 16:6, 17:12, 18:9, 21:4, 26:9, 27:18, 42:15, 61:9, 72:8, 75:3, 76:21, 80:19, 82:13, 83:15
difficult [2] - 87:3, 91:2
diligently [1] - 47:15
dioxide [1] - 56:18
dioxin [1] - 30:9
direct [11] - 57:7, 59:15, 59:23, 68:14, 75:22, 81:1, 81:4, 81:18, 82:3, 99:17, 100:2
directed [1] - 88:15
direction [6] - 14:9, 80:5, 82:10, 82:14, 83:15, 106:11
directions [1] - 18:9
directives [4] - 8:20, 15:9, 15:17, 16:3
directly [3] - 64:12, 70:2, 92:18
director [1] - 60:16
Director [3] - 21:10, 66:4, 75:7

directs [1] - 106:3
dirty [3] - 62:7, 63:3, 99:12
dirty [5] - 61:17, 63:6, 71:5, 95:19, 95:23
disability [1] - 85:23
disabled [3] - 85:23, 86:1, 94:11
discharge [1] - 84:19
discharges [1] - 85:6
discipline [1] - 14:23
discounted [1] - 43:12
discuss [1] - 83:8
discussion [5] - 75:18, 101:1, 105:15, 108:15, 109:21
disease [1] - 58:12
diseases [3] - 58:6, 58:10, 94:6
disposal [1] - 23:3
disproportionate [1] - 87:21
distant [2] - 9:14, 12:7
distributed [1] - 27:5
District [1] - 79:2
diverse [1] - 18:16
DNA [1] - 58:14
Doctor [1] - 63:9
document [1] - 44:22
documents [3] - 41:8, 41:10, 41:15
dodging [1] - 83:12
dollar [1] - 30:1
dollars [10] - 10:22, 26:19, 27:3, 27:23, 28:5, 28:6, 29:4, 38:22, 59:12, 77:5
done [7] - 48:8, 61:3, 83:13, 85:2, 98:22, 111:2, 112:5
double [1] - 113:13
down [18] - 9:4, 44:23, 50:11, 62:3, 63:12, 64:23, 65:1, 68:6, 68:7, 73:20, 74:2, 79:1, 81:22, 82:11, 83:5, 85:19, 111:20, 112:22
dozen [2] - 19:1, 107:1
DR [15] - 3:20, 4:11, 5:8, 5:9, 5:10, 5:14, 46:17, 48:3, 55:13, 55:20, 60:11, 110:9, 110:11, 110:23, 114:19
Dr [10] - 1:11, 2:2, 2:4, 2:4, 4:10, 6:13, 7:4, 50:6, 110:8, 110:22
draft [3] - 32:14,

39:15, 39:17
dramatically [2] - 21:19, 65:3
drastically [1] - 99:20
draw [1] - 23:7
DRI [9] - 59:15, 59:19, 64:1, 64:12, 65:2, 88:16, 88:23, 89:4, 90:11
DRI-EAF [2] - 89:4, 90:11
Drinking [1] - 27:9
drive [1] - 68:7
Drive [1] - 1:21
driven [1] - 107:3
drives [1] - 52:17
driving [2] - 68:6, 79:12
drug [3] - 72:1, 72:5, 73:14
ducks [1] - 50:3
due [1] - 48:18
dunes [3] - 55:16, 91:18, 92:2
Dunes [1] - 55:21
during [9] - 11:1, 34:8, 34:14, 38:4, 40:18, 51:19, 66:18, 80:2, 85:22
dust [2] - 31:15, 79:22
duty [1] - 57:15

E

e-mail [5] - 17:21, 19:1, 33:2, 33:6, 35:7
EAF [2] - 89:4, 90:11
early [2] - 28:3, 98:3
ears [1] - 97:11
earth [2] - 15:17, 84:6
Earth [4] - 60:13, 60:16, 60:23, 84:7
East [1] - 67:12
east [5] - 56:3, 66:23, 85:17, 91:7, 98:4
easy [1] - 91:4
eat [1] - 70:19
Eckhart [3] - 2:8, 4:4, 110:16
ECKHART [3] - 4:5, 110:17, 115:14
ecological [1] - 92:2
economic [5] - 61:15, 64:18, 91:12, 93:7, 94:21
Economic [1] - 2:8
economically [1] - 91:12
economy [3] - 50:20,

77:19, 84:2
economy's [1] - 50:12
Edgar [4] - 63:13, 63:17, 89:12, 89:13
effective [1] - 103:8
effectiveness [2] - 39:6, 103:1
effects [6] - 57:14, 57:17, 59:11, 85:21, 97:9, 98:6
efficiency [1] - 14:13
efficiency@idem.in.gov [1] - 17:23
efficiently [2] - 8:21, 23:15
effort [1] - 3:8
efforts [1] - 28:11
egg [1] - 72:11
eight [2] - 45:20, 51:7
eight-hour [1] - 51:7
either [3] - 80:3, 84:7, 111:18
electric [5] - 8:5, 20:5, 57:8, 81:7, 82:1
electricity [2] - 15:15, 88:17
electronic [1] - 33:5
elephant [1] - 59:4
elevated [1] - 58:22
Eli [1] - 2:8
eliminate [2] - 81:4, 83:23
eliminating [1] - 84:15
elsewhere [1] - 90:10
EMAIL [1] - 1:23
emanate [1] - 17:4
emission [2] - 38:16, 104:10
emissions [24] - 12:17, 13:1, 13:3, 21:18, 21:19, 38:5, 38:17, 40:10, 47:21, 51:16, 52:11, 52:21, 63:7, 81:2, 87:22, 89:8, 90:3, 98:15, 98:23, 104:2, 104:9, 104:19, 106:14
emit [3] - 38:2, 56:23, 104:12
emitters [5] - 56:19, 56:21, 57:2, 66:7, 88:8
emphasize [2] - 77:14, 77:19
emphysema [1] - 57:23
employees [2] - 14:11, 94:14
employers [1] - 92:11
enacted [5] - 11:3,

12:12, 13:17, 28:15, 113:19
enactment [1] - 45:22
encompasses [1] - 38:8
encouraging [1] - 95:2
end [7] - 10:2, 29:8, 31:16, 34:9, 48:11, 64:11, 94:11
ended [4] - 9:12, 93:22, 107:2, 112:23
ending [1] - 51:14
energy [9] - 15:4, 16:7, 60:2, 80:9, 80:10, 80:12, 80:15, 80:21, 99:19
Energy [2] - 7:23, 8:2
energy's [1] - 80:20
enforce [1] - 95:5
enforceable [2] - 40:7, 46:23
enforced [1] - 113:7
enforcement [1] - 27:7
engaging [1] - 108:16
engine [1] - 91:13
engineers [1] - 103:3
enrolled [2] - 11:4, 106:1
ensure [4] - 24:7, 41:1, 41:3, 48:23
ensuring [1] - 16:15
enter [1] - 57:19
enthusiasm [1] - 19:21
entire [4] - 36:4, 57:3, 92:1, 94:18
entities [1] - 79:11
environment [11] - 23:15, 64:5, 84:8, 89:17, 90:20, 91:15, 93:4, 94:16, 94:23, 100:6, 112:13
ENVIRONMENTAL [1] - 1:1
environmental [12] - 9:17, 10:13, 16:7, 16:16, 17:5, 21:5, 22:2, 29:20, 31:17, 41:6, 64:14, 76:7
Environmental [5] - 1:10, 6:22, 28:21, 36:23, 76:18
environmentally [3] - 17:1, 18:7, 87:16
EPA [36] - 13:13, 17:7, 17:12, 19:17, 20:2, 20:13, 21:10, 26:19, 29:4, 29:15, 30:2, 30:12, 30:16, 31:21,

37:15, 38:6, 38:10, 38:14, 38:20, 39:9, 40:23, 47:1, 47:2, 47:15, 53:19, 56:9, 56:10, 80:6, 82:16, 82:19, 93:14, 95:22, 99:5, 107:5, 107:11, 108:13
EPA's [1] - 40:8
epicenter [1] - 66:12
equally [2] - 91:14, 92:20
ERB [1] - 6:16
error [1] - 5:11
especially [5] - 45:9, 49:1, 61:10, 72:17, 91:15
essential [1] - 40:4
essentially [2] - 43:4, 43:16
establish [1] - 44:14
established [1] - 101:23
establishing [2] - 101:22, 103:14
estimated [2] - 59:11, 89:19
ETZLER [1] - 111:12
Etzler [3] - 2:3, 4:19, 111:11
evaluated [2] - 103:3, 103:10
evaluation [1] - 105:2
evaluations [1] - 104:15
event [1] - 107:1
events [2] - 106:22, 107:5
eventually [1] - 82:2
evidence [1] - 88:21
exactly [1] - 49:21
example [2] - 53:3, 106:23
examples [2] - 64:23, 89:8
exceeded [1] - 103:11
exceedence [1] - 51:5
exceedences [1] - 107:2
except [1] - 43:23
exceptional [2] - 106:21, 107:1
excess [1] - 102:10
excessive [1] - 16:16
excited [7] - 8:2, 14:19, 15:21, 18:11, 20:21, 30:12, 30:19
exciting [1] - 8:4
executive [14] - 8:19, 11:22, 14:5, 14:6,

14:21, 15:2, 16:6, 16:12, 18:2, 18:5, 19:9, 20:1, 29:15, 105:6
exemptions [1] - 67:23
Exhibit [1] - 37:5
exist [2] - 15:13, 103:16
existing [7] - 18:19, 19:23, 20:3, 44:15, 77:17, 102:5, 102:15
expectancy [1] - 90:1
expecting [2] - 88:23, 107:5
expensive [1] - 99:21
experience [2] - 67:4, 97:10
experiencing [1] - 26:2
expertise [2] - 6:19, 7:8
experts [1] - 83:7
expires [1] - 116:15
explain [2] - 101:6, 102:21
explained [1] - 76:4
explanation [1] - 101:9
explore [2] - 9:14, 54:5
exposed [1] - 80:1
exposure [1] - 80:1
extended [1] - 67:6
extends [1] - 14:10
extraneous [1] - 76:8
extremely [2] - 51:9, 68:20
eyes [1] - 12:23

F

face [2] - 13:21, 26:7
faces [1] - 7:16
facilities [11] - 15:14, 38:18, 63:19, 75:23, 77:1, 77:9, 87:22, 88:5, 89:7, 89:15, 103:17
facility [2] - 30:7, 44:9
facing [1] - 10:4
factor [6] - 51:15, 58:5, 67:20, 104:19, 105:5, 107:15
factors [1] - 51:1
facts [1] - 100:13
fail [2] - 71:1, 90:7
failed [2] - 38:7, 49:15
fails [1] - 38:13
failure [1] - 58:2

fair [1] - 96:16
fairly [1] - 10:1
fall [1] - 40:13
falling [1] - 63:5
families' [1] - 98:12
family [2] - 68:23, 71:9
far [6] - 47:18, 50:12, 79:11, 80:14, 82:15, 96:19
farm [1] - 113:16
fashion [2] - 8:22, 94:22
fatal [1] - 51:2
fate [1] - 45:8
father [1] - 70:16
favor [3] - 6:2, 109:10, 115:15
favorable [1] - 112:2
feasible [1] - 90:19
feature [3] - 34:16, 34:17, 35:6
features [1] - 35:2
featuring [1] - 67:7
February [1] - 7:21
federal [18] - 9:17, 10:9, 17:4, 17:5, 19:19, 19:22, 20:18, 22:19, 26:3, 26:6, 26:12, 26:13, 38:23, 41:2, 45:10, 101:15, 105:9
Federal [1] - 25:20
federally [1] - 37:13
fee [2] - 22:23, 23:1
feed [3] - 80:22, 81:1, 81:23
feedback [7] - 17:18, 18:11, 18:16, 19:12, 20:16, 25:5, 106:10
feeding [4] - 12:13, 17:13, 113:23, 114:7
fees [10] - 10:16, 10:17, 21:7, 21:14, 21:17, 22:10, 23:1, 23:22, 104:20
feet [1] - 79:9
felt [1] - 57:15
few [13] - 9:6, 9:12, 9:20, 13:16, 14:8, 15:19, 17:10, 23:20, 28:15, 56:4, 59:3, 61:8, 106:12
field [1] - 55:17
fifteen [1] - 71:21
figure [2] - 10:3, 32:20
file [1] - 20:17
fill [1] - 35:20
filled [2] - 69:17, 69:20
final [3] - 33:12, 33:14, 45:4

finalize [1] - 65:6
finalized [2] - 41:12, 112:3
finally [3] - 41:5, 66:20, 97:3
finance [1] - 12:5
financial [2] - 22:17, 92:6
fine [1] - 115:19
fire [2] - 51:18, 103:7
first [11] - 6:14, 6:16, 9:20, 32:12, 40:18, 41:1, 47:14, 55:11, 69:22, 79:13, 79:16
firsthand [1] - 67:5
fiscal [3] - 26:10, 26:14, 27:3
fish [1] - 8:6
fit [2] - 7:2, 25:10
five [2] - 54:14, 85:21
fix [2] - 5:12, 73:3
fixed [1] - 76:16
flag [4] - 14:4, 16:10, 18:12, 20:20
flat [1] - 27:13
flat-funded [1] - 27:13
Flittner [3] - 4:6, 7:12, 110:18
floodgates [1] - 20:2
floor [1] - 36:3
flow [1] - 10:10
focus [2] - 101:13, 102:13
focused [2] - 75:9, 75:10
folks [12] - 7:17, 14:16, 17:19, 18:3, 20:23, 30:17, 60:18, 66:13, 69:1, 76:15, 77:7
follow [3] - 48:7, 102:18, 105:13
follow-up [3] - 48:7, 102:18, 105:13
following [2] - 19:7, 88:23
foot [1] - 79:7
forecast [2] - 10:2, 54:12
forecasting [1] - 52:13
foregoing [1] - 116:5
foremost [1] - 6:14
forest [1] - 51:18
forever [1] - 13:20
form [2] - 19:1, 103:6
formation [1] - 52:23
formula [1] - 27:4
forum [1] - 34:9
forward [5] - 33:3, 48:23, 52:8, 103:21,

<p>113:9 fossil [1] - 38:4 four [3] - 89:4, 98:2, 98:11 fourth [3] - 51:9, 51:10, 107:2 foxhole [1] - 8:11 fraction [1] - 108:6 Franklin [3] - 2:13, 32:6, 32:8 FRANKLIN [3] - 32:7, 33:19, 33:23 frankly [2] - 19:13, 66:11 free [1] - 68:5 frequency [1] - 12:14 fresh [1] - 12:23 front [4] - 32:14, 32:16, 59:10, 96:13 fronts [1] - 69:7 fuels [1] - 38:5 full [2] - 55:17, 70:5 fully [3] - 57:4, 97:7, 97:9 fun [1] - 8:4 fund [2] - 22:20, 30:10 funded [3] - 10:6, 26:13, 27:13 funder [1] - 25:21 funding [1] - 38:23 funds [2] - 10:15, 24:6 furnace [10] - 39:17, 79:20, 80:23, 81:1, 81:2, 81:16, 81:18, 81:20, 88:6, 89:5 furnaces [19] - 57:6, 57:8, 58:13, 59:4, 60:22, 63:2, 64:13, 68:11, 81:4, 81:5, 81:7, 82:1, 82:3, 99:11, 99:17, 99:18, 99:20, 101:7 future [35] - 7:15, 9:14, 11:19, 12:8, 13:23, 14:1, 14:4, 15:2, 15:5, 20:19, 24:3, 27:3, 29:20, 48:12, 52:14, 57:6, 59:20, 60:3, 64:6, 68:16, 68:19, 69:5, 75:21, 81:11, 82:5, 82:6, 83:10, 83:16, 84:4, 86:2, 100:7, 107:7, 113:11 future-proof [2] - 68:19, 69:5 FY [1] - 26:18</p>	<p>G</p> <p>gArd [1] - 55:12 Gary [23] - 56:4, 61:22, 61:23, 62:1, 62:4, 62:5, 62:23, 63:11, 66:23, 67:7, 71:22, 72:9, 72:10, 73:15, 81:13, 81:22, 87:10, 88:2, 89:11, 89:22, 91:7, 92:13, 99:9 gas [2] - 15:10, 20:6 gases [3] - 37:23, 38:3, 57:11 General [7] - 7:13, 9:23, 17:10, 22:1, 22:15, 23:11, 24:19 general [7] - 7:6, 10:5, 10:8, 16:8, 23:20, 24:22, 39:4 generally [2] - 10:17, 27:23 generation [1] - 97:19 generations [1] - 92:3 gifted [1] - 67:15 given [6] - 22:16, 22:18, 50:18, 68:4, 80:2, 101:4 glad [3] - 5:22, 7:16, 42:15 Glenn [1] - 62:2 goal [1] - 59:2 goals [2] - 43:6, 43:17 God [1] - 74:3 goodness [1] - 72:14 gosh [1] - 54:22 Gov [5] - 7:20, 8:19, 11:22, 14:5, 22:5 Government [2] - 1:14, 25:20 government [6] - 26:13, 36:4, 61:18, 70:11, 70:19, 113:10 governments [1] - 11:16 Governor [2] - 2:9, 7:9 Governor's [2] - 12:10, 16:20 Grace [2] - 39:15, 39:16 grade [1] - 66:9 GRAHAM [99] - 3:3, 3:13, 3:15, 3:17, 3:19, 3:21, 4:2, 4:4, 4:6, 4:8, 4:10, 4:12, 4:15, 4:17, 4:19, 4:21, 5:7, 5:12, 5:21, 6:5, 6:7, 25:14, 32:1, 32:5, 35:17, 36:18,</p>	<p>41:22, 42:7, 42:22, 44:20, 45:12, 45:15, 48:6, 50:4, 51:21, 54:15, 54:19, 54:22, 55:6, 55:10, 60:6, 60:9, 60:12, 65:17, 65:20, 66:1, 69:10, 69:13, 69:18, 74:15, 74:19, 76:11, 78:1, 78:6, 78:13, 86:9, 86:12, 86:15, 87:4, 87:6, 95:9, 95:12, 96:15, 97:4, 100:17, 100:20, 108:21, 109:1, 109:5, 109:8, 109:10, 109:13, 109:15, 109:19, 109:22, 110:3, 110:5, 110:7, 110:10, 110:12, 110:14, 110:16, 110:18, 110:20, 110:22, 111:5, 111:9, 111:11, 111:13, 111:17, 111:22, 112:9, 114:16, 115:2, 115:4, 115:12, 115:15, 115:17, 115:19 Graham [7] - 1:11, 2:2, 3:6, 6:13, 7:4, 50:6, 111:13 grand [2] - 52:9, 79:4 Grand [1] - 79:1 grandchildren [1] - 84:5 grandparents [1] - 98:2 grandson [1] - 98:10 grant [5] - 10:9, 28:14, 29:11, 30:1, 31:9 grants [7] - 10:10, 22:20, 26:12, 26:21, 27:10, 27:19, 28:16 great [12] - 18:3, 19:2, 19:10, 20:15, 21:2, 22:16, 26:4, 87:7, 96:7, 113:17, 114:18, 114:21 Greater [2] - 51:17, 52:17 greater [1] - 52:11 greed [1] - 62:18 green [10] - 57:7, 60:1, 64:1, 68:16, 80:21, 80:22, 81:10, 88:16, 90:11, 99:18 GREEN [2] - 3:12, 110:2</p>	<p>Green [3] - 2:7, 3:11, 110:1 greenhouse [2] - 20:6, 57:11 grew [5] - 60:17, 61:7, 78:23, 96:1, 98:4 ground [3] - 25:15, 56:17, 114:5 ground-level [1] - 56:17 grounded [1] - 16:22 group [2] - 16:10, 75:8 groups [1] - 97:23 grown [1] - 50:12 growth [1] - 13:9 guess [3] - 31:19, 81:14, 92:16 guidance [1] - 35:18 guideline [1] - 32:18 guys [5] - 55:8, 55:18, 91:4, 95:17, 112:12</p>	<p>H</p> <p>hackers [1] - 11:11 half [7] - 16:11, 56:9, 62:18, 65:1, 71:21, 87:22, 107:1 halfway [2] - 73:5 HALLINE [3] - 55:13, 55:20, 60:11 Halline [3] - 2:17, 55:11, 55:15 Hammond [2] - 78:23, 79:1 hand [6] - 34:15, 34:16, 35:1, 36:15, 79:6 happy [2] - 25:12, 41:19 Harbor [16] - 39:20, 56:2, 62:23, 63:8, 63:10, 63:11, 63:16, 88:3, 88:4, 89:10, 89:11, 91:8, 99:9, 99:10 harbor [2] - 56:4, 79:10 hard [8] - 33:4, 55:4, 61:13, 81:12, 81:13, 85:9, 112:18, 114:17 harmful [1] - 57:10 harming [1] - 77:13 harms [2] - 76:4, 77:21 haze [3] - 56:8, 79:14, 90:13 head [1] - 46:12 headline [1] - 61:21 heads [1] - 33:1</p>	<p>heads-up [1] - 33:1 Health [1] - 114:11 health [34] - 11:10, 57:14, 57:17, 59:7, 59:11, 60:4, 64:5, 67:18, 71:1, 72:4, 76:4, 76:22, 77:5, 77:13, 77:18, 77:21, 85:20, 89:6, 89:17, 89:21, 90:20, 92:8, 92:22, 93:3, 94:12, 94:23, 97:9, 98:12, 98:13, 98:19, 99:4, 100:6, 107:12, 114:23 healthy [1] - 67:3 hear [19] - 4:12, 35:12, 43:9, 47:10, 76:9, 76:10, 78:10, 78:13, 86:19, 86:21, 87:3, 87:4, 91:5, 97:3, 97:4, 97:12, 97:14, 100:13, 100:15 heard [7] - 42:3, 52:4, 101:5, 101:6, 101:8, 102:6, 111:15 hearing [8] - 36:20, 36:22, 37:6, 55:5, 68:23, 91:1, 97:15, 100:21 hearings [2] - 28:3, 35:20 heart [2] - 58:1, 58:2 hearts [1] - 97:12 heat [1] - 95:3 heating [1] - 44:11 heavily [2] - 9:10, 102:5 heavy [1] - 75:9 held [3] - 66:17, 107:6, 113:16 hello [2] - 60:15, 86:19 help [16] - 6:20, 7:17, 9:10, 20:16, 20:17, 20:18, 24:5, 25:9, 30:3, 64:15, 69:6, 75:3, 77:12, 77:16, 85:8, 97:22 helped [2] - 24:23, 61:12 helpful [1] - 51:22 helping [4] - 6:23, 8:6, 15:22, 100:9 helps [2] - 30:19, 52:22 hereby [1] - 116:5 hi [3] - 44:5, 74:21, 101:3 high [8] - 51:9, 51:10, 53:4, 62:17, 68:10,</p>
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

88:6, 94:11
high-polluting [2] - 68:10, 88:6
higher [1] - 65:9
highest [7] - 56:13, 57:2, 66:7, 88:7, 99:6, 99:8, 107:2
highland [2] - 78:18, 98:1
highlight [1] - 76:3
highlighted [1] - 77:22
highway [6] - 38:21, 40:9, 46:11, 49:22, 68:6, 68:7
Hilary [5] - 2:19, 69:20, 74:18, 74:19, 75:7
hire [2] - 72:5, 72:6
histories [2] - 69:1
hit [1] - 53:7
hits [1] - 53:1
Holcomb [1] - 22:5
hold [2] - 64:18, 87:18
holding [2] - 62:21, 65:8
holds [1] - 99:1
home [6] - 56:9, 62:5, 66:6, 72:21, 79:21, 79:23
honor [1] - 112:14
hook [1] - 49:10
Hoosier [2] - 23:14, 60:17
Hoosiers [8] - 9:5, 24:9, 28:6, 59:2, 60:4, 61:19, 62:14, 64:2
hope [4] - 24:3, 96:9, 97:11, 99:2
hoped [1] - 48:22
hopefully [4] - 9:5, 13:5, 17:8, 19:12
hoping [4] - 18:22, 24:11, 100:14, 107:4
horizon [1] - 56:8
Horn [4] - 2:6, 3:19, 3:23, 110:12
horn [1] - 14:20
HORN [2] - 4:1, 110:13
host [2] - 34:12, 75:14
hostile [1] - 11:7
hour [2] - 51:7, 65:1
hours [3] - 61:8, 66:12, 66:19
House [2] - 26:16, 29:1
house [5] - 31:22, 71:5, 73:20, 73:21, 73:22

hug [1] - 114:22
Human [1] - 62:4
human [3] - 61:21, 61:22, 107:12
humbly [1] - 59:21
hundred [9] - 50:9, 53:22, 56:22, 79:9, 80:16, 80:18, 89:4, 92:12, 99:11
hundred-year-old [1] - 99:11
hundreds [1] - 27:2
hydrogen [8] - 60:1, 64:1, 68:16, 80:22, 88:16, 90:11, 99:18

I

I-70 [1] - 63:12
icon [1] - 34:22
ideal [1] - 31:16
ideas [7] - 13:12, 17:3, 18:8, 19:2, 19:11, 20:11, 27:18
IDEM [50] - 2:10, 2:12, 7:20, 9:16, 10:6, 11:3, 13:10, 14:18, 15:5, 15:20, 17:22, 22:20, 24:8, 25:21, 28:17, 38:10, 38:13, 39:2, 39:4, 39:10, 40:18, 40:22, 41:7, 41:14, 41:15, 41:17, 57:4, 63:22, 64:1, 66:17, 68:11, 80:6, 82:16, 82:19, 87:17, 88:12, 90:10, 90:14, 90:23, 93:1, 98:14, 99:2, 101:6, 105:20, 106:7, 111:1, 112:18, 112:23, 113:23
IDEM's [8] - 7:1, 17:4, 36:5, 59:2, 59:17, 62:19, 87:23, 88:13
identify [2] - 18:6, 34:10
idle [6] - 40:3, 43:4, 43:12, 43:16, 44:9, 44:10
ignore [1] - 100:1
ignored [1] - 59:13
ignoring [2] - 59:3, 90:8
Illinois [3] - 52:19, 53:9, 68:21
illness [1] - 99:13
imagine [1] - 27:14
immigration [1] - 69:1
immune [1] - 58:9

impact [3] - 28:13, 59:1, 85:15
impacted [2] - 66:14, 68:2
impacts [2] - 13:6, 76:23
implement [6] - 8:18, 10:11, 11:15, 37:21, 40:16, 114:13
implementation [2] - 41:4, 103:22
implemented [1] - 59:19
implementing [2] - 98:22, 102:8
implore [1] - 59:5
importance [1] - 75:1
important [15] - 8:16, 18:21, 24:13, 45:7, 52:16, 80:20, 84:22, 87:13, 91:14, 92:8, 92:19, 97:15, 105:1, 105:5, 105:10
impose [3] - 38:14, 38:21, 40:10
imposition [1] - 40:9
improve [5] - 59:7, 60:4, 77:18, 89:17, 90:3
improving [1] - 89:6
include [3] - 64:1, 90:11, 90:16
included [3] - 36:1, 41:9, 105:14
includes [3] - 26:23, 37:16, 106:15
including [6] - 11:3, 13:2, 76:21, 88:19, 98:15, 106:16
income [4] - 68:4, 70:4, 73:2, 74:7
incorporating [1] - 17:6
increase [1] - 92:5
increased [1] - 58:17
increases [1] - 58:1
increasing [1] - 58:15
indeed [1] - 69:7
INDIANA [2] - 1:1, 1:21
Indiana [104] - 1:10, 1:13, 1:14, 1:16, 1:22, 2:8, 3:6, 6:22, 7:10, 11:17, 12:2, 12:5, 12:16, 15:5, 21:2, 21:13, 22:8, 23:2, 28:17, 30:22, 36:3, 36:23, 37:18, 38:7, 39:20, 52:20, 54:5, 56:3, 56:15,

56:22, 59:8, 59:17, 60:16, 60:17, 60:19, 61:1, 61:6, 61:7, 61:12, 61:22, 61:23, 62:1, 62:4, 62:5, 62:13, 62:23, 63:11, 63:19, 64:16, 65:6, 65:11, 65:14, 66:6, 66:18, 66:21, 68:21, 75:5, 75:13, 76:20, 77:7, 77:16, 78:18, 79:10, 79:11, 81:22, 82:7, 83:3, 83:20, 83:23, 84:1, 84:22, 87:9, 87:10, 87:14, 88:2, 88:3, 89:7, 89:10, 89:18, 89:22, 90:18, 91:1, 91:5, 91:6, 91:10, 91:12, 91:13, 91:18, 92:10, 92:15, 92:23, 93:16, 94:17, 95:7, 97:21, 98:1, 99:9, 100:11, 108:3, 112:14, 113:6, 116:4, 116:13
Indiana's [6] - 60:2, 61:17, 64:6, 64:13, 89:15, 103:21
Indianapolis [1] - 1:16
indirectly [1] - 92:18
individual [1] - 77:21
industrial [3] - 61:13, 88:10, 113:5
industries [4] - 67:21, 68:9, 84:17, 98:4
Industrious [1] - 75:8
industry [32] - 61:1, 64:6, 64:9, 65:8, 68:4, 75:9, 80:13, 83:16, 83:17, 83:19, 87:14, 87:16, 87:18, 91:9, 92:1, 92:10, 92:19, 93:5, 93:21, 94:1, 94:9, 94:13, 95:3, 95:19, 95:23, 98:17, 98:21, 99:1, 100:8, 111:3, 114:12
industry's [1] - 87:21
inefficient [2] - 63:18, 89:14
inflammatory [1] - 58:12
Inflation [1] - 28:14
inflow [1] - 23:5
influenza [1] - 114:9
inform [1] - 23:10
information [2] - 12:23, 102:18
informs [1] - 26:16
infrastructure [1] -

15:12
inhibit [1] - 13:9
initial [2] - 46:5, 47:20
initiated [2] - 101:13, 105:2
initiating [1] - 49:16
injures [1] - 58:4
injury [1] - 66:15
Inland [4] - 78:21, 79:8, 79:13, 92:12
inland [1] - 98:5
innovations [1] - 68:14
insights [1] - 23:10
insist [1] - 68:12
inspection [4] - 13:6, 14:17, 36:2, 36:9
inspections [2] - 12:14, 113:13
inspector [1] - 113:23
inspectors [1] - 114:3
inspiring [1] - 67:7
install [3] - 39:21, 43:3, 107:18
installed [1] - 30:16
instance [1] - 103:7
instead [1] - 83:12
instructor [1] - 97:22
insult [1] - 66:15
integrated [1] - 56:1
integrity [1] - 90:21
intellectual [1] - 58:7
interagency [1] - 12:8
interbasin [1] - 11:23
interest [4] - 13:14, 13:18, 15:7, 24:13
interested [1] - 42:11
interesting [1] - 108:5
interference [1] - 76:12
intergovernmental [1] - 28:20
internally [1] - 106:8
international [3] - 106:18, 106:20, 108:8
intersectional [1] - 75:1
introduce [1] - 37:5
introduced [1] - 13:16
inventories [1] - 15:11
inventory [1] - 12:4
invest [1] - 31:1
investment [1] - 28:10
investments [2] - 15:23, 31:17
invite [1] - 66:21
involved [1] - 21:1
iron [20] - 40:2, 44:9,

<p>45:8, 57:8, 59:15, 59:23, 63:8, 75:22, 79:22, 81:2, 81:4, 81:18, 81:21, 81:22, 82:3, 88:15, 89:9, 90:8, 99:18, 100:2</p> <p>irrational [1] - 19:16</p> <p>island [1] - 72:18</p> <p>isolated [1] - 17:13</p> <p>issue [8] - 5:15, 11:20, 24:4, 34:14, 66:13, 72:4, 75:2, 105:1</p> <p>issued [5] - 8:19, 14:6, 26:18, 104:15, 113:22</p> <p>issues [11] - 11:3, 15:7, 15:20, 54:7, 64:15, 67:12, 67:18, 73:18, 105:16, 108:19, 112:5</p> <p>it'd [1] - 91:4</p> <p>it'll [2] - 65:3, 65:4</p> <p>item [2] - 10:23, 32:23</p> <p>Item [1] - 5:16</p> <p>items [2] - 9:8, 32:11</p> <p>itself [2] - 21:15, 101:1</p> <p>IURC [1] - 15:5</p>	<p>K</p> <p>Karla [4] - 2:14, 24:18, 33:1, 35:21</p> <p>Keelyn [4] - 2:13, 37:7, 37:9, 42:2</p> <p>keep [9] - 15:15, 24:8, 24:9, 56:11, 60:2, 84:11, 100:8, 107:18, 115:7</p> <p>keeping [2] - 64:6, 106:6</p> <p>keeps [1] - 82:8</p> <p>Ken [2] - 2:5, 114:20</p> <p>KETZENBERGER [12] - 4:18, 45:17, 45:20, 46:4, 46:7, 46:9, 46:13, 46:16, 52:1, 53:10, 54:8, 111:10</p> <p>Ketzenberger [3] - 2:6, 4:17, 111:9</p> <p>Kevin [2] - 2:15, 33:23</p> <p>key [4] - 8:22, 24:9, 31:5, 67:20</p> <p>keystones [1] - 112:16</p> <p>kick [1] - 49:22</p> <p>kicked [1] - 50:2</p> <p>kicking [1] - 17:2</p> <p>kids [3] - 70:8, 70:9, 71:19</p> <p>killing [1] - 73:1</p> <p>kind [15] - 5:15, 10:7, 16:13, 17:6, 20:2, 23:6, 30:2, 48:11, 48:13, 48:14, 48:22, 55:3, 70:20, 100:14, 106:4</p> <p>KINDRICK [3] - 54:21, 55:3, 55:8</p> <p>Kindrick [2] - 2:14, 35:21</p> <p>kinds [1] - 8:3</p> <p>Kleinman [2] - 78:18</p> <p>knowing [2] - 27:21, 71:17</p> <p>knowledge [1] - 48:16</p> <p>known [2] - 38:14, 88:16</p> <p>knows [1] - 67:18</p> <p>Kozryski [2] - 4:13, 111:7</p> <p>Kozyrski [2] - 2:3, 4:14</p> <p>KOZYRSKI [14] - 4:14, 4:16, 33:17, 33:22, 43:1, 43:14, 44:12, 44:19, 45:11, 78:11, 105:13, 106:2, 108:20, 111:8</p>	<p>L</p> <p>labs [1] - 75:8</p> <p>lady [1] - 85:12</p> <p>Lafayette [2] - 29:23, 30:11</p> <p>lag [1] - 89:7</p> <p>laid [1] - 70:17</p> <p>Lake [25] - 12:18, 37:17, 38:9, 38:23, 40:12, 49:8, 52:21, 52:23, 53:6, 55:23, 56:7, 56:20, 60:22, 61:8, 61:10, 61:11, 62:15, 65:15, 66:9, 84:23, 91:17, 98:13, 99:5, 107:19, 107:21</p> <p>Lakefront [1] - 79:15</p> <p>land [8] - 24:10, 28:9, 28:22, 30:8, 30:11, 31:1, 72:22, 83:1</p> <p>landfills [1] - 23:3</p> <p>lands [1] - 15:18</p> <p>language [1] - 40:22</p> <p>largely [1] - 8:20</p> <p>largest [3] - 10:17, 56:1, 62:6</p> <p>last [18] - 4:23, 5:2, 5:16, 5:18, 21:10, 24:20, 27:12, 27:23, 29:7, 43:13, 47:4, 61:19, 61:20, 72:19, 96:19, 97:18, 112:10, 113:12</p> <p>lasting [1] - 59:6</p> <p>late [2] - 22:6, 53:6</p> <p>latest [1] - 90:5</p> <p>Laughter [3] - 42:20, 55:2, 55:19</p> <p>law [7] - 11:15, 16:22, 19:19, 22:5, 29:19, 104:9, 114:13</p> <p>laws [2] - 17:5, 77:18</p> <p>lawyers [1] - 42:14</p> <p>lead [17] - 3:7, 13:3, 14:7, 33:13, 67:17, 71:14, 71:16, 71:18, 73:17, 73:18, 73:21, 73:23, 85:16, 85:20</p> <p>leading [1] - 60:19</p> <p>learn [3] - 3:8, 67:8, 86:1</p> <p>learned [3] - 48:10, 48:14, 112:21</p> <p>least [5] - 29:7, 36:5, 73:5, 80:23, 93:20</p> <p>leave [4] - 24:15, 72:12, 113:12, 114:22</p> <p>legal [10] - 7:3, 32:9,</p>	<p>36:3, 36:10, 37:11, 63:22, 84:12, 84:13, 84:15, 100:3</p> <p>legislation [7] - 11:2, 11:23, 12:12, 12:15, 13:14, 21:8, 28:16</p> <p>Legislative [1] - 16:20</p> <p>legislative [4] - 8:17, 9:22, 11:1, 22:4</p> <p>legislature [2] - 12:11, 13:11</p> <p>less [10] - 17:8, 21:21, 28:18, 29:9, 39:19, 50:20, 52:12, 59:22, 81:3, 88:14</p> <p>less-polluting [1] - 59:22</p> <p>lessons [1] - 48:10</p> <p>letting [1] - 55:8</p> <p>leukemia [1] - 58:20</p> <p>level [5] - 19:22, 45:10, 56:17, 101:17, 105:4</p> <p>levels [2] - 52:4, 58:22</p> <p>Lewis [4] - 2:19, 69:20, 74:18, 75:7</p> <p>LEWIS [4] - 69:21, 74:21, 76:9, 76:14</p> <p>Lieutenant [2] - 2:9, 7:9</p> <p>life [6] - 69:2, 90:1, 98:20, 99:14, 112:16</p> <p>lifelong [1] - 60:17</p> <p>lift [1] - 43:11</p> <p>likely [6] - 9:20, 10:6, 13:23, 28:2, 29:18, 106:8</p> <p>limit [1] - 103:18</p> <p>limited [4] - 22:12, 22:13, 76:22, 105:4</p> <p>limits [12] - 39:12, 44:14, 84:12, 84:13, 84:15, 87:23, 102:3, 103:14, 103:16, 103:22, 104:4, 104:17</p> <p>Lindy [3] - 1:12, 116:2, 116:11</p> <p>line [6] - 34:6, 35:11, 69:20, 69:23, 74:2, 76:15</p> <p>link [1] - 41:15</p> <p>linked [1] - 58:10</p> <p>listen [3] - 25:5, 84:10, 111:18</p> <p>listened [1] - 85:12</p> <p>listening [1] - 84:10</p> <p>literally [1] - 21:12</p> <p>live [8] - 46:19, 63:9, 63:16, 66:6, 67:4,</p>	<p>70:2, 78:17, 87:8</p> <p>lives [2] - 59:1, 85:13</p> <p>living [5] - 55:15, 55:21, 59:7, 70:12, 77:7</p> <p>LLC [1] - 1:21</p> <p>local [2] - 10:10, 11:16</p> <p>locations [1] - 108:2</p> <p>long-term [1] - 93:19</p> <p>look [27] - 18:4, 22:10, 25:4, 27:12, 27:20, 50:6, 50:7, 50:8, 54:4, 56:7, 70:9, 80:9, 81:12, 81:13, 82:17, 83:21, 85:9, 101:19, 105:7, 106:10, 106:13, 106:14, 106:16, 108:13, 108:18, 111:14</p> <p>looked [4] - 76:20, 82:19, 94:2, 101:16</p> <p>looking [15] - 10:20, 11:21, 18:18, 19:22, 30:20, 53:21, 72:15, 82:5, 82:9, 83:2, 83:14, 86:6, 102:14, 107:8, 113:9</p> <p>looks [1] - 76:14</p> <p>Louisiana [1] - 64:9</p> <p>love [2] - 23:4, 31:12</p> <p>loved [1] - 112:13</p> <p>low [7] - 39:21, 39:22, 68:3, 70:4, 73:2, 74:7, 103:6</p> <p>low-income [1] - 74:7</p> <p>lower [2] - 23:2, 63:7</p> <p>LSA [2] - 32:17, 32:22</p> <p>lunch [1] - 95:8</p> <p>lung [2] - 57:23, 58:16</p> <p>Lung [1] - 66:8</p> <p>lungs [2] - 57:19, 70:11</p> <p>lupus [1] - 58:11</p>
<p>J</p> <p>Jaime [1] - 101:3</p> <p>Jamie [1] - 2:5</p> <p>Jaworowski [1] - 8:1</p> <p>Joanne [2] - 2:4, 46:17</p> <p>job [6] - 12:1, 50:18, 70:23, 85:2, 85:3, 112:20</p> <p>jobs [14] - 61:2, 61:15, 64:21, 65:4, 68:19, 69:6, 70:21, 70:22, 82:8, 84:3, 89:3, 98:18</p> <p>John [4] - 1:11, 2:2, 2:6, 3:5</p> <p>join [1] - 34:7</p> <p>joined [3] - 7:20, 24:21, 35:5</p> <p>joining [2] - 7:14, 34:13</p> <p>journey [1] - 61:8</p> <p>Jr [3] - 1:12, 116:2, 116:11</p> <p>July [2] - 14:12, 16:18</p> <p>JUNE [1] - 1:5</p> <p>June [5] - 1:16, 3:1, 17:21, 115:22, 116:7</p> <p>justice [2] - 74:2, 74:4</p>				
				<p>M</p> <p>mad [1] - 61:23</p> <p>mail [5] - 17:21, 19:1, 33:2, 33:6, 35:7</p> <p>main [4] - 48:16, 49:5, 61:15</p> <p>maintenance [2] - 13:7, 89:5</p> <p>major [5] - 38:7, 38:18, 39:3, 40:11, 40:22</p> <p>man [1] - 97:7</p> <p>managers [1] - 21:11</p> <p>mandatory [1] -</p>

<p>106:15 manufacturing [2] - 45:10, 59:23 March [2] - 5:18, 5:19 margin [1] - 107:12 marginal [1] - 37:18 markedly [1] - 60:4 massive [3] - 56:5, 91:21, 93:6 math [1] - 23:5 matter [3] - 67:10, 69:8, 116:7 matters [5] - 16:7, 16:19, 29:20, 98:19, 112:6 mean [4] - 20:1, 42:15, 94:7, 113:3 means [1] - 80:7 mechanism [2] - 40:7, 46:23 mechanisms [1] - 104:2 media [1] - 35:5 media@idem.in.gov [1] - 35:7 medical [1] - 55:17 meet [3] - 7:22, 90:8, 104:17 MEETING [1] - 1:5 meeting [34] - 3:4, 4:23, 5:1, 5:2, 5:16, 5:18, 5:19, 6:16, 7:15, 7:23, 16:5, 18:14, 21:10, 24:4, 24:21, 33:8, 33:9, 33:11, 34:6, 34:7, 34:9, 34:15, 35:11, 35:13, 35:15, 36:1, 36:6, 36:7, 66:11, 95:20, 112:11, 115:4 meetings [4] - 7:16, 25:2, 48:12, 66:17 members [11] - 6:4, 23:20, 25:12, 25:17, 32:3, 35:5, 35:10, 37:8, 60:14, 109:12, 115:16 MEMBERS [2] - 2:2, 2:12 membrane [1] - 57:19 memorial [1] - 8:8 mental [2] - 71:11, 72:4 mention [5] - 9:6, 9:19, 20:22, 29:13, 59:18 mentioned [7] - 15:9, 43:2, 54:2, 75:12, 75:16, 106:22, 108:11</p>	<p>mentions [1] - 102:19 menu [3] - 34:18, 34:19, 34:21 mercury [1] - 20:5 mess [1] - 96:1 messages [1] - 34:12 met [1] - 50:10 methods [2] - 63:3, 100:1 metropolitan [2] - 107:20, 108:1 Meyer [3] - 1:12, 116:2, 116:11 Michigan [12] - 52:21, 53:3, 53:5, 55:23, 56:13, 60:22, 65:15, 84:23, 91:17, 96:1, 97:8, 107:21 mid-2024 [1] - 39:10 middletown [2] - 99:16, 102:7 Middletown [4] - 59:15, 65:1, 88:20, 88:22 midwest [1] - 51:19 might [4] - 24:2, 42:11, 48:12, 76:14 Mighty [2] - 60:13, 60:16 mighty [1] - 60:22 mike [2] - 55:3, 55:6 Mike [3] - 2:17, 60:12, 60:15 mile [4] - 56:3, 56:9, 63:10, 98:5 miles [1] - 56:4 mill [14] - 64:10, 70:3, 70:13, 70:16, 71:8, 72:2, 72:5, 72:15, 78:21, 79:20, 82:11, 85:13, 98:6, 98:7 million [4] - 30:1, 38:22, 62:15, 89:4 mills [16] - 56:1, 56:18, 56:23, 57:12, 58:23, 62:22, 64:16, 69:3, 71:17, 75:15, 76:19, 80:16, 83:23, 98:3, 99:9, 99:23 minds [1] - 97:12 minimums [1] - 62:6 minor [1] - 32:21 minutes [5] - 5:15, 5:20, 6:17, 66:22, 96:4 mispronounced [1] - 3:22 miss [1] - 114:22 missed [1] - 42:3 missing [1] - 112:12</p>	<p>mobile [3] - 34:20, 52:18, 108:8 mode [1] - 17:16 model [1] - 68:6 Model [3] - 68:7, 76:6, 76:17 modeled [2] - 76:6, 76:22 modeling [3] - 49:14, 50:13, 76:17 moderate [3] - 37:18, 37:21, 53:18 modern [4] - 88:14, 90:16, 92:21, 93:14 modernize [1] - 87:15 modernized [1] - 68:11 modification [1] - 43:15 modified [1] - 38:18 modifying [1] - 43:16 moment [2] - 16:5, 25:11 money [8] - 10:9, 21:21, 27:22, 29:9, 65:4, 71:9, 79:6, 99:22 moneymaker [1] - 93:7 monitor [3] - 53:7, 56:12, 107:21 monitoring [4] - 56:10, 68:2, 108:2 monitors [1] - 53:1 month [3] - 9:21, 26:17, 31:13 months [5] - 12:9, 38:11, 38:20, 45:21, 50:16 moral [1] - 64:3 morning [1] - 29:22 most [14] - 28:9, 38:3, 39:8, 51:19, 53:19, 57:10, 66:13, 79:10, 84:22, 91:20, 92:8, 97:15, 101:23, 112:21 mostly [2] - 28:14, 68:3 Mother [1] - 84:7 mother [3] - 71:4, 71:14, 84:6 motion [5] - 5:4, 5:5, 109:2, 109:5, 115:9 move [7] - 6:9, 8:18, 18:8, 25:6, 61:5, 72:20, 100:22 moved [4] - 5:6, 72:21, 109:7, 115:11 movement [1] - 61:1</p>	<p>moves [1] - 103:20 moving [4] - 48:23, 50:19, 106:5, 114:5 MR [79] - 3:12, 3:14, 3:16, 4:1, 4:3, 4:5, 4:18, 5:6, 34:3, 42:1, 42:18, 43:9, 43:20, 44:4, 44:13, 44:18, 45:6, 45:13, 45:17, 45:20, 46:4, 46:7, 46:9, 46:13, 46:16, 49:6, 50:5, 50:23, 51:20, 52:1, 52:9, 53:10, 53:14, 54:8, 54:9, 60:14, 69:14, 69:17, 69:19, 74:18, 76:13, 78:4, 78:7, 78:10, 78:12, 78:15, 86:10, 86:11, 86:17, 86:18, 86:21, 95:14, 95:16, 96:18, 96:22, 101:11, 102:23, 104:7, 104:8, 104:14, 108:10, 109:7, 109:9, 109:17, 110:2, 110:4, 110:6, 110:13, 110:15, 110:17, 111:10, 111:12, 112:8, 112:10, 114:15, 114:18, 115:1, 115:11, 115:14 MS [54] - 4:9, 4:14, 4:16, 32:7, 33:17, 33:19, 33:22, 33:23, 37:8, 42:21, 43:1, 43:7, 43:11, 43:14, 43:19, 44:2, 44:12, 44:19, 45:11, 45:19, 46:2, 46:6, 46:8, 46:12, 46:15, 47:12, 48:5, 48:16, 54:21, 55:3, 55:8, 65:23, 66:2, 69:21, 70:1, 74:21, 76:9, 76:14, 78:11, 86:19, 86:22, 87:5, 87:7, 95:11, 97:2, 97:6, 101:3, 102:17, 104:6, 105:13, 106:2, 108:20, 110:21, 111:8 multiple [3] - 58:12, 67:8, 67:13 museums [1] - 8:7 must [11] - 34:11, 67:15, 68:11, 68:18, 69:5, 69:6, 88:12, 88:14, 90:11, 90:15</p>	<p>mutations [1] - 58:15 mute [1] - 76:15 muted [1] - 34:6</p> <p style="text-align: center;">N</p> <p>NAAQS [3] - 37:19, 105:17, 106:20 name [13] - 3:5, 30:13, 32:8, 36:16, 37:9, 55:14, 60:15, 66:4, 70:1, 75:7, 78:16, 97:18 name's [2] - 44:5, 87:8 names [1] - 54:23 nasty [1] - 71:6 nation [3] - 66:8, 68:20, 99:6 nation's [1] - 60:21 national [5] - 91:16, 91:19, 91:20, 91:22 National [1] - 12:20 nationally [1] - 89:23 natural [4] - 7:14, 8:2, 15:10, 108:7 Natural [1] - 7:23 nay [1] - 110:2 near [2] - 29:19, 30:4 nearby [1] - 90:4 nearly [5] - 60:20, 87:11, 92:16, 93:21, 94:3 necessarily [3] - 6:18, 52:19, 113:4 necessary [2] - 52:7, 90:19 need [25] - 12:3, 14:22, 15:3, 23:13, 24:5, 61:4, 64:21, 80:5, 80:21, 80:22, 81:6, 81:12, 82:4, 82:13, 82:16, 83:5, 83:9, 84:14, 85:1, 85:7, 85:8, 85:9, 87:17, 98:18, 115:9 needs [2] - 85:3, 85:4 negative [1] - 10:1 neglected [1] - 62:9 neighboring [1] - 94:15 nervous [1] - 58:4 nestled [1] - 55:23 net [1] - 52:11 neurologic [1] - 58:6 neurological [2] - 94:4, 94:6 never [1] - 70:13 new [22] - 7:8, 7:13, 7:16, 7:19, 8:13, 12:23, 13:8, 15:20,</p>
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

24:19, 27:14, 30:13,
38:18, 39:14, 40:16,
48:18, 64:10, 65:3,
80:19, 83:2, 96:10,
100:2, 102:20

newer [1] - 100:10

News [1] - 67:5

news [3] - 61:20,
77:10

next [16] - 10:3, 12:9,
26:14, 33:8, 33:9,
33:11, 54:14, 60:12,
61:5, 63:16, 65:9,
73:12, 86:16, 90:23,
95:7, 115:4

NIEMIEC [4] - 3:20,
5:9, 110:9, 110:11

Niemiec [5] - 2:4,
3:20, 110:7, 110:8,
110:9

Nieminic [1] - 3:17

night [3] - 61:20,
72:17

Nippon [1] - 82:5

nitrogen [15] - 37:2,
37:23, 56:18, 56:19,
57:1, 57:2, 57:9,
62:19, 88:1, 88:9,
89:1, 89:8, 90:7,
90:15, 93:15

nitrous [2] - 87:22,
88:7

nobody [1] - 72:6

noes [1] - 111:19

noise [1] - 76:8

nonattainment [13] -
12:20, 13:5, 13:8,
37:15, 37:18, 37:21,
38:17, 45:22, 47:9,
53:12, 56:14,
105:17, 107:22

noncompliance [2] -
50:8, 62:21

nonvoting [1] - 2:11

norm [1] - 6:18

north [3] - 36:4, 53:7,
61:11

Northeast [1] - 52:19

northeast [1] - 53:9

northern [3] - 37:17,
38:9, 40:11

Northwest [26] -
12:15, 62:12, 65:11,
66:5, 66:18, 75:13,
76:2, 76:20, 77:7,
79:11, 82:7, 83:3,
83:23, 84:1, 84:22,
87:9, 87:14, 90:18,
91:1, 91:5, 91:6,
91:10, 92:9, 93:16,

97:20, 100:11

northwest [11] -
52:20, 54:4, 61:17,
66:21, 75:5, 77:16,
83:19, 92:15, 92:23,
95:7, 98:1

nos [1] - 88:9

nose [1] - 71:3

not-too-distant [2] -
9:14, 12:7

Notary [3] - 1:12,
116:3, 116:12

note [1] - 103:13

noted [1] - 39:23

notes [1] - 8:12

nothing [2] - 81:3,
83:13

notice [2] - 40:18,
41:1

November [3] - 38:11,
45:23, 50:1

NOx [35] - 24:14,
32:14, 33:12, 36:21,
37:1, 37:23, 38:1,
38:3, 38:7, 39:7,
39:21, 39:22, 40:10,
40:14, 49:10, 53:23,
59:17, 63:7, 66:7,
66:14, 75:2, 75:13,
76:21, 76:22, 98:14,
99:1, 99:8, 99:13,
100:23, 101:20,
102:16, 103:6,
104:2, 111:3

NP0690003 [1] -
116:16

NPDES [1] - 22:23

nuclear [1] - 15:3

number [8] - 29:14,
40:19, 56:13, 75:3,
75:11, 76:21, 91:10,
91:23

numbers [2] - 76:5,
106:6

NWI [1] - 55:12

O

o'clock [3] - 1:17, 3:1,
115:22

Obama [1] - 27:16

objective [1] - 83:12

obligations [1] - 90:13

obviously [9] - 13:18,
18:13, 18:20, 19:21,
30:21, 87:12, 91:3,
108:14, 114:5

occurring [1] - 66:12

oceanfront [1] - 30:4

October [3] - 16:19,

37:15, 38:6

OF [3] - 1:1, 1:5, 1:21

office [5] - 14:12,
30:14, 32:9, 37:11,
103:4

Office [10] - 11:17,
12:10, 16:20, 20:13,
24:21, 25:1, 36:3,
36:10, 44:6, 101:12

Offices [1] - 30:16

official [1] - 36:14

officials [1] - 90:15

offset [5] - 38:15,
38:17, 38:20, 47:5,
48:3

offsets [2] - 47:6, 47:8

often [1] - 38:4

Ogden [2] - 55:16,
55:21

Ohio [7] - 21:10,
59:16, 65:14, 88:20,
99:16, 102:2, 102:7

Ohio's [1] - 102:5

old [4] - 63:1, 85:21,
99:10, 99:11

Oles [3] - 2:17, 60:13,
60:15

OLES [2] - 60:14,
108:10

on-line [5] - 34:6,
35:11, 69:20, 69:23,
76:15

once [4] - 16:18,
49:15, 71:7, 100:13

one [74] - 6:16, 8:11,
11:21, 14:2, 14:4,
16:9, 16:12, 16:15,
18:13, 18:22, 20:20,
20:22, 22:21, 25:19,
30:15, 31:9, 36:5,
38:15, 39:19, 39:22,
42:1, 42:8, 43:2,
43:5, 43:15, 43:16,
44:7, 46:7, 49:5,
50:9, 51:1, 51:23,
52:12, 56:10, 56:12,
61:15, 62:6, 64:8,
64:15, 66:22, 70:3,
71:11, 73:7, 75:23,
76:1, 79:4, 79:10,
82:7, 84:19, 84:20,
86:23, 91:10, 91:16,
91:20, 91:23, 92:11,
94:18, 96:19,
101:21, 102:17,
103:7, 104:3,
104:21, 105:5,
111:15, 112:16,
112:21, 112:23,
113:4, 113:18

ones [2] - 15:21, 49:2

open [7] - 9:12, 17:16,
25:16, 36:9, 62:11,
62:12, 97:11

Open [1] - 34:8

open-ended [1] - 9:12

opened [1] - 20:2

openly [1] - 23:19

operate [1] - 68:5

operated [1] - 76:1

operating [2] - 15:14,
89:2

operation [4] - 12:13,
45:8, 113:23, 114:8

operations [2] - 17:13,
40:5

opinion [1] - 113:2

opportunities [4] -
10:20, 13:2, 24:7,
26:7

opportunity [12] -
12:22, 14:19, 17:20,
19:10, 20:10, 20:16,
20:20, 22:16, 27:20,
31:21, 41:7, 77:15

oppose [1] - 40:1

opposed [3] - 6:5,
109:13, 115:17

option [2] - 35:1,
103:8

options [1] - 29:14

orange [1] - 79:14

order [7] - 3:4, 3:10,
16:12, 18:6, 49:17,
49:18, 68:19

orders [13] - 8:19,
11:22, 14:5, 14:6,
14:21, 15:3, 16:6,
18:2, 19:10, 19:15,
20:1, 29:15, 105:6

ore [1] - 79:22

organ [1] - 57:21

organization [1] -
48:19

organizations [3] -
22:3, 28:20, 41:6

organize [1] - 97:23

otherwise [1] - 22:3

ourselves [1] - 85:10

outcomes [2] - 77:6

outcompeting [1] -
16:1

outdated [5] - 62:17,
63:6, 68:10, 88:5,
100:1

outlined [1] - 103:17

outset [1] - 55:16

outside [2] - 12:16,
66:22

ovary [1] - 58:18

over-fire [1] - 103:7

overall [2] - 26:20,
40:6

overlooked [1] - 62:10

overseeing [1] - 8:5

own [2] - 14:19, 39:5

owned [1] - 112:23

oxide [11] - 57:2,
62:19, 87:22, 88:1,
88:8, 88:9, 89:1,
89:8, 90:7, 90:16,
93:15

oxides [5] - 37:2,
37:23, 56:19, 57:1,
57:10

oxygen [1] - 57:6

ozone [17] - 12:20,
37:19, 38:5, 49:8,
51:2, 51:3, 51:5,
52:15, 52:17, 52:23,
54:4, 56:12, 56:15,
56:17, 58:22, 90:12,
107:14

P

p.m [3] - 1:17, 3:1,
115:22

pace [1] - 30:17

package [1] - 19:3

packages [1] - 25:3

packet [2] - 33:3, 36:4

packets [1] - 36:1

page [1] - 36:11

paint [5] - 71:15,
73:19, 73:20, 73:21

pancreas [1] - 58:19

pantries [1] - 70:19

paperboard [1] - 30:7

paperwork [1] - 44:1

paragraphs [1] -
106:12

pardon [1] - 69:18

parents [1] - 70:7

park [5] - 30:5, 30:6,
91:19, 91:22

Parkinson's [2] - 58:7,
94:5

parks [3] - 8:6, 91:16,
91:20

part [10] - 8:2, 9:1,
9:21, 30:8, 40:2,
43:13, 50:15,
107:20, 112:17,
113:21

partially [1] - 26:16

participants [3] - 34:6,
34:7, 34:11

participating [2] -
15:21, 18:14

<p>particular [2] - 91:7, 101:14</p> <p>particularly [1] - 54:6</p> <p>partner [1] - 30:20</p> <p>parts [3] - 107:13, 108:3, 108:7</p> <p>pass [5] - 46:2, 46:9, 47:6, 57:20, 68:5</p> <p>passed [4] - 21:8, 29:5, 45:23, 95:4</p> <p>past [5] - 7:7, 23:7, 31:19, 66:18, 96:3</p> <p>path [1] - 25:10</p> <p>pathogens [1] - 114:9</p> <p>pathways [1] - 90:9</p> <p>pay [6] - 22:22, 93:9, 93:18, 93:19, 94:10, 104:19</p> <p>paying [3] - 62:16, 104:10, 104:12</p> <p>PCB's [1] - 30:9</p> <p>pebble [1] - 68:22</p> <p>peers [1] - 89:16</p> <p>Pennsylvania [3] - 63:13, 63:18, 89:13</p> <p>people [34] - 46:19, 59:8, 62:13, 65:10, 67:18, 72:8, 72:20, 72:23, 73:8, 74:7, 74:8, 79:20, 82:21, 83:1, 83:11, 84:21, 85:11, 91:6, 91:7, 92:9, 92:16, 92:23, 93:3, 93:19, 94:11, 94:15, 94:20, 95:1, 96:4, 99:15, 112:17, 112:18, 113:1, 113:3</p> <p>per [15] - 38:3, 39:7, 40:14, 53:22, 57:2, 63:7, 63:16, 88:8, 89:2, 89:8, 89:9, 107:13, 108:3, 108:7</p> <p>percent [5] - 29:10, 50:9, 52:12, 60:21, 89:23</p> <p>percentage [1] - 22:14</p> <p>perfect [1] - 113:7</p> <p>perfectly [1] - 55:14</p> <p>perhaps [3] - 7:15, 66:19, 105:19</p> <p>period [7] - 16:11, 40:18, 46:5, 47:21, 48:9, 85:22, 107:3</p> <p>periods [1] - 56:14</p> <p>permanent [1] - 89:3</p> <p>permeate [1] - 57:18</p> <p>permit [11] - 14:17, 22:10, 22:23, 27:8, 44:16, 103:19, 103:23, 104:11,</p>	<p>104:14, 104:18, 113:22</p> <p>permits [1] - 10:16</p> <p>permitting [7] - 10:15, 12:13, 14:15, 21:7, 21:17, 23:16, 27:6</p> <p>person [3] - 73:10, 91:5, 92:17</p> <p>personnel [2] - 29:21, 31:2</p> <p>perspective [1] - 105:11</p> <p>perspectives [1] - 18:16</p> <p>PFAS [1] - 13:15</p> <p>phone [1] - 87:2</p> <p>photochemical [1] - 49:13</p> <p>physician [2] - 55:15, 57:13</p> <p>picture [1] - 31:14</p> <p>picture's [1] - 82:20</p> <p>pie [4] - 10:7, 10:8, 10:14, 10:18</p> <p>piece [4] - 10:8, 10:14, 10:17, 104:21</p> <p>pieces [2] - 10:7, 11:2</p> <p>pig [2] - 81:20, 81:21</p> <p>pillars [1] - 31:5</p> <p>pipes [1] - 73:23</p> <p>Pittsburgh [1] - 63:12</p> <p>place [12] - 8:17, 10:23, 11:9, 31:16, 40:6, 47:7, 49:18, 51:8, 72:21, 92:22, 102:7, 107:10</p> <p>plan [8] - 15:4, 15:22, 41:4, 62:19, 83:19, 93:13, 98:14, 103:22</p> <p>planned [2] - 39:16, 90:10</p> <p>planning [3] - 12:1, 15:10, 33:13</p> <p>plant [11] - 40:2, 44:9, 59:16, 63:13, 64:11, 64:12, 64:15, 71:3, 76:20, 81:23, 88:20</p> <p>plants [6] - 50:11, 61:5, 63:1, 63:5, 64:18, 99:7</p> <p>play [1] - 51:13</p> <p>playbook [1] - 21:13</p> <p>playing [1] - 18:21</p> <p>plumes [1] - 56:6</p> <p>plus [1] - 84:2</p> <p>podium [1] - 66:3</p> <p>point [13] - 14:7, 48:9, 50:9, 58:21, 67:19, 68:18, 73:10, 81:8, 81:9, 82:22, 84:17,</p>	<p>95:17, 112:23</p> <p>Pointe [1] - 1:21</p> <p>pointed [1] - 99:15</p> <p>points [3] - 95:18, 96:7, 96:9</p> <p>poison [1] - 67:23</p> <p>poisoned [1] - 85:18</p> <p>poisoning [2] - 82:23, 85:16</p> <p>Poland [1] - 98:3</p> <p>policy [1] - 66:5</p> <p>pollutant [1] - 38:3</p> <p>pollutants [6] - 57:11, 57:18, 75:4, 75:14, 76:21, 77:13</p> <p>polluted [4] - 79:11, 82:13, 94:1, 99:6</p> <p>polluters [5] - 59:3, 62:19, 88:10, 93:15, 99:8</p> <p>polluting [8] - 59:22, 63:19, 68:10, 84:11, 85:3, 88:6, 88:14, 89:14</p> <p>pollution [31] - 57:15, 57:17, 57:22, 58:3, 58:9, 58:17, 58:21, 58:23, 61:22, 61:23, 62:4, 62:13, 63:14, 65:3, 67:20, 67:22, 75:2, 75:13, 77:8, 77:12, 79:2, 79:15, 79:17, 84:16, 84:19, 86:7, 88:10, 89:7, 99:1, 99:19, 108:10</p> <p>Ponds [1] - 1:21</p> <p>poor [2] - 70:18, 74:7</p> <p>pop [1] - 34:20</p> <p>population [1] - 61:19</p> <p>populations [1] - 62:7</p> <p>Porter [16] - 12:18, 37:17, 38:9, 39:1, 40:12, 49:8, 55:22, 56:20, 61:8, 61:10, 61:12, 62:16, 66:6, 66:9, 98:13, 107:19</p> <p>portion [4] - 34:9, 36:21, 83:22, 100:21</p> <p>portions [3] - 12:18, 37:17, 57:18</p> <p>positions [1] - 31:3</p> <p>positive [1] - 31:4</p> <p>possible [2] - 18:17, 33:7</p> <p>possibly [1] - 67:16</p> <p>posted [1] - 36:11</p> <p>potential [3] - 15:4, 38:2, 102:22</p> <p>potentially [4] - 11:19, 15:18, 22:10, 22:21</p>	<p>power [3] - 20:7, 68:16, 81:7</p> <p>powerful [2] - 74:9, 74:22</p> <p>powerhouse [2] - 61:13, 91:11</p> <p>praying [2] - 74:3, 74:4</p> <p>precedent [3] - 101:18, 101:22, 101:23</p> <p>precursor [1] - 38:5</p> <p>prefer [2] - 33:4, 33:5</p> <p>preference [1] - 33:2</p> <p>preferences [1] - 32:19</p> <p>preliminarily [1] - 41:18</p> <p>preliminary [3] - 36:21, 37:1, 100:22</p> <p>premature [2] - 77:2, 89:19</p> <p>premier [2] - 91:16, 94:18</p> <p>prepare [2] - 15:1, 25:3</p> <p>present [6] - 4:1, 4:3, 4:5, 4:18, 23:7, 37:7</p> <p>presented [1] - 41:18</p> <p>presenting [1] - 33:12</p> <p>President [2] - 26:18, 29:19</p> <p>president [1] - 14:7</p> <p>President's [2] - 26:17, 29:12</p> <p>Press [1] - 66:5</p> <p>presume [1] - 48:8</p> <p>presumptive [3] - 102:3, 103:14, 104:4</p> <p>pretty [7] - 10:14, 10:19, 25:15, 31:18, 50:18, 82:20, 93:22</p> <p>prevent [1] - 40:8</p> <p>preview [1] - 9:9</p> <p>previous [2] - 51:7, 77:20</p> <p>previously [1] - 106:22</p> <p>price [2] - 62:17, 104:10</p> <p>primarily [3] - 11:5, 51:4, 52:18</p> <p>primary [4] - 28:8, 51:15, 56:1, 92:11</p> <p>priorities [2] - 31:4, 31:6</p> <p>priority [3] - 11:4, 49:1, 80:14</p> <p>privilege [1] - 113:8</p> <p>problem [17] - 42:8,</p>	<p>48:15, 54:4, 54:6, 62:20, 70:14, 70:15, 73:3, 80:8, 80:10, 82:18, 84:1, 84:3, 108:4, 115:6</p> <p>problems [1] - 94:5</p> <p>proceed [2] - 109:2, 109:6</p> <p>PROCEEDINGS [1] - 1:9</p> <p>proceedings [2] - 115:21, 116:6</p> <p>process [21] - 3:8, 7:18, 12:8, 17:17, 19:6, 25:7, 26:11, 26:15, 28:12, 40:17, 47:17, 49:17, 59:23, 68:18, 74:12, 98:16, 99:21, 102:13, 106:7, 106:10, 112:17</p> <p>processes [1] - 9:11</p> <p>produced [3] - 38:4, 57:3, 60:1</p> <p>producer [2] - 60:20, 93:7</p> <p>producers [1] - 91:10</p> <p>producing [2] - 63:3, 64:17</p> <p>product [1] - 56:17</p> <p>production [6] - 15:12, 40:2, 57:7, 61:6, 90:9, 90:18</p> <p>productive [1] - 30:11</p> <p>professor [1] - 3:6</p> <p>profit [1] - 93:6</p> <p>profound [3] - 57:9, 59:1, 59:6</p> <p>program [8] - 12:14, 21:22, 25:1, 41:19, 43:17, 47:14, 49:4, 71:21</p> <p>programs [11] - 13:7, 17:10, 22:20, 23:9, 23:12, 24:10, 26:23, 27:8, 27:11, 28:14, 29:11</p> <p>progress [1] - 98:16</p> <p>progression [1] - 48:17</p> <p>projects [1] - 18:7</p> <p>prominently [1] - 17:22</p> <p>prompted [1] - 16:12</p> <p>promptly [2] - 112:4, 112:5</p> <p>pronounce [1] - 54:23</p> <p>pronounced [1] - 55:13</p> <p>proof [2] - 68:19, 69:5</p>
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<p>proper [1] - 80:2</p> <p>proposal [2] - 109:3, 112:2</p> <p>propose [1] - 87:17</p> <p>proposed [5] - 29:11, 37:6, 59:17, 88:1, 90:7</p> <p>prosperity [1] - 114:23</p> <p>prostate [1] - 58:19</p> <p>protect [13] - 11:10, 77:18, 85:1, 90:19, 92:22, 94:14, 94:16, 98:12, 99:3, 100:5, 100:6</p> <p>protected [2] - 91:15, 92:3</p> <p>protecting [3] - 23:14, 64:5, 85:10</p> <p>Protection [2] - 70:6, 76:18</p> <p>protection [2] - 76:7, 80:2</p> <p>protections [1] - 11:9</p> <p>protective [1] - 107:11</p> <p>proud [3] - 60:19, 68:20, 69:4</p> <p>proven [5] - 59:18, 63:23, 68:13, 88:12, 100:4</p> <p>provide [7] - 17:20, 19:11, 25:5, 25:9, 30:23, 41:7, 97:1</p> <p>provided [5] - 11:18, 39:10, 41:15, 47:21, 102:19</p> <p>provides [2] - 46:23, 98:17</p> <p>providing [3] - 15:15, 35:14, 44:11</p> <p>provisions [6] - 6:22, 13:17, 16:14, 22:7, 106:21, 107:16</p> <p>proximity [1] - 53:5</p> <p>proxy [1] - 7:8</p> <p>Proxy [2] - 2:8, 2:9</p> <p>prudent [1] - 55:1</p> <p>PUBLIC [2] - 1:5, 2:16</p> <p>public [22] - 7:6, 11:10, 17:17, 17:19, 18:14, 24:14, 36:2, 36:9, 36:20, 36:22, 41:11, 54:20, 77:18, 89:6, 89:17, 90:19, 97:15, 98:12, 99:3, 100:21, 108:17, 113:2</p> <p>Public [3] - 1:12, 116:3, 116:12</p> <p>public's [1] - 25:6</p> <p>publications [1] -</p>	<p>57:16</p> <p>pull [1] - 55:3</p> <p>pulled [1] - 107:23</p> <p>pushes [1] - 53:1</p> <p>put [4] - 51:8, 64:15, 83:3, 92:22</p> <p>puts [1] - 40:6</p> <p>Q</p> <p>Quality [3] - 12:21, 25:1, 101:12</p> <p>quality [14] - 12:15, 24:10, 31:1, 44:6, 46:20, 58:23, 66:10, 66:19, 67:6, 82:1, 90:4, 98:20, 99:14, 108:2</p> <p>quantify [1] - 25:22</p> <p>quasi [1] - 8:11</p> <p>quasi-agencies [1] - 8:11</p> <p>questioner [1] - 47:4</p> <p>questions [21] - 19:15, 25:12, 25:17, 32:3, 33:16, 35:2, 35:8, 35:13, 35:14, 40:19, 41:20, 41:22, 42:23, 46:18, 54:17, 60:7, 65:18, 69:11, 86:11, 86:12, 86:18</p> <p>quick [9] - 9:7, 9:19, 14:2, 30:17, 32:23, 42:3, 44:21, 45:17, 52:1</p> <p>quicker [1] - 8:20</p> <p>quickly [5] - 14:16, 25:15, 48:21, 106:5, 113:22</p> <p>quit [2] - 70:8, 82:23</p> <p>quite [1] - 55:1</p> <p>quorum [2] - 3:10, 4:22</p> <p>R</p> <p>RACT [32] - 24:14, 32:14, 33:12, 36:21, 37:2, 37:23, 38:1, 38:7, 39:6, 39:11, 39:12, 40:10, 40:12, 42:12, 43:3, 49:10, 59:17, 59:21, 75:19, 88:13, 90:5, 90:7, 90:11, 90:16, 100:23, 101:8, 101:17, 101:20, 102:1, 102:8, 105:3, 111:3</p> <p>raise [2] - 36:15, 114:8</p>	<p>raised [4] - 34:15, 34:16, 34:23, 35:1</p> <p>ran [1] - 61:20</p> <p>range [1] - 77:4</p> <p>rank [1] - 57:1</p> <p>ranked [1] - 99:5</p> <p>rare [1] - 15:17</p> <p>rates [1] - 8:5</p> <p>ratio [1] - 38:16</p> <p>RCRA [1] - 27:9</p> <p>reached [1] - 81:8</p> <p>reaching [1] - 106:8</p> <p>read [4] - 5:17, 44:21, 44:22, 47:10</p> <p>reading [2] - 3:9, 5:23</p> <p>readings [1] - 53:4</p> <p>ready [5] - 4:22, 33:14, 64:12, 112:3, 115:12</p> <p>real [7] - 8:13, 19:2, 64:22, 77:6, 88:21, 96:11, 112:16</p> <p>realize [4] - 25:20, 85:15, 87:13, 97:13</p> <p>really [26] - 6:19, 7:7, 7:16, 9:15, 14:18, 25:4, 25:8, 26:20, 30:19, 42:11, 43:21, 46:20, 50:5, 51:1, 51:15, 51:17, 66:15, 74:22, 75:11, 76:23, 77:14, 95:2, 95:6, 104:23, 105:3, 112:13</p> <p>reason [3] - 48:17, 56:16, 81:19</p> <p>reasonable [2] - 42:12, 42:16</p> <p>reasonably [6] - 37:3, 37:22, 42:4, 42:5, 75:19</p> <p>reasons [3] - 49:5, 52:5, 113:5</p> <p>rebuild [1] - 81:19</p> <p>rebuilding [1] - 81:16</p> <p>receive [3] - 33:3, 33:4, 33:6</p> <p>received [1] - 40:19</p> <p>recent [1] - 101:23</p> <p>recently [4] - 28:15, 29:17, 53:19, 80:7</p> <p>reclaimed [1] - 15:18</p> <p>reclassified [1] - 53:20</p> <p>recognize [4] - 73:9, 73:10, 111:1, 113:4</p> <p>recognized [2] - 58:5, 58:16</p> <p>recommendations [1] - 59:5</p> <p>reconciliation [1] -</p>	<p>28:12</p> <p>reconsider [1] - 86:5</p> <p>reconsiderations [2] - 20:3, 29:15</p> <p>record [3] - 29:8, 37:6, 109:21</p> <p>Recovery [1] - 10:12</p> <p>recovery [1] - 15:18</p> <p>red [1] - 18:10</p> <p>redevelop [1] - 30:3</p> <p>reduce [5] - 52:3, 77:12, 90:2, 93:15, 98:14</p> <p>reduced [14] - 21:19, 26:19, 39:8, 40:14, 57:7, 59:15, 59:23, 68:14, 75:22, 89:23, 99:13, 99:17, 100:2, 102:16</p> <p>reducing [1] - 27:20</p> <p>reduction [6] - 29:10, 81:2, 81:4, 81:18, 82:3, 88:15</p> <p>Reduction [1] - 28:15</p> <p>reductions [10] - 12:17, 13:3, 38:16, 44:17, 52:7, 57:9, 89:1, 89:2, 103:9, 106:14</p> <p>reflect [1] - 90:5</p> <p>regard [4] - 47:13, 47:19, 52:14, 104:22</p> <p>regarding [1] - 40:17</p> <p>region [6] - 16:1, 30:21, 39:4, 66:18, 97:20, 105:17</p> <p>regional [3] - 12:4, 30:15, 90:12</p> <p>Regional [4] - 20:13, 30:13, 30:16, 105:16</p> <p>regular [2] - 30:3, 66:23</p> <p>regularly [1] - 22:9</p> <p>regulate [1] - 59:3</p> <p>regulated [2] - 22:2, 40:20</p> <p>regulation [5] - 16:16, 19:17, 19:19, 20:1, 45:2</p> <p>regulations [11] - 9:18, 15:1, 16:4, 16:21, 18:19, 20:18, 25:10, 87:18, 87:19, 95:4, 113:6</p> <p>regulators [1] - 93:11</p> <p>regulatory [13] - 12:17, 13:21, 15:6, 17:15, 22:9, 31:6, 49:17, 52:10, 90:20, 99:3, 101:16,</p>	<p>104:22, 105:3</p> <p>rehired [1] - 70:22</p> <p>reinvested [1] - 28:7</p> <p>related [11] - 11:23, 13:16, 16:14, 16:15, 19:9, 20:4, 21:5, 62:20, 88:1, 98:4, 106:21</p> <p>relatively [2] - 7:12, 7:19</p> <p>relatives [1] - 98:6</p> <p>release [2] - 57:9, 58:13</p> <p>relevant [1] - 75:11</p> <p>relied [3] - 39:4, 39:11, 102:5</p> <p>relief [1] - 12:18</p> <p>relined [1] - 99:21</p> <p>rely [2] - 9:10, 88:5</p> <p>remain [2] - 63:19, 89:15</p> <p>remind [1] - 35:10</p> <p>reminder [1] - 35:19</p> <p>removed [3] - 47:8, 47:23, 48:1</p> <p>removing [1] - 102:12</p> <p>renewable [9] - 9:8, 60:1, 80:9, 80:10, 80:15, 80:20, 80:21, 88:17, 99:19</p> <p>repeat [2] - 35:13, 43:13</p> <p>replace [1] - 39:16</p> <p>replacing [1] - 102:12</p> <p>report [9] - 6:10, 12:10, 13:11, 14:17, 16:17, 32:6, 45:3, 56:11, 67:6</p> <p>reported [2] - 76:19, 104:18</p> <p>reporter [5] - 36:14, 36:17, 42:11, 67:9</p> <p>REPORTER [2] - 111:16, 111:20</p> <p>Reporter [1] - 116:3</p> <p>reporting [1] - 18:5</p> <p>REPORTING [1] - 1:21</p> <p>reports [1] - 23:6</p> <p>represent [1] - 112:15</p> <p>representative [1] - 7:5</p> <p>representatives [1] - 28:23</p> <p>representing [1] - 55:11</p> <p>reproductive [1] - 67:13</p> <p>request [4] - 26:17, 26:19, 41:5, 41:14</p> <p>requests [2] - 9:13,</p>
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

41:17
require [3] - 40:4,
 43:15, 54:3
required [10] - 37:14,
 39:14, 39:21, 40:15,
 41:8, 43:3, 89:5,
 95:21, 102:20,
 104:16
requirement [4] -
 40:1, 40:13, 101:15,
 105:9
requirements [14] -
 7:3, 13:8, 13:9, 17:4,
 18:5, 40:8, 40:10,
 41:2, 47:1, 49:18,
 53:17, 104:1, 104:5,
 111:4
requires [5] - 37:20,
 38:1, 38:10, 38:15,
 90:5
Research [1] - 10:12
resident [1] - 97:20
residents [5] - 61:11,
 62:8, 62:15, 89:22,
 100:10
residing [1] - 116:3
resolved [1] - 40:21
Resources [2] - 7:14,
 8:3
resources [2] - 8:1,
 30:23
responded [3] - 6:4,
 109:12, 115:16
response [21] - 3:18,
 4:7, 4:20, 6:6, 32:4,
 35:14, 39:2, 41:16,
 54:18, 60:8, 65:19,
 69:12, 86:14, 96:21,
 100:19, 108:23,
 109:4, 109:14,
 110:19, 115:3,
 115:18
responsibilities [1] -
 27:6
responsibility [3] -
 28:8, 63:22, 100:4
responsible [1] -
 54:10
restore [1] - 27:21
restored [1] - 28:1
result [2] - 102:8,
 103:2
resulted [1] - 22:4
resulting [1] - 102:11
results [1] - 99:13
retardation [1] - 71:12
retired [4] - 40:4,
 55:15, 78:20, 97:21
return [2] - 30:2, 35:15
reuse [1] - 11:20

revenue [3] - 10:1,
 22:18, 23:13
revenues [1] - 24:8
Review [1] - 29:16
review [9] - 13:8, 15:1,
 22:9, 41:7, 41:11,
 49:1, 105:17,
 105:22, 106:17
reviewing [2] - 16:4,
 33:20
revise [1] - 90:15
revisit [1] - 18:19
revisiting [1] - 13:23
rheumatoid [1] -
 58:11
rid [1] - 73:20
right-sizing [1] - 19:23
rigorous [2] - 7:1,
 113:2
rim [1] - 56:8
risk [7] - 13:21, 25:23,
 58:1, 58:5, 58:15,
 58:18, 89:23
river [2] - 79:1, 81:23
River [2] - 30:4, 65:14
River's [1] - 82:2
riverfront [1] - 30:6
road [3] - 65:2, 78:18,
 82:11
Robinson [1] - 62:3
role [3] - 18:21, 75:9,
 87:21
roles [1] - 30:18
roll [4] - 4:22, 109:17,
 109:20, 109:23
room [3] - 35:9, 46:19,
 59:4
Room [1] - 1:15
roughly [1] - 62:15
row [1] - 50:3
Rule [1] - 24:15
rule [39] - 24:23, 25:3,
 32:14, 35:23, 36:22,
 37:4, 37:6, 37:7,
 37:10, 39:15, 39:18,
 40:9, 40:22, 41:3,
 41:9, 41:18, 43:6,
 44:14, 45:22, 46:10,
 47:16, 47:18, 47:22,
 48:17, 52:2, 68:4,
 95:19, 95:20, 96:8,
 96:12, 100:23,
 101:1, 101:9, 102:5,
 102:21, 103:14,
 103:17, 103:20,
 105:7
rulemaking [13] -
 7:18, 9:12, 24:13,
 32:6, 33:18, 37:12,
 40:6, 40:17, 41:13,

46:23, 50:17,
 101:14, 104:3
rulemakings [3] - 7:1,
 9:16, 13:2
RULES [1] - 1:1
rules [16] - 6:23, 17:4,
 20:3, 25:3, 29:17,
 32:9, 37:10, 49:1,
 65:5, 65:6, 65:13,
 85:5, 88:1, 90:7,
 90:16, 98:22
Rules [5] - 1:10,
 24:17, 24:18, 36:11,
 36:23
RULON [14] - 3:14,
 43:20, 44:18, 50:5,
 51:20, 95:16, 104:8,
 109:17, 110:4,
 112:8, 112:10,
 114:15, 114:18,
 115:1
Rulon [3] - 2:5, 3:13,
 110:3
rulon [1] - 101:5
run [1] - 17:11
running [3] - 15:16,
 24:8, 73:13
runs [2] - 21:4, 62:10
Russian [1] - 11:10

S

sacrifice [3] - 61:14,
 94:23, 98:19
safe [4] - 27:8, 68:8,
 73:5, 82:9
safer [2] - 64:19, 65:7
safety [6] - 92:9,
 92:22, 93:3, 95:1,
 98:22, 107:13
sanction [9] - 38:15,
 38:20, 46:5, 47:21,
 48:9, 49:11, 49:19,
 49:20, 105:11
sanctions [8] - 38:21,
 40:9, 46:11, 48:1,
 48:4, 49:22, 50:2
Sanitary [1] - 79:2
satisfied [1] - 47:1
satisfy [1] - 40:7
save [5] - 10:21, 61:1,
 65:4, 65:7, 99:22
saved [1] - 84:6
schedule [1] - 3:4
scheduled [3] - 33:10,
 115:5
scheme [1] - 52:9
scholarships [1] -
 67:17
science [2] - 16:23,

67:19
scientific [2] - 7:2,
 57:16
sclerosis [1] - 58:12
Scott [6] - 2:14, 44:2,
 44:5, 101:11,
 106:22, 108:9
screen [3] - 34:17,
 34:19, 87:1
scrubbing [1] - 98:23
SEA [1] - 105:15
season [2] - 51:3
second [11] - 5:4, 5:7,
 6:16, 47:19, 49:7,
 50:15, 63:4, 109:8,
 109:9, 115:13,
 115:14
secondary [1] - 19:15
seconded [1] - 5:9
secondly [1] - 18:18
secret [2] - 62:11,
 62:12
Secretary [1] - 7:23
Section [1] - 20:7
section [4] - 22:8,
 24:18, 32:8, 37:10
sector [1] - 20:7
sectors [1] - 61:15
secured [1] - 84:3
see [12] - 3:10, 5:3,
 34:18, 34:23, 49:14,
 51:13, 52:6, 56:8,
 66:23, 70:10, 73:16,
 79:14
seeing [1] - 8:9
seek [1] - 24:5
seeking [1] - 40:20
seize [1] - 22:6
self [1] - 76:19
self-reported [1] -
 76:19
Semifinals [1] - 62:2
Senate [4] - 11:4,
 31:3, 54:3, 106:1
Senate-confirmed [1] -
 31:3
send [1] - 34:11
sending [1] - 33:1
senior [1] - 21:11
sense [3] - 15:13,
 53:11, 67:19
sentence [1] - 81:14
serious [6] - 53:21,
 54:1, 80:4, 82:17,
 85:8, 86:3
seriously [2] - 80:5,
 96:11
serve [3] - 7:5, 9:5,
 113:9
served [1] - 7:7

serving [2] - 23:14,
 24:9
session [5] - 8:17,
 9:22, 10:2, 11:1,
 113:20
sessions [1] - 14:1
set [5] - 11:19, 12:23,
 19:12, 20:18, 107:11
setting [1] - 8:4
settles [1] - 31:15
several [8] - 11:2,
 13:15, 16:5, 16:17,
 20:23, 29:17, 58:10,
 113:19
shape [2] - 20:16,
 20:17
share [1] - 24:12
Shelby [2] - 1:13,
 116:4
Shelbyville [1] - 116:4
shifting [1] - 114:4
ship [1] - 79:10
shocking [2] - 76:23,
 112:22
shop [1] - 79:9
shore [1] - 91:18
shores [1] - 55:23
short [1] - 114:2
shortfall [2] - 10:4,
 22:18
show [1] - 34:22
showing [1] - 52:13
shows [4] - 54:12,
 56:13, 63:18, 89:14
shut [3] - 44:23,
 50:11, 85:19
shutdown [1] - 83:19
sic [4] - 3:17, 4:13,
 36:1, 111:7
sick [2] - 82:21, 93:19
side [2] - 29:22, 44:9
sign [1] - 35:22
sign-in [1] - 35:22
signed [1] - 29:19
significant [2] - 29:9,
 89:1
significantly [1] -
 28:18
signing [1] - 22:5
silicate [1] - 39:17
silos [1] - 9:4
similar [4] - 18:2,
 19:9, 31:3, 63:21
simple [1] - 67:19
simply [1] - 39:18
SIP [7] - 38:11, 38:13,
 38:19, 41:9, 41:11,
 90:12, 102:1
SIP's [2] - 101:19,
 101:21

sit [1] - 83:5 site [4] - 17:22, 36:5, 36:12, 41:16 sits [1] - 32:14 situation [6] - 39:2, 48:11, 48:20, 49:7, 50:18, 66:16 six [2] - 16:13, 38:19 sizing [1] - 19:23 skinny [1] - 26:18 slight [1] - 32:13 slightly [1] - 29:9 small [5] - 25:22, 52:14, 55:22, 59:3, 108:6 smaller [2] - 10:8, 11:7 smarter [1] - 18:10 smell [3] - 72:11 smoke [5] - 56:6, 70:7, 70:9, 70:10, 72:16 smokestacks [1] - 56:6 smoking [1] - 70:8 snow [1] - 51:18 SO2 [1] - 89:1 sobering [1] - 54:16 sodium [1] - 39:17 soil [1] - 67:21 solar [1] - 68:15 sole [1] - 52:5 solid [1] - 113:6 solidly [1] - 42:15 solution [4] - 22:4, 57:4, 81:17 solutions [1] - 75:17 solve [3] - 62:20, 80:7, 80:8 someone [4] - 21:4, 30:21, 30:22, 61:7 something's [1] - 74:10 sometimes [3] - 13:9, 52:5, 107:23 somewhere [2] - 74:1 son [2] - 67:15, 98:9 soon [1] - 33:7 soot [3] - 70:6, 71:2, 72:18 sorry [13] - 3:21, 4:15, 32:15, 39:21, 42:1, 43:13, 47:11, 47:12, 63:9, 89:12, 96:14, 100:12, 106:2 sort [2] - 19:3, 94:4 sounds [1] - 43:22 source [10] - 13:1, 13:7, 13:8, 15:4, 19:11, 39:3, 45:14, 75:13, 87:23, 103:2	sources [15] - 38:2, 38:8, 39:5, 39:13, 40:11, 40:13, 40:15, 52:18, 53:22, 60:2, 68:15, 102:20, 108:8, 108:9, 108:12 South [1] - 1:14 Southeast [1] - 53:8 space [3] - 20:9, 23:12, 31:8 speaker [4] - 69:14, 69:19, 95:13, 96:17 SPEAKER [1] - 69:15 speakers [2] - 54:20 SPEAKERS [1] - 2:16 speaking [1] - 34:11 specific [7] - 9:16, 15:2, 16:7, 16:12, 22:7, 28:13, 87:23 specifically [2] - 75:10, 87:9 speed [2] - 14:14, 47:17 spelled [1] - 97:18 spend [1] - 66:22 spending [3] - 27:21, 45:1, 79:6 spent [2] - 29:22, 78:20 spirited [1] - 19:2 spoken [1] - 47:3 sports [1] - 67:16 spread [1] - 18:15 stable [1] - 113:5 stack [1] - 72:16 STAFF [1] - 2:12 staff [5] - 24:17, 41:19, 47:14, 49:4, 113:14 stakeholders [3] - 8:23, 23:19, 106:9 stand [1] - 36:15 standard [11] - 49:9, 49:11, 49:15, 51:7, 51:12, 54:13, 65:10, 82:15, 90:8, 96:5, 107:11 Standards [1] - 12:21 standards [10] - 11:19, 17:7, 17:9, 19:23, 20:5, 20:6, 59:7, 67:3, 86:6, 95:21 start [10] - 3:9, 25:19, 74:11, 75:6, 82:9, 82:14, 82:16, 84:14, 85:10, 87:20 started [9] - 17:2, 49:16, 71:1, 71:10, 73:8, 79:13, 79:16,	92:13, 92:14 starting [4] - 11:15, 26:15, 78:21, 106:17 STATE [1] - 1:1 state [40] - 7:10, 8:6, 8:7, 8:23, 10:8, 10:18, 11:13, 13:19, 16:21, 18:17, 19:17, 21:4, 21:16, 22:17, 26:21, 27:10, 27:19, 28:7, 28:22, 36:16, 41:3, 41:6, 61:16, 61:18, 66:7, 83:9, 84:2, 86:5, 88:11, 94:20, 94:21, 98:17, 99:8, 101:17, 103:21, 105:4, 108:2, 113:10 State [8] - 1:13, 36:23, 56:21, 62:2, 100:11, 102:2, 112:14, 116:13 states [10] - 16:1, 23:3, 27:4, 28:21, 37:20, 63:20, 68:13, 94:18, 100:3, 101:19 States [3] - 60:20, 75:23, 90:10 statewide [1] - 15:10 station [2] - 43:12, 56:10 stationary [4] - 13:7, 39:3, 40:11, 56:19 stations [1] - 56:11 status [1] - 37:16 statute [1] - 17:14 statutes [2] - 10:13, 28:10 statutorily [1] - 50:17 stay [1] - 115:6 stead [1] - 114:14 STEAGALL [5] - 78:10, 78:15, 86:11, 86:18, 86:21 Steagall [3] - 2:19, 78:5, 78:17 steel [81] - 45:10, 50:20, 56:1, 56:18, 56:23, 57:3, 57:7, 58:23, 59:18, 59:22, 60:20, 60:21, 61:1, 61:5, 61:6, 62:5, 62:20, 62:21, 63:3, 63:19, 64:6, 64:9, 64:10, 64:16, 64:17, 65:8, 69:2, 70:3, 70:13, 70:16, 71:8, 71:17, 72:2, 72:4, 72:15, 75:10, 75:15, 76:19, 78:21, 80:13,	80:16, 81:10, 81:11, 82:2, 82:4, 82:8, 82:11, 83:16, 83:17, 83:19, 83:23, 85:13, 87:14, 87:15, 87:18, 87:21, 88:1, 88:8, 89:15, 90:2, 90:9, 90:17, 91:9, 91:11, 92:10, 92:19, 93:5, 93:21, 94:1, 94:8, 94:13, 95:3, 98:5, 98:17, 99:7, 99:12, 99:23, 100:1, 100:8, 108:10 Steel [10] - 56:4, 65:9, 75:7, 78:21, 79:8, 79:13, 82:5, 88:2, 92:13 steel-making [1] - 59:18 steelmakers [1] - 76:2 steelmaking [9] - 59:20, 60:3, 75:4, 75:20, 77:16, 82:15, 89:18, 90:17, 98:16 steelworker [2] - 78:20, 87:11 steelworkers [1] - 87:13 stemming [1] - 57:14 Stephanie [1] - 7:12 stewards [1] - 10:22 still [19] - 7:19, 14:7, 23:21, 33:20, 43:12, 44:10, 45:7, 53:11, 61:23, 63:1, 63:6, 64:14, 68:9, 71:18, 76:9, 99:10, 107:4, 107:17, 110:9 stinky [1] - 72:11 stop [3] - 25:11, 85:3, 85:4 story [4] - 21:3, 21:15, 61:20, 62:10 straight [1] - 106:6 strategies [1] - 90:6 street [2] - 70:2, 73:15 Street [1] - 1:15 strengthen [1] - 98:14 stringent [3] - 17:7, 103:23, 105:8 strip [1] - 73:20 strokes [1] - 58:2 strong [4] - 55:1, 64:7, 65:14, 87:18 stronger [3] - 65:7, 65:13, 100:9 structure [4] - 8:10, 9:3, 21:6, 21:14 students [1] - 8:7	studies [2] - 12:4, 39:9 stuff [3] - 70:20, 72:17, 73:16 stunned [1] - 66:11 stupid [1] - 84:9 style [1] - 32:18 submission [5] - 38:11, 41:9, 41:11, 59:17, 59:22 submissions [1] - 36:9 submit [2] - 38:7, 93:13 submitted [3] - 41:5, 66:3, 102:1 substances [1] - 58:14 substantial [1] - 27:10 substantially [1] - 26:19 success [3] - 21:2, 21:15, 22:6 successful [1] - 83:10 successfully [1] - 21:13 sudden [4] - 58:2, 71:10, 71:13, 73:22 suffer [2] - 53:12, 65:11 suffered [1] - 94:4 suffering [1] - 93:22 sufficient [1] - 43:6 suggested [1] - 50:13 suggestions [1] - 19:2 suit [2] - 55:1, 71:2 summaries [1] - 5:23 summary [3] - 5:2, 5:4, 5:17 summer [1] - 51:19 sunlight [1] - 52:22 supercharged [1] - 19:14 support [2] - 26:3, 41:8 supporter [1] - 87:12 supports [1] - 88:21 supposed [1] - 27:1 surprise [1] - 67:2 surrounding [1] - 23:3 survival [1] - 92:20 survive [1] - 83:9 survives [1] - 98:10 Susan [2] - 2:18, 66:4 Susie [5] - 2:20, 86:10, 86:16, 86:17, 87:8 sustain [1] - 85:10 sustainability [1] -
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<p>97:23 sustainable [5] - 61:6, 68:15, 81:10, 82:7, 94:22 Suzie [1] - 8:1 swearing [1] - 36:13 switched [1] - 99:16 switching [2] - 59:14, 65:2 sworn [1] - 36:17 symptoms [2] - 77:4, 89:20 system [3] - 58:4, 58:9, 67:13 systemic [1] - 58:11 systems [2] - 11:8, 11:13</p>	<p>TELEPHONE [1] - 1:22 teleprompter [1] - 87:1 televised [1] - 67:5 ten [8] - 8:10, 22:14, 30:15, 30:16, 43:4, 44:23, 66:22, 89:22 tentatively [1] - 33:10 term [2] - 93:19, 108:18 terms [8] - 22:17, 23:2, 27:6, 31:16, 102:16, 103:16, 104:19, 107:6 terrible [1] - 67:6 Terry [4] - 2:19, 78:4, 78:7, 78:16 test [1] - 72:5 testify [3] - 35:20, 66:14, 78:16 testing [1] - 113:2 THE [3] - 1:1, 111:16, 111:20 theme [1] - 48:7 therefore [2] - 40:15, 41:17 therein [1] - 47:23 Thereupon [1] - 115:21 they've [4] - 20:8, 70:3, 79:6, 81:15 thinking [2] - 19:14, 71:8 third [2] - 97:19, 99:6 third-generation [1] - 97:19 THOMAS [2] - 65:23, 66:2 Thomas [3] - 2:18, 66:4, 89:12 Thomson [3] - 63:13, 63:17, 89:13 thousand [3] - 63:7, 63:16, 89:9 thousands [1] - 57:16 threat [1] - 64:18 threats [1] - 11:6 three [16] - 9:19, 10:7, 56:1, 56:14, 56:19, 56:23, 60:22, 62:5, 64:13, 66:12, 68:22, 75:22, 76:19, 96:4, 99:9, 107:3 three-year [2] - 56:14, 107:3 threshold [7] - 39:6, 39:8, 40:14, 53:21, 53:23, 102:10, 103:12</p>	<p>thrilled [2] - 7:21, 9:1 throughout [6] - 8:23, 11:13, 18:17, 40:23, 47:15, 103:13 throw [1] - 95:8 thyroid [1] - 58:19 ticket [1] - 10:23 tied [1] - 44:15 tight [1] - 10:20 timeline [3] - 39:18, 46:14, 50:7 timing [1] - 105:10 tipping [2] - 10:17, 23:1 Title [4] - 6:21, 21:7, 23:22, 27:8 today [13] - 13:3, 20:2, 20:4, 24:13, 35:9, 37:13, 75:11, 77:11, 77:22, 78:16, 91:3, 101:7, 112:7 today's [4] - 35:13, 35:20, 35:23, 36:7 together [2] - 56:23, 83:11 ton [8] - 39:7, 40:14, 57:2, 88:8, 89:2, 89:9, 102:16 tons [14] - 38:2, 53:22, 56:22, 57:1, 63:8, 63:11, 63:12, 63:17, 89:9, 89:10, 89:11, 89:13, 104:13 took [1] - 62:3 tools [4] - 12:17, 106:13, 106:17, 107:8 toot [1] - 14:19 top [4] - 34:17, 56:18, 56:21, 89:22 topic [1] - 18:12 topics [3] - 9:14, 14:3, 15:19 TORRES [1] - 70:1 Torres [3] - 2:18, 69:21, 70:2 toss [2] - 68:21, 68:22 totals [1] - 111:14 touch [2] - 34:19, 115:6 tough [1] - 112:20 tourism [2] - 91:23, 92:4 tourists [1] - 91:22 towards [2] - 34:9, 61:6 townships [1] - 38:9 toxics [1] - 20:5 toxins [1] - 30:9 track [2] - 29:8, 56:11</p>	<p>traditionally [1] - 53:4 transcribed [1] - 116:8 transcript [5] - 36:7, 36:8, 36:11, 47:10, 116:6 transfers [1] - 11:23 transition [4] - 8:16, 59:9, 88:22, 89:16 Transition [2] - 55:12, 66:5 transitioning [1] - 90:17 transparency [1] - 14:14 transparent [1] - 14:15 transport [1] - 106:18 transportation [1] - 38:23 treatment [1] - 11:12 tremendous [1] - 8:9 trend [1] - 27:22 tribal [1] - 26:21 tried [2] - 11:11 trigger [1] - 46:1 trouble [1] - 106:6 true [6] - 43:18, 43:20, 44:1, 47:8, 47:20, 116:5 truly [1] - 93:6 trump [1] - 14:7 Trump [1] - 27:15 trust [1] - 96:2 try [4] - 47:13, 79:18, 108:18, 112:19 trying [4] - 10:3, 28:23, 112:13, 113:9 turn [8] - 14:16, 30:4, 36:13, 36:20, 95:3, 101:2, 105:11, 107:19 turned [1] - 67:14 turning [1] - 68:17 turnover [1] - 48:18 twice [1] - 113:15 two [16] - 14:3, 30:1, 38:15, 39:13, 40:15, 42:14, 43:2, 43:15, 46:7, 76:1, 78:23, 102:19, 102:21, 103:4, 103:9, 104:2 two-million-dollar [1] - 30:1 two-to-one [1] - 38:15 type [1] - 54:12 Type-1 [1] - 58:13 types [3] - 94:6, 103:15 typically [1] - 41:10</p>	<p>U</p> <p>U.S [22] - 13:12, 17:7, 30:2, 30:12, 37:15, 38:6, 38:10, 38:14, 38:20, 39:9, 40:8, 40:23, 47:1, 47:2, 47:15, 56:4, 61:5, 65:9, 82:5, 88:2, 88:8, 92:13 ultimately [7] - 11:10, 17:5, 23:10, 29:4, 30:10, 39:13, 107:9 umbrella [1] - 105:20 unable [1] - 66:14 uncertainties [1] - 8:15 uncertainty [1] - 22:19 under [21] - 6:21, 11:21, 20:7, 21:16, 27:1, 28:9, 28:11, 28:14, 29:16, 37:12, 37:14, 39:14, 49:2, 49:19, 49:20, 49:22, 50:10, 102:21, 105:20, 106:1, 106:7 underlying [4] - 41:13, 101:14, 105:9, 108:19 undersigned [1] - 116:2 understandable [1] - 53:11 understood [1] - 46:14 undertaken [1] - 21:6 undertaking [1] - 31:7 unduly [1] - 16:21 UNIDENTIFIED [1] - 69:15 unidentified [1] - 67:12 union [5] - 61:2, 61:15, 65:4, 69:4, 89:3 uniquely [1] - 93:1 unit [8] - 43:5, 43:17, 44:10, 45:6, 102:12, 102:13, 103:15 united [1] - 87:12 United [3] - 60:20, 75:23, 90:10 units [9] - 39:12, 43:2, 43:15, 44:15, 102:5, 102:15, 103:4, 103:9, 103:10 University [1] - 3:7 unjust [1] - 66:15 unless [3] - 25:11, 43:8, 73:1</p>
<p>T</p> <p>table [1] - 35:22 tail [1] - 10:2 TALEVSKI [5] - 86:19, 86:22, 87:5, 87:7, 95:11 Talevski [3] - 2:20, 86:17, 87:8 tangible [1] - 77:6 tape [1] - 18:10 target [1] - 50:19 tax [2] - 83:21, 84:2 tax-wise [1] - 84:2 taxes [2] - 23:22, 83:22 taxpayer [2] - 10:22, 28:6 team [1] - 24:15 teams [2] - 34:13, 35:6 technical [3] - 7:2, 34:14, 41:8 technologically [1] - 94:13 technologies [10] - 37:22, 40:16, 63:23, 68:5, 88:13, 90:6, 90:17, 92:21, 100:5 Technology [1] - 11:17 technology [26] - 37:4, 42:13, 42:17, 59:19, 62:17, 63:6, 63:21, 68:12, 68:14, 75:20, 77:11, 80:19, 83:2, 88:7, 88:17, 89:16, 90:2, 93:10, 93:14, 98:15, 99:11, 100:2, 100:10, 102:4, 102:14, 103:6 Ted [2] - 2:4, 3:20 teenaged [1] - 67:15</p>				

<p>unmute [3] - 78:8, 96:23, 97:3</p> <p>unnecessary [2] - 18:6, 18:10</p> <p>unrelated [1] - 13:17</p> <p>unsustainable [1] - 93:9</p> <p>up [55] - 5:15, 9:22, 14:6, 14:14, 17:17, 25:16, 29:8, 29:22, 31:16, 31:20, 33:1, 34:3, 34:20, 35:10, 43:21, 45:4, 47:17, 48:7, 48:11, 49:9, 50:8, 51:14, 53:18, 53:20, 55:4, 59:10, 60:17, 61:2, 61:7, 63:12, 65:13, 65:14, 73:12, 74:5, 75:9, 77:16, 78:23, 79:7, 79:18, 89:4, 89:19, 91:5, 93:11, 93:22, 95:7, 96:1, 97:11, 98:4, 99:23, 102:18, 104:21, 105:7, 105:13, 107:2, 112:23</p> <p>update [1] - 14:2</p> <p>updated [1] - 115:8</p> <p>updates [1] - 31:13</p> <p>uplift [2] - 74:23, 77:21</p> <p>upper [1] - 51:19</p> <p>urge [1] - 93:13</p> <p>useful [1] - 54:15</p> <p>usual [1] - 33:4</p> <p>uterus [1] - 58:18</p> <p>utilities [3] - 8:5, 11:16, 20:6</p> <p>Utility [1] - 15:5</p> <p>utilize [2] - 35:1, 35:6</p>	<p>15:8</p> <p>via [2] - 34:13, 35:6</p> <p>viable [1] - 88:18</p> <p>virgin [1] - 13:15</p> <p>virtually [2] - 27:13, 28:8</p> <p>visit [3] - 8:7, 72:13, 91:22</p> <p>visited [1] - 91:20</p> <p>visitors [1] - 8:7</p> <p>Vogel [1] - 30:14</p> <p>voice [5] - 64:2, 64:3, 74:8, 74:9</p> <p>voluntary [1] - 106:15</p> <p>vote [3] - 101:2, 110:23, 111:1</p>	<p>waters [1] - 79:5</p> <p>waterways [3] - 79:3, 79:12, 85:7</p> <p>ways [1] - 99:12</p> <p>wealth [1] - 114:23</p> <p>Web [4] - 17:22, 36:5, 36:12, 41:16</p> <p>Wednesday [2] - 1:16, 116:7</p> <p>week [5] - 16:10, 21:4, 21:9, 21:10, 36:6</p> <p>weeks [2] - 9:21, 29:1</p> <p>weighing [1] - 24:14</p> <p>weighting [1] - 51:12</p> <p>welcome [1] - 7:10</p> <p>Welcome [1] - 3:4</p> <p>welfare [2] - 59:1, 92:23</p> <p>West [1] - 1:15</p> <p>west [1] - 56:5</p> <p>wetlands [1] - 17:14</p> <p>White [1] - 31:21</p> <p>Whiting [1] - 67:11</p> <p>who've [1] - 30:15</p> <p>whole [4] - 56:21, 72:18, 75:14, 85:18</p> <p>wide [2] - 106:9, 108:12</p> <p>wife [2] - 95:23, 97:8</p> <p>wildfires [3] - 51:4, 107:4, 108:7</p> <p>wildlife [1] - 8:6</p> <p>William [1] - 2:3</p> <p>willing [4] - 7:5, 7:17, 30:22, 101:6</p> <p>wind [3] - 31:20, 53:6, 68:15</p> <p>windows [2] - 70:9, 70:10</p> <p>wire [1] - 62:3</p> <p>Wisconsin [1] - 53:8</p> <p>wise [1] - 84:2</p> <p>wish [1] - 35:19</p> <p>wishes [2] - 112:7, 114:23</p> <p>withhold [1] - 38:21</p> <p>witnessed [1] - 57:13</p> <p>woman [2] - 67:7, 74:2</p> <p>wonder [3] - 71:19, 71:23, 92:3</p> <p>wondered [1] - 105:20</p> <p>wonderful [1] - 90:23</p> <p>wondering [1] - 45:1</p> <p>Woods [2] - 2:10, 54:2</p> <p>woods [1] - 6:10</p> <p>WOODS [6] - 6:12, 26:4, 105:23, 106:3, 108:11, 113:17</p> <p>word [3] - 18:15,</p>	<p>21:12</p> <p>words [1] - 42:14</p> <p>workers [3] - 69:5, 79:23, 94:3</p> <p>works [7] - 52:22, 62:23, 63:11, 88:2, 89:11, 92:13, 104:9</p> <p>Works [4] - 56:4, 81:13, 88:22, 99:9</p> <p>world [5] - 29:3, 59:20, 86:5, 88:21, 92:1</p> <p>worry [1] - 59:2</p> <p>wrapped [1] - 9:22</p> <p>writer [2] - 37:10, 97:21</p> <p>writers [1] - 24:23</p> <p>writing [4] - 17:20, 32:20, 45:2, 97:21</p> <p>written [2] - 36:7, 36:8</p>
W		Y	
<p>W.R [2] - 39:15, 39:16</p> <p>Wabash [1] - 30:4</p> <p>Wach [1] - 95:15</p> <p>Wachala [4] - 2:20, 96:20, 96:22, 97:18</p> <p>WACHALA [2] - 97:2, 97:6</p> <p>wait [1] - 51:13</p> <p>wait-and-see [1] - 51:13</p> <p>waiting [1] - 107:4</p> <p>walls [2] - 71:14, 71:16</p> <p>WALSH [15] - 37:8, 42:21, 43:7, 43:11, 43:19, 44:2, 45:19, 46:2, 46:6, 46:8, 46:12, 46:15, 47:12, 48:5, 48:16</p> <p>Walsh [3] - 2:13, 37:7, 37:9</p> <p>wanda [1] - 74:22</p> <p>Wanda [4] - 2:18, 69:21, 69:22, 70:1</p> <p>Wanda's [1] - 74:23</p> <p>wants [1] - 107:9</p> <p>war [1] - 8:8</p> <p>Washington [4] - 1:15, 8:15, 20:12, 26:1</p> <p>watch [1] - 56:5</p> <p>watched [1] - 49:12</p> <p>watching [2] - 31:10, 72:19</p> <p>water [18] - 11:5, 11:7, 11:12, 11:13, 11:20, 12:2, 15:10, 24:10, 28:9, 28:22, 53:2, 67:21, 79:5, 83:1, 84:19, 85:6, 90:3</p> <p>Water [3] - 10:11, 27:9</p>		<p>year [18] - 13:11, 16:17, 26:11, 26:14, 27:13, 38:3, 39:19, 51:7, 51:11, 53:22, 56:14, 57:1, 59:12, 99:11, 107:3, 108:18, 113:19</p> <p>years [29] - 12:21, 21:1, 21:2, 22:14, 27:3, 27:12, 27:23, 29:7, 43:4, 44:23, 54:14, 70:13, 71:21, 72:19, 78:20, 80:17, 80:18, 82:11, 82:19, 85:2, 85:15, 85:21, 87:12, 89:6, 92:12, 93:21, 93:23, 112:11</p> <p>yeses [1] - 111:19</p> <p>yourself [3] - 34:10, 78:8, 96:23</p>	
V		Z	
<p>vacant [1] - 82:11</p> <p>Valparaiso [1] - 87:9</p> <p>value [2] - 28:5, 56:14</p> <p>values [1] - 51:10</p> <p>variety [5] - 51:1, 103:15, 104:15, 106:9, 108:12</p> <p>various [3] - 9:11, 22:10, 106:13</p> <p>vastly [1] - 89:6</p> <p>verify [1] - 43:18</p> <p>version [3] - 32:16, 61:5, 65:9</p> <p>versus [2] - 32:20, 102:22</p> <p>vertical [3] - 8:3, 9:3,</p>		<p>Zeldin [1] - 31:5</p> <p>zero [2] - 84:16, 85:21</p>	