

ORIGINAL

U.S. EPA VIRTUAL PUBLIC HEARING
RECONSIDERATION OF 2009 ENDANGERMENT FINDING AND
GREENHOUSE GAS VEHICLE STANDARDS

DOCKET NO. EPA-HQ-OAR-2025-0914

DATE: AUGUST 19, 2025

EPA PANEL: AARON SZABO
BILL CHARMLEY
MICHAEL OLECHIW
KEVIN BOLON
MEGAN BEARDSLEY
ALAN STOUT
BEN ELLIES
JEAN-MARIE REVELT
JESSICA BRAKORA
BOB GIANNELLI
ANGELA CULLEN
AMANDA CHAPIN
JOHN KASAB

PAM AND ANN - FACILITATORS

COURT REPORTER: ANN MARIE TESTA
STENOGRAPHIC COURT REPORTER

RYAN REPORTING

1670 South Fiske Boulevard Rockledge, FL 32955

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

P R O C E E D I N G S

* * * *

FACILITATOR PAM: Good morning, and welcome to the United States Environmental Protection Agency's, or EPA, virtual public hearing for the Reconsideration of the 2009 Endangerment Finding and greenhouse gas vehicle standards. My name is Pam, and I'll serve as your meeting facilitator for today's hearing.

Please note we're transcribing today's hearing and you can turn on live captioning if you'd like to read the verbal dialog. To turn on closed captions, click the CC icon that says live transcript at the bottom of your screen, Then click show subtitles to view the closed captioning and hide subtitles to turn them off. If you have any questions, please contact the meeting host.

I'll turn it over to Aaron Szabo, Assistant Administrator in the Office of Air and Radiation, for a few opening remarks, followed by Bill Charmley, Director of the Assessment and Standards Division in the Office of Transportation and Air Quality, who will serve as a presiding officer for today's

1 hearing. Thank you.

2 MR. SZABO: Good morning. On behalf
3 of the United States Environmental Protection
4 Agency and the Office of Air and Radiation, I
5 would like to welcome you to today's virtual
6 public hearing. I'm grateful for everyone
7 who's taking the time out of their day to
8 testify and participate today.

9 I am Aaron Szabo, Assistant
10 Administrator for EPA's Office of Air and
11 Radiation. With me today is Bill Charmley,
12 Director of the Assessment and Standards
13 Division with the EPA's Office of
14 Transportation and Air Quality. Bill will be
15 the presiding officer for today's hearing.

16 In addition with me today and
17 listening to the testimony on this proposed
18 rule are several of my EPA colleagues from the
19 Office of Air and Radiation. EPA is also being
20 assisted by our contractor, ICF, in the running
21 of today's virtual public hearing.

22 On August 1st we published an
23 important proposal to rescind the 2009
24 greenhouse gas Endangerment Finding and remove
25 greenhouse gas emission regulations for

1 on-highway engines and vehicles. This proposed
2 rule titled Reconsideration of 2009
3 Endangerment Finding and Greenhouse Gas Vehicle
4 Standards is the subject of today's hearing.

5 The 2009 Greenhouse Gas Endangerment
6 Finding is a prerequisite for regulating
7 emissions from new motor vehicles and new motor
8 vehicle engines. Absent this finding, EPA
9 lacks statutory authority under Section 202 of
10 the Clean Air Act to prescribe standards for
11 greenhouse gas emissions, therefore, we also
12 propose to remove greenhouse gas regulations
13 for light, medium, and heavy duty on-highway
14 vehicles and engines. If finalized as
15 proposed, engine and vehicle manufacturers
16 would no longer have any future obligations for
17 the measurement, control, and reporting of
18 greenhouse gas emissions for any highway engine
19 and vehicles, including model years
20 manufactured prior to this proposal.

21 This proposal responds to
22 Administrator Zeldin's March 2025 announcement
23 that has been lauded as the greatest and most
24 consequential day of deregulation in the
25 history of the United States. In his

1 announcement, Administrator Zeldin included a
2 formal Reconsideration of the 2009 Endangerment
3 Finding and prior regulations and actions that
4 rely on the Endangerment Finding. These were
5 announced in conjunction with a number of
6 historic actions to advance President Trump's
7 day one executive orders and power the great
8 American comeback.

9 While accomplishing EPA's core mission
10 of protecting the environment, the agency is
11 committed to fulfilling President Trump's
12 promise to unleash American energy, lower costs
13 for Americans, revitalize the American auto
14 industry, restore the rule of law, and give
15 power back to states to make their own
16 decisions.

17 Today, we look forward to hearing
18 additional input through your comments on our
19 proposal. EPA will consider all of the
20 comments we hear today from the many
21 stakeholders participating in this hearing as
22 we develop the final rule. We also look
23 forward to considering additional written
24 comments that we received during the public
25 comment period, which is open until September

1 22nd, 2025.

2 Thank you all for attending this
3 important public hearing and thank you to
4 everyone who will provide testimony throughout
5 the hearing. I will now turn it over to Bill
6 Charmley, the presiding officer for today's
7 hearing. Thank you very much.

8 MR. CHARMLEY: Thank you, Assistant
9 Administrator Szabo.

10 As the Assistant Administrator stated,
11 the purpose of this hearing today is to receive
12 comments from interested parties on the
13 proposed rulemaking titled Rescission of 2009
14 Endangerment Finding and Greenhouse Gas Vehicle
15 Standards, which was published in the Federal
16 Register on August 1st, 2025.

17 This hearing provides interested
18 parties the opportunity for the oral
19 presentation of views and arguments. Witnesses
20 will be allowed to make oral statements, which
21 they may later expand in writing for the
22 official record of the hearing. When you are
23 finished with your comments, member of the EPA
24 panel may ask clarifying questions.

25 This hearing is not intended to be a

1 discussion of the proposed rulemaking. While
2 we might ask questions or request additional
3 data or supporting material, we will not
4 respond to comments in this forum. Instead, we
5 will provide a written response to comments as
6 part of the process of finalizing this proposed
7 rule.

8 I would like to remind everyone that
9 in addition to today's hearing, there is also
10 an opportunity to send EPA written comments.
11 Written comment period closes on September 22nd
12 of 2025 at 11:59 p.m. Eastern Time. The
13 details on where to submit written comments can
14 be found in the Federal Register Notice
15 announcing the proposal, as well as on our
16 website.

17 Now I would like to go over how we'll
18 be conducting today's hearing. Today's hearing
19 will be conducted informally, and formal rules
20 of evidence will not apply. I will be serving
21 as the presiding officer for today's hearing,
22 and as such I'm authorized to apply reasonable
23 limits on the duration of the statements of any
24 witness. When I am not available, my EPA
25 colleague, Mike Olechiw, will be serving as

1 list in a tentative order of those registered
2 to speak for each day of this hearing, and we
3 will make adjustments throughout the hearing as
4 needed to provide every individual an
5 opportunity to speak.

6 Finally, while the EPA representatives
7 speaking today will attempt to assure the
8 accuracy of any descriptions that we provide
9 regarding the proposed rulemaking, it is the
10 official record of the proposal that was
11 published in the Federal Register on August 1st
12 of 2025 which controls in any case of conflict
13 between it and what you may hear today. Please
14 refer to the official version in developing
15 your written comments on this proposal.

16 Should there be members of the press
17 that have further questions about today's
18 hearing, we ask that they please contact the
19 EPA Press Office at press@epa.gov, and that's
20 press@epa.gov.

21 Thank you very much. And with that,
22 I'm going to turn it back to our facilitator
23 with ICF, Pam, who's going to go over some
24 logistics for today's virtual public hearing.
25 Thank you.

1 FACILITATOR PAM: Thank you, Aaron and
2 Bill. I'd like to go over today's agenda.
3 Today's public hearing is scheduled to last
4 until all testifiers who wish to speak have had
5 an opportunity to do so. Now because we're
6 meeting in the virtual space instead of in
7 person, we'd like to go over some logistics for
8 today's public hearing.

9 Today's hearing is being recorded for
10 the court reporter and the recording will not
11 be posted publicly. However, a written
12 transcript will be publicly available.
13 Therefore, do not include any information that
14 you consider to be confidential business
15 information or proprietary business information
16 or medical information about someone other than
17 yourself, or other information whose disclosure
18 is restricted by an applicable authority in
19 your testimony.

20 Please note that all attendee's
21 microphones are muted and cameras are turned
22 off automatically. Each speaker will have two
23 and a half minutes to speak. Please speak
24 slowly and clearly for the benefit of the court
25 reporter and the closed captioning team.

1 There will be an onscreen timer for
2 those who are online. And if we have anyone on
3 the phone, I'll give phone participants a 30
4 second warning when you need to wrap up. Due
5 to the large volume of registered speakers and
6 registrants already on the waitlist to provide
7 oral testimony during this hearing, we'll be
8 strictly enforcing that two and a half minutes
9 time limit for each speaker. Thank you in
10 advance for your cooperation to ensure that we
11 hear from as many attendees as possible.

12 If you have additional comments and
13 you'd like to provide, you can also submit them
14 through the docket at www.regulations.gov using
15 Docket ID EPA-HQ-OAR-2025-0194.

16 We'll display the list of registered
17 speakers arranged by panels, so you'll know
18 approximately when your turn to speak is coming
19 up. If you are speaking today, you'll receive
20 a notification on your screen that you're being
21 promoted to panelist and shortly prior to your
22 speaking time, you must click to accept that
23 invitation to be able to unmute when you're
24 called to testify. This will also allow you to
25 turn on your camera, which we encourage you to

1 do. Speakers connected by phone should unmute
2 their phones by pressing Star 6 when called to
3 testify. When called upon, please state your
4 name and any affiliation and then begin your
5 testimony.

6 If you need to change the name that
7 appears on Zoom so that it's easier for us to
8 find you, you can do that by clicking the
9 participant button on the Zoom toolbar at the
10 bottom of your screen, then hover your mouse
11 over your name and click more. A window will
12 open allowing you to edit or correct how your
13 name is displayed. When done, click OK.

14 If at any time during the hearing
15 you're having technical difficulties, please
16 use the chat feature located at the bottom of
17 your screen to message the meeting host, or you
18 can contact EPAPublicHearing@icf.com, or you
19 can call 805-697-4398. Also, please make note
20 of the phone number for this hearing. The
21 phone number is 669-254-5252, and the Webinar
22 ID is 161 288 6000. If you're having trouble
23 with your internet connection at any point
24 during the hearing, you can call this number to
25 listen to the hearing.

1 Additionally, individual internet
2 connections and bandwidths vary, and they can
3 impact your viewing experience. We recommend
4 closing all apps and programs and limiting
5 other streaming or downloads while you're
6 participating in this hearing.

7 If you are not registered to speak
8 today but you would like to do so, please send
9 an e-mail to EPAPublicHearing@icf.com or you
10 can call 805-697-4398.

11 We'll now begin accepting public
12 testimony. Please note that an EPA
13 representative may ask clarifying questions at
14 the end of your testimony, otherwise, we will
15 immediately move on to the next speaker. The
16 expected speaking order is currently displayed
17 on screen. Again, we ask that each person
18 limit their verbal testimony to two and a half
19 minutes. If you have additional comments which
20 you are not able to provide orally today, you
21 can also submit them through
22 www.regulations.gov using Docket ID
23 EPA-HQ-OAR-2025-0194.

24 I will be calling on each speaker one
25 at a time in the order displayed on screen.

1 Please speak clearly so our court reporter can
2 record these proceedings accurately. And I
3 apologize in advance for mispronouncing
4 anyone's name.

5 So, with that, our first speaker will
6 be Todd Sack. Please state your name and
7 affiliation for the record.

8 Looks like we may be having some
9 technical challenges there, so we will go on to
10 Ann Mellinger Birdsong.

11 MS. BIRDSONG: Hi. You can hear me?

12 FACILITATOR PAM: Yes, we can.

13 DR. SACK: I'm here, this is Dr. Sack.

14 FACILITATOR PAM: Dr. Sack, you can go
15 ahead. Thank you.

16 DR. SACK: Thank you. Good morning.
17 I'm Todd Sack, a doctor practicing medicine in
18 Jacksonville, Florida. Today I speak as
19 immediate past president of Physicians for
20 Social Responsibility, which has been
21 recognized with two Nobel Peace Prizes. As a
22 Professor of Medicine at the Wertheim School of
23 Medicine in Miami, Florida, where my research
24 concerns climate change and health, and I wrote
25 most of the American Medical Association

1 policies on climate change and its effects on
2 human health. And so, I speak for America's
3 doctors.

4 I urge the EPA to reject the proposal
5 to repeal the 2009 Endangerment Finding. It is
6 fitting to begin today hearing from a doctor.
7 The explicit mission of EPA is to protect human
8 health and the environment. Over the next
9 several days, you will hear testimony from
10 many, many scientists, public health experts,
11 clergy, attorneys, economists, parents, and
12 policy experts that atmospheric greenhouse
13 gases are rising sharply, that this is the
14 direct result of the burning of fossil fuels,
15 particularly by vehicles, which is regulated by
16 the EPA, and how the environment and the
17 climate are seeing catastrophic changes caused
18 by fossil fuels.

19 As you hear all this, keep in mind
20 that nothing, nothing is more important to your
21 family, to your neighbors, your grandchildren,
22 your great-grandchildren than EPA's mission to
23 protect human health. The Endangerment Finding
24 that the public health is endangered by
25 greenhouse gases is based upon extensive

1 scientific analysis. As you will hear again
2 and again, this week, that science has not
3 wavered, that has become far more certain since
4 2009. Americans already suffer devastating
5 health impacts from extreme heat, air
6 pollution, dreadful wildfires, unprecedented
7 storms, and epidemics. All this suffering can
8 be prevented, but not without honest and
9 responsible regulatory work of the EPA.

10 The Endangerment Finding is correct
11 legally and scientifically, but also morally,
12 spiritually, environmentally, and medically.
13 Speaking for America's doctors and our
14 patients, I urge EPA to reject the proposal to
15 repeal the 2009 Endangerment Finding. Above
16 all, listen to your doctors. Thank you.

17 FACILITATOR PAM: Thank you for your
18 comment. Our next speaker is Ann Mellinger
19 Birdsong.

20 MS. MELLINGER BIRDSONG: Hi. My video
21 has been disabled. My name is Ann Mellinger
22 Birdsong and I'm a pediatrician, and I've
23 worked on in environmental health for over 30
24 years. I'm speaking today on behalf of Mothers
25 and Others for Clean Air. And my video --

1 there I am, okay.

2 EPA's mission statement says EPA's
3 mission is to protect human health and the
4 environment, including protecting children's
5 health. Today's proposal to repeal greenhouse
6 gas standards for vehicles and rescind the 2009
7 Endangerment Finding is the exact opposite of
8 what is needed to fulfill EPA's mission. This
9 proposal is especially harmful to children.

10 I'm a member of the American Academy
11 of Pediatrics, the professional organization
12 for pediatricians. The AAP climate policy
13 statement says climate change poses threats to
14 human health, safety, and security, and
15 children are uniquely vulnerable to these
16 threats. Given this knowledge, failure to take
17 prompt substantive action would be an act of
18 injustice to all children.

19 Many other medical professional
20 organizations, including that AMA, the American
21 College of Physicians, the American Academy of
22 Family Physicians, the American College of
23 Obstetricians and Gynecologists, and the
24 American Psychiatric Association, have policy
25 statements saying that climate change is caused

1 by humans, it threatens human health, and we
2 need to take urgent action. Today's proposal
3 is 100 percent opposite of what all of these
4 medical organizations say is necessary to
5 protect human health.

6 In the last two years we have seen
7 Americans made sick, hurt, or killed by the
8 effects of climate change. You only have to
9 take off your blinders and look with your eyes
10 and take off your earmuffs and listen with your
11 ears. You will see entire states covered in
12 health damaging wildfire smoke. You will hear
13 people mourning the loss of loved ones in
14 wildfires made worse by climate change. You
15 will see homes destroyed or washed away by
16 climate enhanced hurricanes, such as Hurricane
17 Helene.

18 This proposal tries to pretend that
19 climate change isn't a threat to human health,
20 but in the words of that margarine commercial
21 from the 1970s, it's not nice to fool Mother
22 Nature. You can pretend all you want, but that
23 doesn't bring back people killed by climate
24 enhanced hurricane wildfires and storms. Green
25 parents will not be fooled, and neither will

1 Mother Nature.

2 FACILITATOR PAM: Thank you for your
3 comment. Our next commenter will be Dominique
4 Browning.

5 MS. BROWNING: My name is Dominique
6 Browning. I'm the director of Moms Clean Air
7 Force. I strongly oppose the repeal of the
8 Endangerment Finding and the attendant GHG
9 Vehicle Standards.

10 I grew up during a time in which we
11 believed in America's leadership, scientific,
12 medical, and engineering expertise and
13 ambition. Go to the moon, we did it.
14 Eradicate measles and other deadly diseases
15 with a simple shot in the arm, we did it.
16 Invent a powerful computer you can carry in
17 your pocket, we did it.

18 Americans rise to challenges. We have
19 a long tradition of engineering know how and
20 creativity and we must remain globally
21 competitive. That means not backing off
22 investments in new kinds of energy, new kinds
23 of transportation.

24 EPA does not have much on your side in
25 arguments to roll back the Endangerment

1 Finding. You don't have the science on your
2 side. Overwhelming scientific data proves
3 warming is happening faster actually than
4 predicted and that transportation is a major
5 contributor.

6 You don't have the weather on your
7 side, hotter, longer heat waves, turbo charged
8 hurricanes, one building up as we speak, and
9 flooding, it goes on. Weather is how people
10 are feeling climate disruption.

11 You don't have children's health on
12 your side. Extreme weather damages children's
13 health especially.

14 You don't have the law on your side.
15 Two decades of case law support the
16 Endangerment Finding.

17 You don't have the economy on your
18 side. Climate disasters drain billions from
19 federal and state coffers.

20 You don't have affordability on your
21 side. Crippling the renewable sector has
22 contributed to rising rates of electricity for
23 millions of citizens.

24 You don't have the people on your
25 side. Polling shows that Americans want EPA to

1 tackle the climate problem.

2 You don't have the future on your
3 side. You are risking the stability of human
4 civilization needs to thrive.

5 You don't have morality on your side.
6 The U.S. historically contributed the most to
7 warming. We have an ethical obligation to keep
8 cutting climate emissions, which we are doing.

9 And, you sure don't have compassion or
10 love on your side. I love my children and my
11 grandchild. I believe in good stewardship of
12 our resources for all of our children, yours
13 too. That is why I keep fighting I am going to
14 keep fighting to get EPA focused --

15 FACILITATOR PAM: That is time. Thank
16 you for your comment. Our next commenter is
17 Maria Finnegan. Maria, looks like you were
18 having some technical problems, I'm going to go
19 ahead and move on and we'll come back to you,
20 Maria.

21 MS. FINNEGAN: Hi, I'm here now. Let
22 me see if I get my camera on.

23 FACILITATOR PAM: Thank you.

24 MS. FINNEGAN: Sure, I just restarted
25 it. There we go. Okay, I'm ready.

1 Thank you for the opportunity to
2 testify today. My name is Maria Finnegan and I
3 live in the small town of Dublin, New
4 Hampshire. I'm a National Field Manager for
5 Moms Clean Air Force and I'm the mother of a
6 four-year-old boy who loves spending his days
7 outside.

8 Climate change is changing our way of
9 life here in the Northeast and it's impacting
10 our health. This summer has been particularly
11 hard on my family. I've had to leave work to
12 pick up my son early from day camp, not because
13 he was homesick but because he was physically
14 sick from the heat. The building has no air
15 conditioning and the sweltering temperatures
16 outside, there's nowhere for him to find
17 relief. He becomes pale, lethargic, and sick
18 to his stomach in these high temperatures. No
19 child should have to endure that and no parent
20 should have to choose between their job and
21 their child's health.

22 I also live with a chronic health
23 condition, dysautonomia, that's made worse by
24 extreme heat. This weather is not just
25 uncomfortable for me, it's dangerous, just as

1 it is for children, older adults, and people
2 with other health conditions.

3 That is why I'm here to urge you, do
4 not revoke the Endangerment Finding or the
5 Clean Vehicle Standards, doing so would strip
6 away critical protections that safeguard us
7 from climate pollution and its many harms.
8 This isn't abstract, it's happening now, and
9 it's affecting families like mine.

10 I grew up in New Hampshire and I
11 returned in 2018 expecting the same crisp
12 autumns and snowy winters of my childhood.
13 Instead, I found December flooding, 60 degree
14 days in February, and dangerous summer heat
15 domes. Our winters are warming faster than
16 almost anywhere else in the country, leading to
17 earlier snow melt, drier soils, and worsening
18 summer droughts. We are also experiencing
19 extreme rainfall events, putting our lives and
20 livelihoods at risk.

21 Here, a 95-degree day is not normal.
22 Most homes don't have air conditioning and our
23 population, one of the oldest in the Nation, is
24 particularly vulnerable to heat-related
25 illness. Climate change is already here and

1 it's making communities less safe. We are not
2 prepared and we are in danger.

3 Upholding the Endangerment Finding is
4 both a legal responsibility and a moral one.
5 Preserving it means cleaner air, healthier
6 families, stronger communities, and a safer
7 future for our children. Please protect these
8 standards and protect the people that depend on
9 them, like me and my family. Thank you.

10 FACILITATOR PAM: Thank you for your
11 comment. Our next speaker is Erin Miller.

12 MS. MILLER: Hi. My name is Erin
13 Miller. I am testifying as a private
14 individual. I'm a physician, double board
15 certified in internal medicine and pediatrics.
16 I have been providing primary care in Detroit
17 since 2018. I am speaking today to express my
18 deep concern regarding the Reconsideration of
19 the Endangerment Finding.

20 I have many stories about how climate
21 change, fueled by carbon emissions, has touched
22 the lives of my patients, but I've chosen today
23 to speak with you as a mother.

24 In June of 2023 my daughter was just
25 four weeks old, and at that time unprecedented

1 wildfires in Canada caused horrible air
2 quality. You may recall photos of an orange
3 haze blanketing major cities on the East Coast
4 and Midwest. That week my three-year-old son
5 developed a viral illness, which was nothing
6 special for him but if he had given it to my
7 four-week old, it would have meant a trip to
8 the emergency department for her.

9 As a pediatrician, I know how harmful
10 poor air quality is to all children, but the
11 younger the child, the more susceptible they
12 are to lifelong consequences, like an increased
13 risk of asthma. And in that moment, I felt
14 helpless. I had no way to shield my daughter
15 from this dangerous air if I needed to take her
16 for urgent medical care and I viscerally felt
17 what I had only known intellectually before.

18 When climate disaster is at your door,
19 it doesn't matter who you are or how much you
20 know you are vulnerable, and despite your best
21 efforts you may not be able to shield your
22 child. More and more, the effects of climate
23 warming greenhouse gases are at our door.
24 These extreme weather events, fires, floods,
25 heat waves, hurricanes, are coming with

1 increasing frequency and ferocity, and when
2 they're upon us, there's vanishingly little
3 that we can do.

4 Just this year we have watched
5 children washed away in a flash flood, choked
6 again, by wildfire smoke, and they are
7 evacuating as we speak as an intense hurricane
8 bears down. The Endangerment Finding must
9 stand as a promise to our children that we will
10 protect them from the worst climate disasters.
11 If it is overturned, we are forsaking our
12 chance to protect America's children.

13 I urge you, on behalf of my children,
14 and yours, to uphold and strengthen the
15 Endangerment Finding. I thank you for your
16 time.

17 FACILITATOR PAM: Thank you for your
18 comment. Our next speaker is Keith Cavallini.

19 MR. CAVALLINI: I am Keith Cavallini,
20 with Green Diesel Engineering, a company
21 focused on minimizing CO2 and diesel
22 powertrains. Thank you for the opportunity to
23 speak.

24 Rescinding this rule is a step in the
25 right direction. It created negative market

1 effects during the last 16 years and resulted
2 in higher levels of CO2 in the atmosphere.
3 This stems from nuances and how CAFE is
4 calculated for manufacturers.

5 EPA regulates passenger vehicles and
6 light duty trucks. If a truck weight class is
7 above 8500 pounds, it is not figured in the
8 CAFE and outside CO2 regulations. Since 2009
9 the OEMs have been setting sales records on
10 bigger vehicles. These trucks average 10 to 17
11 miles per gallon, way below industry average,
12 EPA factored them into the equation. CO2 is
13 increasing and not decreasing as their data
14 presents.

15 The EPA was given authority to
16 regulate HC, CO, NOx, and particulate emissions
17 with the Clean Air Act in 1970. The first 10
18 years of regs were very successful in bringing
19 emissions to safe levels. However, since 1980
20 EPA has further restricted NOx emissions at the
21 expense of increasing CO2 emissions. NOx and
22 CO2 formations are inversely proportional in
23 diesel engines. NOx is not a greenhouse gas
24 and never accumulates on the Earth.

25 CAFE is not needed if we take a

1 pragmatic approach to NOx regulations, allowing
2 diesel vehicles to emit 3 grams per mile of NOx
3 can cut CO2 emissions by roughly 100 grams per
4 mile. Lightning makes more NOx every year than
5 all vehicles on the road combined. The human
6 body also creates NOx and CO2 emissions in our
7 breathing process.

8 The U.S. could realize a reduction of
9 450 million metric tons of CO2 per year from
10 engine calibration alone if NOx limits were
11 raised to 3 grams per mile, this would be the
12 largest decrease of CO2 emissions on this
13 planet in the history of human activity.

14 Additionally, a robust biofuel
15 industry could reduce CO2 1 billion metric tons
16 yearly.

17 EPA also needs to rescind the memo on
18 tampering policy dated 23 November 2020, as it
19 does not align with the written code. This was
20 made up rules and illegal. EPA enforcement
21 during the last 10 years on companies in the
22 U.S. has led to inferior products coming in
23 from other countries, this has also increased
24 total CO2 emissions. A very bad policy.

25 Thank you and God bless your path.

1 FACILITATOR PAM: Thank you for your
2 comment. Our next speaker is Amanda Rowoldt.

3 MS. ROWOLDT: My name is Amanda
4 Rowoldt, and I live in Franklin County in
5 Dublin, Ohio. I'm an Ohio field organizer for
6 Moms Clean Air Force and a mother of two young
7 boys.

8 As a mother, as someone concerned
9 about healthy living, and an advocate for
10 children, it's important for me to voice my
11 strong opposition to EPA's proposal to rescind
12 the Endangerment Finding and limits on
13 greenhouse gas emissions from tailpipes. These
14 safeguards are vital to protecting children
15 from climate change, a change that is harming
16 our health.

17 In Ohio, my family has been impacted
18 by climate change. Research shows that climate
19 change is creating conditions that allow
20 wildfires to burn longer and more intensely,
21 and many of us have experienced the effects of
22 wildfires firsthand in the last few years.

23 In the summer of 2023 my family, and
24 millions of other families in Ohio and around
25 the country, were impacted by the Canadian

1 wildfires that burned throughout the summer for
2 weeks at a time. The barrage of smoke could be
3 seen in the air. Day after day, week after
4 week, poor air quality alerts were issued and
5 severely limited my children's ability to play
6 outside. Lack of outside time created
7 frustration and stress for the entire family.

8 The lack of time outside was
9 especially hard for my child with ADHD, who
10 regularly benefits from physical activity
11 outside. Without this opportunity to be
12 outside, his ability to stay emotionally
13 regulated was compromised, leading to stress
14 for him and for our entire family unit.

15 The Endangerment Finding gives EPA the
16 authority to address major sources of climate
17 pollution from a range of industries, such as
18 the transportation sector, the power sector,
19 and the plastics and petrochemicals industry.
20 Plastics and petrochemicals are the world's
21 fastest growing industrial source of greenhouse
22 gases and they are a significant part of the
23 climate crisis.

24 I'm deeply concerned that human
25 well-being will be in serious jeopardy without

1 the Endangerment Finding. It's imperative to
2 keep the Endangerment Finding in place so we
3 can decrease our chances of more out of control
4 wildfires and other extreme weather that
5 worsens our air quality and compromise our
6 children's ability to do simple things, like go
7 play outside. Without the Endangerment
8 Finding, we will see more heat-related
9 illnesses on our kids playing fields and
10 playgrounds. We'll see more cognitive impacts
11 on children, because extreme heat compromises
12 children's ability to focus and learn.

13 Too much is at stake for children and
14 families. The EPA must not revoke the
15 Endangerment Finding. The EPA must continue to
16 regulate greenhouse gas emissions so we do not
17 make matters worse and contribute to more air
18 pollution that limits our children's freedom
19 and healthy development.

20 As a mother and Ohio resident, I
21 strongly oppose EPA --

22 FACILITATOR PAM: That's time. Thank
23 you for your comment. Our next speaker is
24 Micah Nishigaki.

25 MS. NISHIGAKI: Good morning. I'm

1 Micah Nishigaki, and I'm a family medicine
2 physician in Texas with the Medical Society
3 Consortium on Climate and Health.

4 And I'm stating my opposition to the
5 elimination of the Endangerment Finding, which
6 is a crucial foundation to regulating
7 greenhouse gases. Without the Endangerment
8 Finding, I'm concerned that we will propel
9 ourselves to a significantly worse environment,
10 which will have devastating consequences on our
11 health and our planet.

12 A few years ago, on a scorching summer
13 day, I was walking home when I saw an older
14 gentleman laying down on the sidewalk hardly
15 moving. Concerned, I went up to him and found
16 that he was exhausted and dehydrated from the
17 heat and was not in any condition to walk home
18 safely. I ended up calling an ambulance for
19 him to recover from what seemed like simple
20 dehydration. At the time I didn't think much,
21 except to get him to a safe place where he
22 could get appropriate care. But now, I
23 realized that he was a victim of extreme heat,
24 requiring an ER visit. Unfortunately, this
25 gentleman's story isn't the only one and not

1 everyone is able to get appropriate care on
2 time, which could be lethal to many
3 individuals.

4 My point being, greenhouse gases have
5 been shown to worsen climate change, which is
6 linked to the extreme heat waves and weather
7 events occurring globally. There's,
8 unfortunately, plenty of tangible evidence of
9 the impacts of climate change happening right
10 now. We're seeing an increased extreme weather
11 events, such as the wildfires in California or
12 currently in Canada, with the wildfire smoke
13 prompting air quality alerts in the states such
14 as New York, Pennsylvania, Massachusetts. Or,
15 the recent deadliest inland flooding in the
16 U.S. since 1976 that had been last month in my
17 state of Texas.

18 Extreme heat has been shown to
19 increase kidney diseases and preterm births.
20 Wildfire smoke has been shown to worsen
21 dementia or increased risks of certain types of
22 cancers. Flooding can destroy homes and
23 healthcare facilities, delaying care and
24 worsening chronic conditions way beyond the
25 immediate aftermath of the weather event.

1 Thus, every bit of regulation decreasing
2 greenhouse gas harms is significant, and we
3 should be working towards solutions that
4 minimize these health and environmental harming
5 pollutants, not withdrawing them.

6 Climate change sets off a chain
7 reaction that will worsen the health, physical,
8 mental, and financial burdens on all Americans,
9 and is one of the greatest public health
10 threats of this century.

11 Imagine breathing fresh and crisp air
12 or enjoying beautiful landscapes that aren't
13 marred by air pollution, or not worrying about
14 air pollution poisoning you and your loved
15 ones. This can be a reality by not eliminating
16 the Endangerment Finding. We expect the EPA to
17 uphold precedent rulings mandating the agency
18 to regulate greenhouse gases to protect human
19 environmental health, so please do not repeal
20 the Endangerment Finding. Thank you for your
21 time.

22 FACILITATOR PAM: Thank you for your
23 comment. Our next commenter is Sandy Bahr.

24 MS. BAHR: My name is Sandy Bahr, I'm
25 the director of Sierra Club's Grand Canyon

1 Chapter, which is the Arizona Chapter, and I
2 live in Phoenix.

3 Arizona has been my home for most of
4 my life, and I'm deeply concerned about the
5 impacts we're seeing here from climate change,
6 including the intensifying extreme heat. A hot
7 place has gotten hotter. We continue to set
8 new records for heat, resulting in more and
9 more heat-related dust and higher and higher
10 cooling bills. We also experience extreme
11 drought. A dry place has gotten drier. And,
12 more intense wildfires. All of these have
13 significant impacts on and endanger our health.

14 That's just one reason that I think
15 this proposal to rescind the Endangerment
16 Finding is absolutely ridiculous and totally
17 irresponsible. Eliminating EPA's requirement
18 to protect people from pollution that causes
19 climate change is not supported by science or
20 by common sense, and frankly, is immoral.

21 Eliminating the Endangerment Finding
22 ignores the substantial body of science going
23 back decades that supports the fact that
24 greenhouse gases are warming our planet and
25 that the impacts of that warming are harming

1 our health. Repealing the Endangerment Finding
2 will not just harm the climate and our health,
3 it will harm our economy. Already climate
4 change is costing us with higher insurance
5 rates. Some people can't even get insurance.
6 Health care costs, higher utility bills, and
7 continued investments in expensive fossil
8 fuels, clean energy is cheaper than coal and
9 gas.

10 Rolling back vehicle pollution
11 standards, despite how much they help to reduce
12 climate pollution in our communities, is also
13 outrageous. A great deal of both of our
14 climate harming pollutants and criteria
15 pollutants here in Phoenix are associated with
16 vehicle emissions. The last thing we need in
17 my state is for you to eliminate an
18 underpinning for climate action.

19 Make no mistake, advancing the
20 proposal to repeal the Endangerment Finding is
21 a polluter's agenda and will further shift
22 costs from large, wealthy, multinational fossil
23 fuel corporations to everyday people and to
24 future generations. Repealing this important
25 finding lets polluters get richer while we pay

1 the price to our health, our wallets, and our
2 lives. Please don't.

3 FACILITATOR PAM: Thank you for your
4 comment. Our next commenter is Myrtis
5 Sullivan.

6 MS. SULLIVAN: Good morning. I am a
7 board certified pediatrician in Chicago and a
8 member of the American Academy of Pediatrics
9 and the National Medical Association's Council
10 on Environmental Health and Climate Change.
11 And I'm here today to express my deep concern
12 over any effort to repeal or weaken the EPA's
13 2009 Endangerment Finding.

14 As a parent of a child with asthma and
15 the former Director of the Pediatric Emergency
16 Services at Cook County Hospital in Chicago for
17 over 10 years, I saw the devastating health
18 effects of air pollution on children who live
19 in the inner city. Tragically, if the
20 Endangerment Finding is repealed; the EPA will
21 lose its legal authority to regulate greenhouse
22 gases and, thereby, opening the door to higher
23 levels of pollution and worsening climate
24 change and increase health risk for children,
25 especially children in low-income communities

1 and communities of color, where I serve, who
2 they -- who suffer disproportionately from
3 increased asthma and health related illness and
4 trauma.

5 As pediatricians, we have a moral and
6 professional responsibility to protect
7 children, who are the least responsible for
8 climate change, and yet bear the greatest
9 burden of these consequences. Children are
10 uniquely vulnerable to health impacts of
11 climate change, including, but not limited to,
12 air pollution. Their lungs are still
13 developing and they breathe more air per pound
14 than adults, this puts them at greater risk for
15 pollution. And to make matters worse, it
16 doesn't stop there. Climate change also
17 threatens through extreme heat, contaminated
18 water, and increased exposure to infectious
19 diseases.

20 So this proposal not only is a
21 dangerous reversal of longstanding,
22 scientific-based health protection, it also
23 threatens our children's health and future. I
24 urge the EPA to uphold the Endangerment Finding
25 and maintain its authority to limit greenhouse

1 gas emissions. Our children's health and their
2 future depend on it. Thank you.

3 FACILITATOR PAM: Thank you for your
4 comment. Our next commenter is Rachel Sakata.

5 MS. SAKATA: Good morning. My name is
6 Rachel Sakata, Transportation Strategies
7 Section Manager in the Oregon Department of
8 Environmental Quality's Air Quality Division,
9 speaking to strongly oppose EPA's proposal to
10 rescind the Endangerment Finding and weaken
11 motor vehicle emission standards.

12 In Oregon, transportation is the
13 largest source of climate pollution and a
14 leading contributor to the diesel, smog, and
15 fine particles that burden frontline
16 communities near highways, rail yards, and
17 ports. These are often low-income communities
18 and communities of color already facing higher
19 rates of asthma and heart disease. Weakening
20 these standards means forcing them to keep
21 paying the price in hospital bills, missed
22 work, and lost years of life.

23 The science behind the Endangerment
24 Finding and Vehicle Standards is not only
25 clear, it's built on decades of peer-reviewed,

1 consensus-driven research. That science shows
2 unequivocally that greenhouse gas emissions
3 endanger public health and welfare. Rescinding
4 these protections would reject that scientific
5 foundation, unravel years of climate and air
6 quality progress, and expose people to even
7 greater harm.

8 And the risks are no longer
9 theoretical. Oregon is already living the
10 consequences of extreme heat, shrinking snow
11 pack, worsening drought and more severe
12 wildfires. Wildfire smoke now blankets our
13 state every summer, choking the air for weeks.

14 EPA's own analysis shows these rules
15 will deliver \$99 billion in net benefits by
16 2055, reduce fuel and maintenance costs for
17 drivers, and avoid thousands of hospital
18 visits, asthma attacks, and premature deaths.
19 In Oregon alone, these protections matter
20 deeply to families living with chronic
21 respiratory illness and to the next generation
22 who will bear the cost of inaction.

23 EPA has both the authority and
24 obligation to act, the Supreme Court confirmed
25 that Massachusetts versus EPA. And the

1 you for the opportunity to testify today. I am
2 Patrick Kelly, Vice President Energy and
3 Environmental Affairs at the American Trucking
4 Associations.

5 ATA is the largest national trade
6 association representing the trucking industry
7 and a federation of state trucking associations
8 representing eight and a half million people in
9 trucking related jobs.

10 ATA supports EPA's proposal to rescind
11 the unachievable, heavy duty, phase three
12 greenhouse gas standards. This de facto
13 electric vehicle mandate put the trucking
14 industry on a path to economic ruin and would
15 have crippled our supply chain, disrupted
16 deliveries, and raised prices for American
17 families and businesses.

18 Through innovation and cooperative
19 government industry initiatives, it takes 60
20 trucks today to emit what one truck did in
21 1988. A new heavy-duty truck produces 40
22 percent fewer carbon emissions and 99 percent
23 fewer emissions of nitrogen oxide and
24 particulate matter. America's trucking
25 industry supports cost effective policies that

1 reduce emissions and promote cleaner, more
2 efficient technologies, but these policies must
3 be rooted in real-world conditions.

4 EPA is now proposing to return heavy
5 duty vehicle emission regulations to a path of
6 common sense, enabling truckers to deliver for
7 the American people as we continue to reduce
8 our environmental impact.

9 Unlike previous GHG emission
10 regulations, the phase three rule relied on
11 unproven emerging technologies and was
12 developed independent of the Department of
13 Transportation's National Highway Traffic
14 Safety Administration. The rule failed to
15 adhere to the lead time and stability
16 requirements established by Congress.

17 To be clear, ATA supports the market
18 introduction of a wide range of solutions to
19 drive down emissions, including battery
20 electric, hydrogen, renewable diesel, renewable
21 natural gas, and hybrid systems. EVs have been
22 deployed in certain markets where they make
23 economic sense. However, the mandated EV
24 adoption timelines were never realistic and EV
25 trucks simply don't make sense for the most

1 heavy duty fleets today. Fleets are focused on
2 the total cost of ownership and the upfront
3 cost of EV trucks remains prohibitively high.
4 The phase three rule presumed these costs would
5 decline over time and the infrastructure would
6 develop, but time has proven these assumptions
7 to be wrong.

8 EPA must rescind phase three. We look
9 forward to continuing to collaborate with EPA
10 on SmartWay and other initiatives to improve
11 efficiency.

12 FACILITATOR PAM: That is time. Thank
13 you. The next commenter is Paul Billings.

14 MR. BILLINGS: Good morning. I'm Paul
15 Billings. I'm testifying as a volunteer
16 advocate for breathers.

17 I strongly oppose this proposal and
18 urge EPA to retain Endangerment Finding and the
19 Greenhouse Gas Vehicle Standards, please
20 withdraw this proposal. Climate change is a
21 health emergency. Greenhouse gas pollution
22 endangers public health and welfare. The
23 science is clear on the public record for the
24 Endangerment Finding clearly and decisively
25 supports this conclusion. The Clean Air Act

1 requires EPA to act to address this harmful
2 pollution. The commonsense greenhouse gas
3 vehicle standards effectively reduce air
4 pollution from light, medium, and heavy duty
5 vehicles. Promulgated after extensive
6 research, analysis, and public comments, these
7 standards cut pollution, save thousands of
8 lives and save consumers billions of dollars.
9 The technologies meet these standards are
10 widely available, manufacturers have great
11 flexibility to choose how to comply, and they
12 have made significant investments to comply.

13 Rolling back these standards will
14 result in more adverse health consequences,
15 asthma attacks, heart attacks, strokes, even
16 premature death. Rollbacks increase air
17 pollution and increase transportation costs.

18 To the political leadership at EPA, I
19 urge you to follow the science and faithfully
20 follow the Clean Air Act. Throughout history,
21 there have been many who've moved science
22 forward and overcome powerful interest to try
23 to block or ignore the science. I urge EPA
24 leadership to reverse its current course,
25 listen to the science and reject nonsense.

1 We celebrate Galileo and the
2 Copernican Heliocentric model, the Earth
3 revolves around the Sun, not Pope Urban VIII
4 who simply called this heresy. We remember the
5 courageous Surgeon General Luther Terry who
6 reported that cigarette smoking causes lung
7 cancer, not the cynical denials of the tobacco
8 industry.

9 If finalized, how will future
10 generations view this action? The science is
11 clear, greenhouse gas air pollution causes
12 climate change. The Clean Air Act requires EPA
13 to reduce air pollutants that endanger public
14 health and welfare.

15 I request the comment period be
16 extended by a minimum of 90 days to December
17 22nd, 2022 -- 2025, to give stakeholders time
18 to prepare detailed technical comments.

19 Also, please ensure the links on the
20 EPA website for the 2024 rules supporting
21 information are operational. Yesterday
22 morning, many of the links on the OTAQ pages
23 would not work. Dead links hinder commenters
24 preparing complete comments.

25 Finally, in closing, I want to thank

1 the EPA career staff. I appreciate all you do
2 to faithfully execute your oath of office.

3 FACILITATOR PAM: Thank you for your
4 comment. Our next commenter is Dr. Dave Cooke.

5 DR. COOKE: I'm Dr. Dave Cooke, Senior
6 Scientist in the Clean Transportation Program
7 at the Union of Concerned Scientists.

8 In less than three minutes, it is
9 obviously impossible to even scratch the
10 surface on the errors sprinkled and on
11 virtually every page of this proposal. So,
12 I'll simply outline the most egregious failings
13 and leave more detailed analysis to further
14 written comments.

15 EPA has made two dubious arguments for
16 the repeal of vehicle greenhouse gas emission
17 standards, neither of which holds up to
18 scrutiny. First, EPA claims that there is no
19 requisite technology for the control of
20 emissions from new vehicles based on a
21 fundamental misunderstanding of statistics.
22 The modeling certainty of an underlying
23 baseline does not supersede the modeling
24 uncertainty of the regulatory scenario. The
25 question at hand is whether or not there is a

1 technology that will reduce the emissions of
2 the pollutants in question. And as we have
3 shown repeatedly, and is even admitted by the
4 agency, greenhouse gas emissions from new
5 vehicles sold in the United States are on a
6 downward trend precisely because there are, in
7 fact, many technologies deployable in the new
8 vehicle fleet to reduce greenhouse gas
9 emissions from light, medium, and heavy duty
10 vehicles.

11 Secondly, EPA erroneously claims that
12 because standards are likely to impact the
13 upfront price of vehicles, of new vehicles,
14 that this will necessarily have a negative
15 impact on air quality. Yet, its own analysis
16 shows this not to be true. The agency's Omega
17 model already considers impacts on fleet
18 turnover, and it does show, as suggested, that
19 vehicle sales decrease slightly, increasing the
20 remaining VMT of the existing more highly
21 polluting fleet.

22 However, on net the Agency's analysis
23 still shows that the proposal increases NOx,
24 SOx, and PM2.5 in total in virtually every year
25 of the analysis. This analysis, which goes

1 unsighted in the proposal, is consistent with
2 the finalized multipollutant rule, which found
3 \$16 to \$36 billion in health benefits from GHQ
4 rules in 2055, precisely because the purported
5 disbenefits related to fleet turnover are small
6 compared to the benefits of the standards in
7 question.

8 Qualitative arguments like this are
9 rubbish, you actually have to run the numbers.
10 There are, of course, scores of other unsourced
11 claims throughout the proposed repeal,
12 including the entirety of Appendix B, which
13 misrepresents industry and consumer response to
14 regulations.

15 The Impact Assessment also
16 misrepresents the results and purpose of both
17 the Agency's Omega and HD TRUCS models and make
18 statements regarding compliance that are at
19 odds with the results of both. The lack of
20 rigor in the Agency's proposal underscores what
21 everyone else seems to understand. The data
22 and analysis support setting a strong
23 vehicle --

24 FACILITATOR PAM: That is time. Thank
25 you for your comment. Our next commenter is

1 Marguerite Pennoyer.

2 MS. PENNOYER: Good morning. My name
3 is Marguerite Pennoyer. I'm a physician
4 specializing in allergy, asthma, and
5 immunology, and live in Scarborough, Maine. I
6 am attending today to speak in opposition to
7 the repeal of the Endangerment Finding and
8 greenhouse gas standards for vehicles.

9 As physicians, we see far too often
10 the toll that asthma and other lung conditions
11 take on their patients and their families. An
12 asthma attack is extremely stressful and can
13 even be fatal. The danger is greatly magnified
14 in small children with tiny airways and their
15 more rapid breathing rates. We know that many
16 asthma attacks could be prevented through the
17 critical measure of reducing pollution and
18 making our air healthier to breathe.

19 The scientific evidence is irrefutable
20 that climate change is occurring and that these
21 changes are threatening human health in
22 countless ways. The congressionally mandated
23 U.S. National Climate Assessment uses the
24 expertise of over 400 scientists and has
25 consistently found that greenhouse gas

1 emissions are accelerating climate change, and
2 climate change is occurring at a faster pace in
3 the United States and elsewhere. It is
4 critical that the EPA maintains its strength as
5 an organization to protect our nation's health.

6 The EPA proposes to repeal the 2012
7 Vehicle Standards that are already being met by
8 manufacturers and were projected to provide
9 billions of dollars in annual health benefits
10 through reduced particle and ozone pollution
11 impacts. We simply cannot go back. Instead,
12 we must continue to move forward with the 2024
13 rules that further updated greenhouse gas
14 standards for vehicles at an estimated savings
15 of 8 billion tons of greenhouse gas emissions.
16 You cannot allow the Endangerment Finding to be
17 repealed, thusly undermining the regulatory
18 strength of your organization.

19 Watching a child struggle through a
20 severe asthma attack is terrifying for
21 patients, and something that no doctor can
22 easily forget. Upholding the current EPA
23 standards will be of immense benefit, not just
24 for children who struggle with asthma, but for
25 the health of our nation as a whole. Healthy

1 Americans and unwell Americans alike must
2 breathe healthy air. The urgency cannot be
3 overstated, our nation's health is being
4 damaged.

5 In conclusion, I oppose the EPA's
6 proposal to repeal the Endangerment Finding and
7 greenhouse gas standards for vehicles. Thank
8 you.

9 FACILITATOR PAM: Thank you for your
10 comment. Our next commenter is Robert Gould.

11 DR. GOULD: I'm Dr. Robert Gould.
12 After working as a pathologist for over 30
13 years, since 2012, I've been a professor at
14 UCSF School of Medicine. As a 30-year member
15 of the Santa Clara County Medical Association,
16 I've helped develop many California Medical
17 Association policies protective of public
18 environmental and occupational health,
19 including those connected with our climate
20 emergency.

21 I'm speaking on behalf of my County
22 Medical Association and as President of San
23 Francisco Bay Physicians for Social
24 Responsibility. Together, we represent many
25 hundreds of health professionals throughout our

1 region. We speak for the health of our
2 patients and communities, who are increasingly
3 harmed by the impacts of rapidly advancing
4 global warming, including the extensively and
5 irrefutably documented health harms of air
6 pollution, especially severe in California,
7 home to 6 of the 10 most ozone polluted, or
8 smoggiest cities in our nation. As such, we
9 strongly oppose EPA's irresponsible proposal to
10 repeal its Endangerment Finding and its
11 greenhouse gas standards for vehicles.

12 Climate change is already harming
13 American's health across every region of the
14 country. We are suffering from worsened air
15 quality from wildfire smoke and higher ozone
16 pollution and increasing occurrence and
17 severity of extreme weather events.

18 A 2024 review article published in the
19 New England Journal of Medicine documents that
20 in recent decades we have experienced an
21 increase in the frequency, duration, and
22 intensity of heat waves, of the annual number
23 of heat waves now being twice that experience
24 in the 1980s, epitomized by the current one
25 broiling millions throughout our Nation. Many

1 of our patients and communities are especially
2 vulnerable. Our children and elders, those
3 with preexisting health conditions, people who
4 work outside, communities of color and of low
5 wealth, who experience disproportionate health
6 harms. We need to greatly strengthen and
7 enforce environmental standards and regulations
8 to protect these populations.

9 EPA should not weaken, but strengthen
10 our standards for cars and trucks that
11 contribute so much particle, ozone, and other
12 toxic pollution causing or exacerbating
13 illnesses such as asthma, COPD, and heart
14 attacks. As well, the abundant particulate
15 matter emitted from diesel fuel trucks is
16 associated with an elevated risk of cancers to
17 those living close to such emissions.

18 EPA should do the right thing for our
19 patients and communities. Heed the experience
20 of countless health providers and scientists
21 who provided expertise to help guide policies.
22 Please reverse your plans to repute a well
23 developed science --

24 FACILITATOR PAM: That is time. Thank
25 you for your comment. Our next commenter is

1 Hayley Gorenberg.

2 MS. GORENBERG: Thank you. Hayley
3 Gorenberg, she/her, native Floridian
4 transplanted to Brooklyn, New York, testifying
5 against rescinding the Endangerment Finding.

6 The greenhouse gas emissions make our
7 planet hotter, smokier, stormier, and more
8 acidic is not fiction concocted by experts who
9 went weirdly pessimistic and decided to form
10 Club Eeyore. We need to embrace the
11 Endangerment Finding and have it drive American
12 progress.

13 My family, friends, and neighbors
14 suffer from greenhouse gas pollution. For
15 example, heat, we keep breaking records, even
16 with my Florida heat toughness, it's often
17 dangerous outside during intensifying heat
18 waves. Extreme heat worsens the range of
19 conditions, from heart disease to asthma to
20 mental health.

21 Mosquitoes and ticks are biting us and
22 spreading disease for more and more of the
23 year. Fires, members of my family have had to
24 flee unprecedented fires, and now firefighters
25 are getting sick with heart disease in their

1 30s from breathing poisonous smoke from
2 worsening fires. More air pollution, ozone
3 pollution and fine particulates damage our
4 health and quality of life.

5 Some days we have to call off going to
6 an outdoor concert or even taking a walk
7 because of dangerous air caused or exacerbated
8 by greenhouse gas impacts. Whole outdoor
9 events get canceled due to bad air, with
10 economic consequences for the people putting
11 them together, plus we lose out on what used to
12 be simple, seasonal fun.

13 Storms, more intense hurricanes slam
14 Florida and work their way up to and beyond
15 Brooklyn, devastating lives and breaking the
16 bank. And the deadly flash flood drownings in
17 Texas broke hearts nationwide.

18 Our problems get worse instead of
19 better if this Administration trashes the
20 Endangerment Finding. The Endangerment Finding
21 incentivizes our economy to be more
22 competitive. If we give up that leadership
23 North Star, other countries can continue
24 jumping ahead as we lose good, green American
25 jobs and opportunities. The Endangerment

1 Finding helps us make a more livable planet for
2 everyone. Rescinding makes for dirtier jobs in
3 a dirtier country. Demolishing the finding
4 would retreat from a successful future and look
5 to corrupt the EPA from being of, by, and for
6 the people, into being of, by, and for fat cat
7 fossil fuel corporate power.

8 To say I oppose isn't strong enough.
9 I condemn the evil minding effort, evil minded
10 effort to revoke the Endangerment Finding.

11 FACILITATOR PAM: That is time. Thank
12 you for your comment. Our next commenter is
13 Chris Bliley.

14 MR. BLILEY: My name is Chris Bliley,
15 and I'm the head of Regulatory Affairs for
16 Growth Energy. Growth Energy is the nation's
17 largest association of biofuel producers,
18 collectively representing more than half of our
19 country's ethanol production.

20 Fuels and vehicles operate as a
21 system, as such, it's imperative to consider
22 the vital role that renewable liquid fuels,
23 such as ethanol, play in helping our country
24 increase its energy security, improve the
25 environment, all while reducing consumer costs.

1 Liquid fuels will continue to play a
2 dominant role in the transportation sector now
3 and for decades to come, and the agency is
4 right to recognize that our nation should not
5 be solely dependent on only one vehicle
6 technology.

7 U.S. ethanol from corn and sorghum is
8 an available and affordable means to broaden
9 our domestic fuel supply while providing
10 considerable benefits to consumers, our rural
11 economy, and our environment, including
12 reductions in carbon monoxide, benzene, and
13 other harmful particulates. With a stable
14 policy and access to drivers, we believe we can
15 deliver low cost, high performing fuel
16 solutions that provide benefits now and well
17 into the future.

18 To achieve these benefits, we urge EPA
19 to provide strong and clear policy as follows:

20 One, EPA should take action to remove
21 barriers and encourage the use of blends such
22 as E15 and E85 in today's vehicle fleet.

23 Two, EPA should consider a higher
24 octane fuel requirement. Higher octane fuels
25 give automakers greater flexibility and engine

1 efficiency.

2 Three, EPA should approve a high
3 octane, midlevel ethanol fuel for vehicle
4 certification, such as the 100-RON E30 that we
5 first proposed. EPA should also work with
6 Congress to consider solutions from the next
7 generation fuels act to further the use of
8 higher octane fuels.

9 Four, EPA and NHTSA should work
10 together to reestablish appropriate credit to
11 automakers for the production of flex fuel
12 vehicles.

13 Five, EPA should work quickly to
14 finalize its RFS proposal for '26 and '27, as
15 well as to finalize its proposal to broaden the
16 use of existing fuel infrastructure for E15.

17 Six, finally, we greatly appreciate
18 EPA's work to provide emergency RVP waivers for
19 E15 this summer and reiterate the call to work
20 with Congress on a permanent solution for the
21 sale of higher ethanol blends.

22 Thank you in advance for your
23 consideration. We look forward to working with
24 you.

25 FACILITATOR PAM: Thank you for your

1 comment. Our next commenter is Pamela Guthman.

2 DR. GUTHMAN: Good morning. I am
3 providing my testimony in strong opposition of
4 the proposed rule Reconsideration of 2009
5 Endangerment Finding and greenhouse gas vehicle
6 standards.

7 My name is Dr. Pamela Guthman, and I'm
8 an advanced practice nurse in public and
9 population health nursing with over 40 years in
10 this profession. I'm also a member of Healthy
11 Climate Wisconsin and the Alliance of Nurses
12 for Healthy Environments, as well as other
13 professional organizations who want the very
14 best for the health of our patients and
15 populations we have the privilege to serve. I
16 also live in rural western Wisconsin and I have
17 an electric vehicle.

18 I'm very disappointed that this
19 proposal is taking up precious time from our
20 healthcare providers who are working hard to
21 prevent illnesses and death, to free up time to
22 testify about the deadly effects of greenhouse
23 gases that is hurting all of us, and most
24 importantly, hurting our children. As a nurse,
25 a mom, and a grandmother, I see patients who

1 released in 2023 substantiated greenhouse gas
2 emissions occur from human activities with the
3 United States warming faster than the global
4 average. The White House disbanded the
5 National Climate Assessment of United States
6 authors of scientists and experts, the science
7 is clear in recognizing that transportation is
8 the largest contributor to greenhouse gas
9 emissions at 28 percent, with most of the
10 emissions from cars and trucks.

11 Repealing the standards will decrease
12 the immediate health benefits that would have
13 been gained from the vehicles that produce less
14 emissions. Please do not repeal the 2009
15 Endangerment Finding and greenhouse gas vehicle
16 standards because such a decision is an illness
17 and a death sentence for all of us, especially
18 for our children. Thank you.

19 FACILITATOR PAM: Thank you for your
20 comment. Our next commenter is Leslie
21 Glustrom.

22 MS. GLUSTROM: Thank you very much for
23 this opportunity. I apologize for my voice, we
24 have a lot of wildfire smoke here in Colorado
25 where I am and that makes it very difficult for

1 me to speak. So hopefully you will take that
2 as part of the evidence in this record.

3 I want to -- I'm a biochemist by
4 training. I want to strongly support everyone
5 who has testified so far and who will testify
6 about why the Endangerment Finding should not
7 be rescinded.

8 I would also like to call attention to
9 sort of a bookend of studies, we will submit
10 them into the record. But, you know, the
11 science is clear. It's been clear, really,
12 since the 1850s. There's increasing attention
13 to Eunice Foote, who was one of the first
14 people to say, whoa, if we add more CO2 into
15 the atmosphere, it's going to get a lot warmer,
16 and then there'll be all those health impacts.

17 I'd also like to call attention to
18 former Harvard Professor Paul Epstein, he died
19 in 2011, but he did a lot of the pioneering
20 work on the interface between the changing
21 climate and what that means for human public
22 health. We will submit those studies also into
23 the record. But I want to honor Dr. Epstein's
24 memory, he was an amazing scientist and amazing
25 person.

1 But the EPA on Page 36,300 of the
2 Federal Register Notice has made a big deal of
3 well, it has to be the pollutant itself that
4 causes the harm. Well, this is not difficult
5 to do, because CO2 is key to human respiration,
6 and the ratio of oxygen and carbon dioxide is
7 key to making breathing work directly,
8 independent of the climate change science,
9 which I say very concerned about. So, we will
10 submit those kind of studies also into the
11 record. If you mess up oxygen and CO2, you
12 start to have (inaudible).

13 So then let's just talk briefly about
14 our President, whose last name is Trump. You
15 don't get to trump science just because your
16 last name is Trump. You don't get to trump
17 physics because your last name is Trump.

18 And finally with respect to the
19 automobile standards, it makes no sense to tie
20 our country to 20th century technology. Let
21 China take the lead on electric vehicles, which
22 are amazing. And I just finally want to send
23 my greetings to those at EPA who still care.

24 FACILITATOR PAM: Thank you for your
25 comment. Our next commenter is Theodore

1 Uhlman.

2 MR. UHLMAN: Hi, there. My name is
3 Ted Uhlman, and I live in the western suburbs
4 of Philadelphia. Hello. Can you hear me now?

5 FACILITATOR PAM: Yes, we can. Thank
6 you.

7 MR. UHLMAN: Yes. My name is Ted
8 Uhlman, and I live in the western suburbs of
9 Philadelphia.

10 On the Department of Energy's website,
11 we can see that Secretary of Energy, Chris
12 Wright, delivered keynote remarks in Houston,
13 Texas, at CERAWeek 2025 on March 10th, 2025.
14 In his keynote speech he stated, in part, the
15 Trump Administration will treat climate change
16 for what it is, a global physical phenomenon
17 that is a side effect of building the modern
18 world. We have indeed raised global CO2
19 concentration by 50 percent.

20 So, if the government admits that
21 climate change is a side effect of increasing
22 global atmospheric CO2 concentration by 50
23 percent, that is an admission by this current
24 Administration that there is a direct causation
25 between rising CO2 levels and climate change.

1 The Endangerment Finding is necessary
2 to protect the environment and the citizens of
3 the United States from the climate change and
4 these rising CO2 levels. The 2009 Endangerment
5 Finding is the scientific determination that
6 heat trapping gases endanger public health and
7 welfare. The EPA has a duty to follow science
8 and its responsibility to protect the
9 environment and the citizens of the United
10 States.

11 The Heritage Foundation's document
12 2025 Mandate for Leadership: The Conservative
13 Promise argues against the Endangerment
14 Finding. It argues against anything that
15 smells like a scientific approach to climate
16 change. It is not a scientific document, it is
17 a political document, and it is simply not
18 legal for the EPA to follow the politics and
19 reject the science.

20 I condemn this decision to repeal the
21 2009 Endangerment Finding, and you should too.
22 Thank you.

23 FACILITATOR PAM: Thank you for your
24 comment. Our next available commenter is Lois
25 Bower-Bjornson.

1 MS. BOWER-BJORNSON: Can you guys --
2 there you go, there I am. Sorry about that,
3 apologize, took a second to get off of mute and
4 camera. My name is Lois Bower-Bjornson. I am
5 the southwestern Pennsylvania Field Organizer
6 with Clean Air Council and the host of
7 Frackland Tours.

8 I implemented Frackland Tours to give
9 people a firsthand account of what it was like
10 to live and grow up in the shale fields of
11 southwestern Pennsylvania. I live 40 minutes
12 south of Pittsburgh, in the most heavily
13 fracked county of our state. So as you can
14 imagine, we have seen definite issues with
15 climate change happening here due to the oil
16 and gas industry in particular.

17 I have raised four children in this
18 pollution. All four of my children have had
19 health impacts from the oil and gas industry,
20 everything from rashes, bloody noses, Lyme
21 disease. I actually was just diagnosed with
22 Lyme disease about a week ago. So it's
23 interesting how, with the increased climate
24 change we're seeing obviously a more higher in
25 tick population.

1 One of the things that we note here,
2 living here in southwestern Pennsylvania, is
3 the extreme weather. We've had a monsoon type
4 rain all summer long, until the month of
5 August, and now it's too dry. I, again, as I
6 stated earlier, live 40 minutes south of
7 Pittsburgh and I know you're all aware of what
8 happened in Clairton at the Coke Works
9 facility, so I work with a lot of folks in that
10 area and have friends that live in Clairton.
11 Before this explosion, they had some of the
12 highest rates of asthma in the country, highest
13 rates of cancer of people living next to these
14 pollution facilities.

15 Paying the polluters to pollute more
16 is not helping our environment.

17 16 years ago, the EPA found that
18 carbon pollution, methane, and other climate
19 pollutants endanger public health, and a
20 finding endorsed by the Supreme Court and
21 Congress under the Clean Air Act. Now they're
22 trying to reverse this and ignore, to hasten
23 laws and plans for the polluters.

24 Our current President asked the fuel,
25 the fossil fuel industry, for \$1 billion and

1 now he is, in return, is promising to do their
2 bidding. Something like this, again, as a
3 political move, this is not to help people in
4 communities.

5 Daily I work with folks who have
6 negative impacts from the oil and gas industry,
7 climate change, and so on and so forth. Every
8 day I get a call from someone saying I'm sick,
9 I'm hurt, my asthma is crazy, this and that is
10 going on.

11 So it is imperative that this
12 Endangerment Finding act is not reversed or
13 ignored. I think we're in a point now, in the
14 year 2025, that it's time to stand up for the
15 signs and look at what is actually really
16 happening.

17 FACILITATOR PAM: Thank you for your
18 comment, that is time. Our next commenter is
19 Daniel Galpern.

20 MR. GALPERN: Good morning. I'm Dan
21 Galpern with CPR Initiative.

22 I'll use my time here to emphasize a
23 short passage. We absolutely must consider,
24 quote, the totality of the circumstances in
25 order to understand the role played by section

1 202 source categories. This is consistent with
2 Congress's intent to consider the cumulative
3 impact of all sources of pollution. In that
4 context, the global nature of the air pollution
5 problem and the breadth of countries and
6 sources emitting greenhouse gases means that no
7 single country and no single source category
8 dominate, or are even close to dominating on a
9 global scale. The total emissions of
10 greenhouse gases are from numerous sources and
11 countries, with each contributing a relatively
12 small percentage of the total. That means that
13 a country or source may be a large contributor
14 in comparison to others, even though its
15 percentage contribution may appear relatively
16 small. In this situation, addressing a global
17 air pollution problem calls for many different
18 sources and countries to address emissions,
19 even if none by itself comes close to
20 dominating the global inventory. A somewhat
21 analogous situation can be found in the ozone
22 air pollution problem. Emissions of NO_x and
23 volatile organic compounds often come from
24 numerous small sources, as well as certain
25 large source categories. The global aspects of

1 the greenhouse gas air pollution problem
2 amplify this kind of situation many times over.
3 In this situation, it is reasonable and
4 necessary to consider emissions from source
5 categories, even where their percentage
6 contribution may appear relatively small, end
7 quote.

8 Those words, except for my addition of
9 and necessary, derived directly from your own
10 Agency's original Endangerment Finding from
11 2009. What was true then remains true today
12 and necessary for all practical purposes. At
13 this late hour, we simply must not renege on
14 our national commitment to combat dangerous
15 climate change.

16 FACILITATOR PAM: Thank you for your
17 comment. Our next commenter is Jeremy Summers.

18 DR. SUMMERS: Good morning. I'm the
19 Reverend Dr. Jeremy Summers, and I'm writing as
20 a, speaking as the Creation Care Champion with
21 the Evangelical Environmental Network. I'm an
22 Evangelical Christian, a private citizen, a
23 parent, and also director of church community
24 engagement for the Evangelical Environmental
25 Network. I'm also affiliate faculty at Indiana

1 Wesleyan, ordained minister of the Wesleyan
2 Church, and a proud Hoosier who resides in
3 Indiana.

4 And so, as an Evangelical Christian
5 committed to defending life and to love our
6 neighbors, I'm really asking the EPA not to
7 repeal the Endangerment Finding and greenhouse
8 gas standards for vehicles. Excessive
9 greenhouse gas emissions fuel dangerous extreme
10 weather and heat, threaten the health of all
11 God's children and God's creation, putting
12 lives and livelihoods in harm's way. And I
13 believe it's important to me that the EPA keep
14 the Endangerment Finding in place and not
15 abandon its responsibility to protect human
16 health from climate fueled harms.

17 Rolling back the vehicle pollution
18 standards would expose Americans families to
19 significantly more air pollution from vehicle
20 exhaust, worsening the risk of asthma, lung and
21 heart disease, as well as cancer. 72 million
22 Americans live nearby major trucking routes,
23 putting them at risk of both chronic and acute
24 exposure to dangerous levels of air pollution.
25 Residents in these fence line areas are

1 disproportionately likely to be people of color
2 or come from low-income households.

3 Rolling back the clean vehicle
4 standards would cause more than 8 billion tons
5 of additional climate pollution to be emitted
6 to the atmosphere by 2055, the equivalent of
7 running 211 typical coal power plants for an
8 entire decade. According to EPA analysis, the
9 transportation sector accounts for 29 percent
10 of greenhouse gas emissions, more than any
11 other sector in the U.S..

12 As climate change continues to drive
13 new temperature records across the U.S., year
14 after year, the number of Americans dying from
15 heat has more than doubled since 1999 and about
16 48 percent of heat-related deaths took place in
17 Arizona, California, Nevada, as well as Texas.

18 Greenhouse gas pollution from
19 transportation sectors directly linked to
20 extreme weather events devastated by American
21 families communities across the country. The
22 proposed repeal of Endangerment Greenhouse
23 Vehicle Standards will end the critical
24 defending the health and safety American
25 communities from the harms extreme weather. My

1 commitment is that we find that this will stay.
2 Thank you.

3 FACILITATOR PAM: Thank you for your
4 comment. Our next commenter is Will Hupman.

5 MR. HUPMAN: Good morning. My name is
6 Will Hupman. I'm speaking today on behalf of
7 the American Petroleum Institute.

8 API represents all sectors of the oil
9 and natural gas industry, from exploration to
10 refining, pipelines, shipping, distribution,
11 and retail marketing, as well as renewable
12 fuels. API will submit additional written
13 comments that identify our issues and
14 suggestions on EPA's proposed rule.

15 For today's hearing, we would like to
16 highlight a few key areas. First, we thank EPA
17 for issuing this proposal to help support the
18 Administration's efforts to unleash American
19 energy and that will roll-back heavy-handed and
20 one-size-fits-all vehicle mandates set by the
21 previous Administration. The proposed rule
22 will help deliver a stronger, more prosperous
23 energy future for all Americans.

24 Secondly, we believe it is critical to
25 revise the Biden Administration's costly and

1 unrealistic tailpipe rules. We understand the
2 importance of reducing emissions from the
3 transportation sector, but believe the Biden
4 Administration took the wrong approach. Its
5 approach favored a single technology over all
6 others and would have effectively mandated the
7 sale of electric vehicles. This proposed rule
8 takes a critical step towards restoring
9 consumer choice and protecting the freedom of
10 Americans to decide what to buy and drive to
11 fit their personal needs.

12 We note that the removal of GHG
13 Emission Standards, in isolation and without
14 modifications to the criteria pollutant
15 standards, will still leave in place stringent
16 requirements that highly favor electric
17 vehicles and act as a de facto EV mandate.
18 Accordingly, we look forward to the
19 Administration addressing this issue in the
20 near future.

21 We also look forward to working with
22 the Administration on policies that help reduce
23 transportation emissions through a technology
24 neutral approach, while providing affordable
25 transportation options for Americans.

1 We will address these and other items
2 more fully in our detailed written comments.
3 Thank you for the opportunity to testify today
4 on this important program.

5 FACILITATOR PAM: Thank you for your
6 comment. Our next commenter is Jeffrey Alson.

7 MR. ALSON: Hi, my name is Jeff Alson.
8 EPA, where I spent my career, has a proud
9 history of being the global leader in clean
10 vehicle technology that has saved millions of
11 lives. This pathetic proposal betrays that
12 history, and the blame lies not with this
13 hearing panel, but with Trump and Zeldin, the
14 world's greatest climate deniers.

15 Political appointees come and go, but
16 the career staff are the heart and soul of EPA,
17 and want to publicly express my deepest respect
18 and admiration for those who honor the agency
19 mission to protect the planet and public
20 health.

21 We collectively treat the atmosphere
22 as a pollution dumping ground. The science is
23 as settled as science can be that greenhouse
24 gases are making the planet hotter and more
25 dangerous. We now see the impact, stronger and

1 more frequent floods, hurricanes, droughts, and
2 wildfires. These initial warnings are just the
3 tip of the melting iceberg. As we continue to
4 pollute, the natural disasters will inevitably
5 worsen. Every year of delay means more climate
6 related deaths, injuries, illnesses, and
7 refugees.

8 We are collectively guilty of a
9 massive intergenerational crime. Since the
10 U.S. has emitted the most cumulative greenhouse
11 gases, we have a moral responsibility to
12 innovate and lead, but Trump has chosen to make
13 climate a culture war issue. He's called
14 climate science a hoax, echoing the deadly
15 antiscience ignorance of Stalin and Lysenko.

16 He asked the oil industry for a
17 billion-dollar quid pro quo. He is withdrawing
18 from the Paris Climate Treaty, putting us into
19 the climate denier hall of shame with Iran,
20 Yemen, and Libya. Trump is turning the U.S.
21 into an international climate pariah and a
22 global laughing stock. The rest of the world
23 pities us and wonders how we became so stupid
24 and weak.

25 For the EPA political appointees who

1 have prostituted their integrity for the Trump
2 climate culture war, I have nothing but
3 contempt. Future generations, including their
4 own descendants, will be ashamed of Trump,
5 Zeldin, and the rest, and will be haunted by
6 one simple question, how could they play
7 politics with our future?

8 Thank you.

9 FACILITATOR PAM: Thank you for your
10 comment. Our next commenter is Jessica
11 Cordaro.

12 DR. CORDARO: Hi, good morning. Thank
13 you. My name is Dr. Jessica Cordaro. I hold a
14 doctoral degree in educational sustainability
15 and I am the Chapter Chair of the Northeast
16 Pennsylvania Chapter of the Climate Reality
17 Project. And I want to take the next two
18 minutes to provide my comments based on my
19 knowledge as a researcher.

20 Specifically, I want to address the
21 dangerous notion of rescinding the Greenhouse
22 Gas Endangerment Finding, a move that's being
23 justified by a selective and incomplete
24 literature review. What is being presented is
25 not comprehensive systematic analysis, which is

1 required by most published literature reviews,
2 but a cherry-picked narrative designed to
3 support a predetermined conclusion.

4 Any systematic or scoping literature
5 review requires a method and criteria. A
6 commonly used protocol for this type of review
7 is the PRISMA method, which consists of
8 multiple phases, including a protocol for
9 identification, screening, eligibility, and
10 inclusion of studies for the review. This lack
11 of protocol and selection criteria for the
12 review should automatically make these findings
13 irrelevant. That is not a systematic review,
14 it is a shortcut, and one that cannot
15 responsibly guide national policy.

16 Additionally, the author stated in the
17 preface that they tried to focus as much as
18 possible on literature published since 2020.
19 Despite this attempt, of the 346 references
20 cited, fewer than half, 49 percent, were from
21 the years 2020 to 2025. This should raise
22 another red flag regarding the legitimacy of
23 this report.

24 We are the second largest CO2 emitter
25 on the planet, but since signing the Paris

1 Agreement in 2015 the U.S. has reduced its
2 annual emissions by 465 million tons,
3 contributing to a 1.2-billion-ton reduction
4 from all high-income countries. We're making
5 progress, but we must do more, not less.

6 Section 12.2 of your report states
7 U.S. car and truck emissions account for 3
8 percent of global CO2, that is still massive.
9 3 percent from just one sector in just one
10 country, if every nation matched that reduction
11 we would see monumental change. In fact,
12 during COVID in 2020 when transportation halted
13 globally, emissions dropped by 2 billion tons
14 in a single year. And that proves that
15 transportation emissions matter and that our
16 actions do make a difference.

17 If we truly want to be the most, lead
18 as the most powerful nation on Earth, our
19 policies must be rooted in complete, honest,
20 and systematic science, not biased summaries.
21 This future demands leadership, not regression.
22 Thank you.

23 FACILITATOR PAM: Thank you for your
24 comment. Our next commenter is Jason Touw.

25 MR. TOUW: Good morning. I'm Jason

1 Touw. I am a poultry and crop farmer. I teach
2 at Warrick Valley High School in New York
3 State, and I'm president of the Orange County
4 New York Farm Bureau and a registered
5 Republican. I come to you today as a private
6 citizen and I urge EPA to reject the
7 Reconsideration of the Endangerment Finding.

8 I want to say that while the public
9 comment period is necessary under law,
10 personally I believe that the decision at EPA
11 has already been made. I hope I am wrong.

12 EPA has chosen not to make a video
13 recording of this public hearing available
14 after it is closed, and instead will have a
15 written transcript available to anyone that
16 wants to read it.

17 As a farmer, I am firsthand struggling
18 with the changes we are seeing in our weather
19 patterns. More common are the days of air
20 quality alerts for ozone and particulates.
21 When I had my Cornell crop specialist at the
22 farm last year inspecting my pumpkin crop,
23 ozone damage was the cause to blame.

24 Ozone forms as a result of nitrous
25 oxide emissions in combination with sunlight

1 and high temperatures. The more high
2 temperature days we have, the more we can
3 expect ozone damage in our crops.

4 Gone are the summers in New York that
5 are clear and free of air pollutants. Smoke
6 from Canadian wildfires periodically blankets
7 New York State. As a result, I am unable to
8 get our hay to properly cure when we plan for
9 sunny days. This is costing us thousands of
10 dollars in lost revenue.

11 Climate change, not poor logging
12 practices, are fueling wildfires in Canada.
13 The bottom line is when it gets hotter and
14 drier our forests burn. Removing litter and
15 dead snags from forests as fire management
16 tactics would not be as necessary if the
17 forests were not experiencing record heat and
18 record drought. What this highlights is the
19 Reconsideration of the 2009 Endangerment
20 Finding and greenhouse gas emissions is
21 completely flawed. Air pollutants and
22 greenhouse gases do not follow international or
23 state boundaries.

24 This is going to be a costly solution
25 to us if EPA does not move away from its

1 mission of powering the great American
2 comeback. The leaders in energy future will be
3 those that develop the cleanest and cheapest
4 energy sectors by far. China is going to beat
5 us at this. And I encourage Mr. Zeldin and
6 President Trump to reconsider their definition
7 of powering the great American comeback. Thank
8 you.

9 FACILITATOR PAM: Thank you for your
10 comment. Our next commenter is Leigh DeSantis.
11 Maybe having some technical challenges there,
12 so we'll come back.

13 The next commenter is Arathiarathi
14 Gowda. We'll come back to that, as well.

15 At this point, I would like to propose
16 that we take a 10-minute break and when we
17 resume we will come back and come back to the
18 commenters that we have in queue.

19 MR. CHARMLEY: Pam, that sounds good,
20 Thank you so much. We'll take a 10-minute
21 break.

22 FACILITATOR PAM: Thank you so much,
23 Bill.

24 (Whereupon a break was taken.)

25 FACILITATOR PAM: Thank you all so

1 much. We're ready to resume. We're going to
2 have our next speaker as Arathiarathi Gowda.

3 MS. GOWDA: Thank you. This is
4 Arathiarathi Gowda. My name is Arathiarathi
5 Gowda, Principal with the East Coast Project
6 Performance Team at CGF Architects and
7 testifying on behalf of the American Institute
8 of Architects, or AIA, representing over
9 100,000 licensed architects and allied
10 professionals. We are in strong opposition to
11 EPA's notice of proposed rulemaking to rescind
12 the 2009 Endangerment Finding.

13 This proposal is a direct threat to
14 public safety and economic prosperity. While
15 it focuses on vehicles, its impact will be
16 acutely felt in the built environment, the very
17 places where we live, work, and commute. The
18 AIA asserts this rulemaking is regressive, with
19 significant negative consequences for our
20 communities and our economy. The built
21 environment is responsible for roughly 40
22 percent of global carbon emissions, and a large
23 portion of this comes from the energy consumed
24 within our buildings and the transportation
25 systems that connect them.

1 significant economic benefits.

2 The established legal and scientific
3 consensus provides a stable foundation for
4 long-term investment. The EPA's claims that
5 the 2009 findings were based on uncertainties
6 in science is factually incorrect. The
7 consensus is clear that climate change is
8 causing widespread adverse impacts.

9 All of these are essential for our
10 industry's future and stability. Thank you for
11 this opportunity to testify.

12 FACILITATOR PAM: Thank you for your
13 comment. Our next commenter is Patricia
14 Doersch.

15 MS. DOERSCH: Thank you. I'm Patricia
16 Doersch, and I speak today on behalf of the
17 National Automobile Dealers Association and the
18 American Truck Dealers.

19 NADA and ATD represent over 16,000
20 franchise dealers who sell finance and service
21 new and used vehicles. We thank President
22 Trump and Administrator Zeldin for proposing
23 essential relief from current federal
24 greenhouse gas rules, which force fuel choices
25 on our customers with costly and unreasonable

1 EV mandates. The rules assume dramatic
2 reductions in carbon dioxide emissions,
3 effectively requiring the mass production of
4 EVs.

5 The prior Administration's push for
6 vehicle electrification failed to consider the
7 drags on consumer demand caused by an
8 insufficient charging infrastructure and the
9 higher vehicle prices their own strict
10 standards dictate.

11 Franchise dealers have long been
12 supportive of improvements in vehicle emissions
13 that are affordable and feasible. We are
14 investing substantial sums in EV training and
15 facilities, as well as the service network that
16 is essential to broader adoption of EVs, but
17 unrealistic technology forcing mandates cannot
18 dictate customer demand.

19 EPA rules are built on overly
20 aggressive assumptions about future EV market
21 penetration and they drive up costs for vehicle
22 manufacturers. And the resulting high purchase
23 price of EVs, particularly with the loss of the
24 automobile tax credits, means most American
25 consumers and motor carriers simply cannot

1 afford EVs.

2 For heavy duty vehicles, the
3 standards' unrealistic timelines and cost
4 assumptions for deploying zero emission
5 technologies will delay customer adoption and
6 contribute to declining vehicle sales.

7 The current onerous mandates only
8 serve to discourage the purchase of cleaner,
9 greener, and safer new vehicles. We would like
10 to see a sensible demand-driven framework that
11 accommodates all drivetrain technologies and
12 fuels and addresses the challenges posed by
13 inadequate infrastructure. Only through such
14 practical reforms can these rules accelerate
15 fleet turnover to achieve real emissions
16 improvements. Thank you.

17 FACILITATOR PAM: Thank you for your
18 comment. I want to note we've had some
19 commenters that have not been available and,
20 therefore, we've been moving around in order
21 within each panel. Our next speaker will be
22 Leigh DeSantis.

23 MS. DESANTIS: Hello. Thank you for
24 the opportunity to speak today. My name is
25 Leigh DeSantis and I live in Pennsylvania. I

1 am here as a mother of two little boys, a
2 founder of a small business, and I speak in
3 strong opposition to the proposed
4 Reconsideration of the 2009 Endangerment
5 Finding and the rollback of Greenhouse Gas
6 Vehicle Standards.

7 This proposal denies the basic reality
8 that Americans are experiencing every day. The
9 global climate change that's driven by
10 greenhouse gas emissions is making life harder,
11 less enjoyable, and more expensive. I am
12 deeply concerned about the health impacts my
13 children face from our warming climate and of
14 summers that are getting hotter and hotter.

15 Every day I check the air quality
16 index before my boys go out to play. Summer is
17 supposed to be a carefree time when we
18 encourage our kids to explore and be outside.
19 As many other folks that have testified today
20 have said, that instead of time outside
21 carefree, we are spending time dealing with
22 heat waves and dangerous air conditions.

23 The primary source of air pollution,
24 fossil fuels and wildfires are creating
25 increasingly dangerous conditions for our

1 children's lungs and for those that have any
2 respiratory issues, including the elderly. The
3 science is clear, global warming is making
4 wildfire seasons longer, more severe, and
5 hotter temperatures exacerbate already bad air
6 quality. Higher pollution levels mean more
7 asthma attacks, more heat-related illnesses,
8 more health heat-related deaths, which are all
9 well documented and which cost our communities
10 lots of money.

11 My family's energy costs are already
12 skyrocketing every summer as we're forced to
13 run air conditioning longer to survive the heat
14 and the demand for air conditioning is driving
15 more strain on our energy grid and higher
16 utility costs. At the same time, this
17 Administration is blocking cheaper, abundant,
18 clean technology from coming onto the grid.
19 This is a no-win situation for everyone.

20 I also live in an area that is prone
21 to flooding. The heaviest storms in
22 Pennsylvania now drop 60 percent more rain than
23 they did six decades ago, because it is simple
24 that warmer atmosphere holds more moisture. We
25 have experienced flooding, hurricane impacts

1 that have caused significant, catastrophic
2 flooding, homes and vehicles being swept away,
3 clean up efforts that last for weeks, and again
4 cost lots of money. Meanwhile, families all
5 across the country are losing their homes to
6 increasingly severe storms, flood --

7 FACILITATOR PAM: That is time. Thank
8 you for your comment. Our next commenter is
9 Robert McLean.

10 DR. MCLEAN: Thank you. Good morning.
11 I'm Dr. Robert McLean, an internal medicine
12 physician actively practicing in New Haven,
13 Connecticut, for 31 years. I represent the
14 American College of Physicians with over
15 160,000 members in the specialty of internal
16 medicine and its many subspecialties, an
17 organization for which I served as president
18 five years ago.

19 Of the many complicated issues our
20 healthcare and professional societies are
21 dealing with at that time, it became clear that
22 the health effects of climate change were
23 becoming increasingly urgent. That is why I'm
24 attending today to speak in opposition to the
25 EPA proposal to repeal the Endangerment Finding

1 and greenhouse gas standards for vehicles.
2 This proposed repeal flies in the face of
3 overwhelming scientific consensus on greenhouse
4 gas emissions and climate change. What is
5 going on here?

6 My professional society, the American
7 College of Physicians, back in 2016 released
8 Climate Change and Health, a position paper
9 from the ACP, in which is stated, quote, the
10 reality of climate change and our warming
11 planet is unequivocal. The ACP, on the basis
12 of its review of the evidence as described in
13 that paper strongly concurs with the finding of
14 the Intergovernmental Panel on Climate Change,
15 which has stated that, quote, human influence
16 on climate system is clear, the burning of
17 fossil fuels and power plant emissions all
18 release carbon dioxide and other greenhouse
19 gases into the atmosphere, trapping heat, which
20 then elevates global temperatures and causes
21 changes to the climate system.

22 And from a subsequent evidence-based
23 policy paper in 2022 titled Environmental
24 Health, the ACP states explicitly, quote, that
25 EPA should set robust air quality standards for

1 ozone, particulate matter, nitrogen dioxide,
2 carbon monoxide, and other pollutants to
3 protect public health and welfare. ACP is on
4 the record supporting stringent greenhouse gas
5 emission regulations on heavy duty and
6 passenger vehicles.

7 As a physician in practice in
8 Connecticut, I see patients every day
9 struggling with these chronic health conditions
10 impacted by heat and poor air quality. All of
11 these health impacts are not just hypothetical,
12 they are happening before our eyes. It is
13 impossible to think that the EPA could turn its
14 back on the evidence underlying the
15 Endangerment Finding, as well as greenhouse gas
16 emissions from vehicles. I urge the EPA to not
17 proceed with this. Thank you.

18 FACILITATOR PAM: Thank you for your
19 comment. Our next commenter is Representative
20 Mary Mushinsky.

21 REPRESENTATIVE MUSHINSKY: Can you
22 hear me okay.

23 FACILITATOR PAM: Yes, we can. Thank
24 you.

25 REPRESENTATIVE MUSHINSKY: Okay. My

1 name is Mary Mushinsky, State Representative
2 for the 85th District and Assistant Deputy
3 Speaker Pro Tem for the Connecticut General
4 Assembly.

5 If EPA succeeds at rate, considering
6 endangerment, it represents a major blow to the
7 effort to act on runaway climate change, just
8 as rates of extreme weather are accelerating.
9 Along with rescinding the Endangerment Finding,
10 EPA is proposing to eliminate greenhouse gas
11 emissions standards for motor vehicles. The
12 transportation sector is the biggest single
13 source of planet warming emissions in the U.S..
14 I have three reasons to seek your rejection of
15 reconsideration that would endanger human
16 health and welfare and rolling back the
17 greenhouse gas vehicle standards.

18 First, Connecticut is a downwind
19 state, and per our Governor Ned Lamont, these
20 rollbacks are especially damaging for downwind
21 states like Connecticut, which rely on federal
22 protections to prevent other state's pollution
23 from impacting air quality. While we have made
24 great strides, only the federal government can
25 address the significant amount of air pollution

1 that originates from outside our borders.

2 Second, one year ago today our state
3 of Connecticut suffered an unheard-of disaster
4 as the towns of Oxford and Monroe experienced
5 three drownings and \$300 million of damage from
6 a storm that was projected to drop two to three
7 inches of rain, but dropped up to 15 inches in
8 a few hours. The Small Business Administration
9 found that 77 businesses sustained major
10 damage, 19 homes were destroyed, while 170
11 other houses sustained major damage. Storms
12 like this one are becoming more common across
13 the U.S., as the previous speaker noted.

14 Third, high asthma rates. In 2022
15 Connecticut ranked fourth with the highest
16 percentage of adults with asthma in the U.S.
17 and had a greater number of children with
18 asthma, 8.2 percent, than the national average
19 of 6.2 percent. In 2023 Connecticut incurred
20 \$119 million in acute care charges due to
21 asthma as the primary diagnosis. Of the \$119
22 million, \$70 million was charged to Medicaid
23 and \$20 million to Medicare.

24 Every successive round of vehicle
25 pollution standards since 1986 has been more

1 stringent than the previous rules. Technology
2 has continually improved to benefit both
3 consumers and -- and I've lost the end of my
4 page.

5 But to sum up, there are serious
6 effects on our health, on our economy, and we
7 need these standards to stay in place. We
8 beseech you to leave them in place. Thank you
9 from Connecticut.

10 FACILITATOR PAM: Thank you for your
11 comment. Our next commenter is Assistant
12 Attorney General Rachel Maman Kish.

13 ASSISTANT ATTORNEY GENERAL MAMAN KISH:
14 Pam, can you hear me?

15 FACILITATOR PAM: Yes, we can. Thank
16 you.

17 ASSISTANT ATTORNEY GENERAL MAMAN KISH:
18 Great. Thanks. My name is Rachel Maman Kish,
19 and I am a New York State Assistant Attorney
20 General.

21 Climate change is threatening
22 communities across New York, bringing
23 increasingly violent storms, catastrophic
24 flooding, deadly heat, and serious health
25 harms. Over the past 20 years, compared to the

1 previous 20, the cost of billion-dollar climate
2 disasters in New York State has more than
3 doubled, and there have been over 90 percent
4 more fatalities due to extreme heat, severe
5 floods and storms and hurricanes. New York
6 City alone now averages over 500 heat-related
7 deaths each year, largely the result of
8 greenhouse gas emissions and their effect on
9 our climate.

10 The Endangerment Finding determined
11 that greenhouse gas emissions endanger both the
12 public health and the public welfare of current
13 and future generations. Congress authorized
14 EPA to make this determination, and the Supreme
15 Court has repeatedly reinforced that authority.
16 Yet, EPA Administrator Zeldin has disparaged
17 the well-established scientific consensus,
18 including assessments from his own agency.
19 Instead, he relies on a rush draft report
20 created in secret by handpicked climate
21 skeptics that does not meet scientific
22 standards for reliability and is contrary to
23 the findings of 97 percent of climate
24 scientists, many of whom have spoken out
25 against the report's misrepresentation of their

1 work that shows climate change is threatening
2 public health and welfare. That is why New
3 York has consistently led the fight against
4 climate change, but despite state efforts,
5 national limits on greenhouse gas emissions are
6 necessary to confront climate change.

7 EPA's proposal within contravention of
8 scientific fact and the protective intent of
9 the Clean Air Act allow for greater greenhouse
10 gas emissions, abandoning New Yorkers and all
11 Americans suffering from an increasingly
12 unstable climate because the President wants to
13 increase our reliance on fossil fuels.

14 EPA also proposes dismantling the only
15 remaining limitation on greenhouse gas
16 standards for motor vehicles. But in New York,
17 the transportation sector is the second largest
18 source and the only sector from which emissions
19 are increasing. The proposal pretends that
20 climate change is not costing a cent, but New
21 Yorkers are experiencing the costs of an
22 unstable climate every day. EPA must consider
23 these costs using the peer-reviewed methods
24 it's developed over years.

25 EPA should abandon this misguided

1 effort to remove vital protections for ordinary
2 Americans. It should take seriously Congress's
3 charge to control dangerous pollution and it
4 should consider and disclose the extreme costs
5 of failing to address climate change. If EPA
6 does not, my office will be ready to challenge
7 this blatantly unlawful attempt to undermine
8 the Clean Air Act and harm New Yorkers and all
9 Americans.

10 FACILITATOR PAM: Thank you for your
11 comment. Our next commenter is Assistant
12 Attorney General William Dornbos.

13 ASSISTANT ATTORNEY GENERAL DORNBOBOS:
14 Good morning. I'm William Dornbos, Assistant
15 Attorney General with the Connecticut Office of
16 the Attorney General.

17 We oppose EPA's flawed proposal to
18 rescind its 2009 Endangerment Finding for
19 several reasons.

20 First, the proposal denies scientific
21 reality. EPA now claims that the scientific
22 basis of its original finding has been proven
23 unreliable and that the current body of climate
24 science is insufficient to support a finding of
25 endangerment. This is a distortion of the

1 state of the science, both then and now. The
2 scientific record in 2009 provided overwhelming
3 support for the EPA's finding. 16 years later,
4 the science is even more clear.

5 Climate pollution poses severe and
6 growing threat to public health and welfare.
7 We know this is true in Connecticut because we
8 are living through it. Climate change is
9 harming our state. We have recently suffered
10 catastrophic inland flooding, more wildfires,
11 and more severe storms and heat waves. We have
12 also observed our state getting warmer over
13 time and our local seas rising. People have
14 died from these harms. The economic costs also
15 continue to mount, and the science tells us
16 that these harms will only worsen in our state
17 if climate pollution is not cut.

18 This scientific reality is absent from
19 EPA's proposal. Instead, it relies on a single
20 draft report prepared in secret by a handful of
21 climate skeptics chosen by DOE. That flawed
22 report cannot serve as a factual basis for any
23 agency action, let alone for rescinding an
24 Endangerment Finding based on peer-reviewed
25 science.

1 Second, the proposal is unlawful. EPA
2 has clear authority under the Clean Air Act to
3 regulate climate pollution. The U.S. Supreme
4 Court held this in Massachusetts v EPA, which
5 remains the law of the land. Congress
6 explicitly confirmed that decision and EPA's
7 Endangerment Finding when it enacted the
8 Inflation Reduction Act, which amended the
9 Clean Air Act to define greenhouse gases as air
10 pollutants under the Act. EPA's proposal thus
11 runs contrary to the clear command of binding
12 law.

13 Third, and finally, the proposal does
14 not consider the benefits of climate
15 protection, this is a major and telling
16 oversight. We know that proven climate
17 solutions like electric vehicles help make our
18 communities cleaner and healthier. EPA's
19 proposal instead leans on the fiction that
20 taking no regulatory action on climate change,
21 which means allowing it to worsen will result
22 in supposed net benefits. We are confident
23 this absurd assertion will not survive judicial
24 scrutiny.

25 In conclusion, EPA's flawed proposal

1 should be withdrawn because it fails on the law
2 and the science. Thank you.

3 FACILITATOR PAM: Thank you for your
4 comment. Our next commenter is Kim Anderson.

5 MS. ANDERSON: Hi. Can you hear me?

6 FACILITATOR PAM: Yes, we can.

7 MS. ANDERSON: Okay. Thank you for
8 the opportunity to comment today. I work for
9 the Evangelical and Environmental Network, but
10 more importantly, I'm a person of faith, a
11 resident of Pennsylvania, and a concerned
12 mother.

13 In Mark, Chapter 10, when children
14 were brought to Jesus he said, let the children
15 come to me, do not hinder them, for to such
16 belongs the kingdom of God.

17 As Christians, we care deeply about
18 the health of the most vulnerable, especially
19 children with developing hearts, minds, and
20 lungs. The U.S. power sector alone emits more
21 than most countries total greenhouse gas
22 emissions. In 2022 it accounted for 25 percent
23 of emissions, second only to the transportation
24 sector, the largest source of carbon pollution
25 in the U.S..

1 The last 10 years have been the 10
2 hottest years on record worldwide. With rising
3 temperatures come increased smog and associated
4 asthma attacks and increased cases of vector
5 borne diseases, like Lyme disease. This came
6 closer to home just the other day while sitting
7 on my back porch with my family when my
8 daughter noticed a tick in her leg. For the
9 next few days, I will watch for symptoms,
10 praying that she is not one of the growing
11 number of Pennsylvanians, including my friends
12 and family, with Lyme disease and other vector
13 borne diseases.

14 Motor vehicles are the leading source
15 of cancer-causing air pollution, which can be
16 especially dangerous for children, elderly
17 people, and those living with lung disease.
18 Until a few years ago, my family lived one
19 block away from a state route where about
20 20,000 vehicles pass each day. When we lived
21 there, we would consistently have a black film
22 on our cars that was almost impossible to get
23 off. And I would wonder, what impact was it
24 having on the vital organs of my children.

25 As a citizen of western Pennsylvania,

1 which has benefited from fossil fuels, and a
2 coal miner's granddaughter, I understand the
3 economic benefits that fossil fuels can have.
4 But this is come to cost born on the hearts,
5 minds, and lungs of the families who call
6 Pennsylvania and other states home. We must
7 make energy and transportation in ways that do
8 not have severe health impacts on people who
9 live here.

10 I urge you to consider all of the
11 medical research that is available when
12 reconsidering the Endangerment Finding. I
13 believe that if you do, you will find good
14 reason to continue to defend the health of
15 those living near oil and gas facilities and
16 transportation centers.

17 Thank you for your work in this
18 important matter.

19 FACILITATOR PAM: Thank you for your
20 comment. Our next commenter, I'm going to move
21 around just a little bit here, our next
22 commenter will be, our next commenter will be
23 LaTressa Gordon.

24 DR. GORDON: Hello, everyone. My name
25 is Dr. LaTressa Gordon, and I am from Flint,

1 Michigan. I want to thank you for this
2 opportunity to testify before you for this
3 hearing.

4 I currently oppose EPA's position to
5 rollback the Endangerment Finding. The science
6 is clear, the science is clear that climate
7 change endangers public health and welfare for
8 the current future generations.

9 Here in Michigan, we see plenty of
10 day-to-day extreme weather events, from
11 becoming more frequent, flooding, damaged
12 homes, neighborhood, poor air quality that
13 triggers asthma attacks in children, seniors,
14 other lung conditions through the American Lung
15 Association, with different statistics that we
16 can look up daily. They're not -- these are
17 not future threats, these are current threats.
18 So rolling back the Endangerment Finding puts
19 communities like mines at greater risk.

20 For me, this is personal. I'm in
21 Flint, you know, we have a water crisis, also
22 other environmental issues, recovering from the
23 water crisis again. My children develop asthma
24 after years of unsafe environmental exposures.
25 I also have asthma. My grandson struggles with

1 you.

2 CONGRESSMAN TONKO: Okay, thank you.

3 I think my video is on. Good morning. I'm
4 Congressman Paul Tonko, and I have the
5 privilege of representing New York's 20th
6 Congressional District and serving as the
7 ranking member of the House Energy and Commerce
8 Subcommittee on Environment, which has
9 jurisdiction over the Clean Air Act and many
10 other important EPA functions. Thank you for
11 allowing me to join today's public hearing.

12 I will keep my remarks relatively
13 brief because I intend to submit more fulsome
14 comments to the docket in the weeks ahead, but
15 I felt it was important to join the tremendous
16 chorus of voices that EPA will hear from over
17 the next few days opposing this reckless action
18 to reconsider the 2009 Endangerment Finding.

19 I'm certain this will include
20 testimony from some of our nation's preeminent
21 environmental scientists and environmental
22 lawyers, as well as plenty of everyday
23 Americans who do not need a PhD to know that
24 our climate is changing and is already having
25 negative consequences on many facets of our

1 lives.

2 This was a scientific finding EPA made
3 in 2009, when it rightfully recognized that
4 climate change, driven by the emission of
5 greenhouse gases, threaten American's health
6 and welfare. Since then, voluminous
7 peer-reviewed research has been conducted that
8 is only further justified and reinforced the
9 original 2009 finding.

10 Speaking from New York's Capital
11 Region, I can say confidently that we are
12 already experiencing more days of extreme heat,
13 more inland flooding from greater
14 precipitation, sea level rise in the tidal
15 sections of the Hudson River, and greater risk
16 for tick borne diseases, like Lyme disease, all
17 resulting in higher costs, worse health
18 outcomes, and increased stress on critical
19 infrastructure.

20 Other individuals, including those
21 scientific experts will testify similarly with
22 stories that demonstrate the real life
23 consequence of climate change. It should not
24 surprise you that many of the effects that we
25 are already experiencing are fully aligned with

1 the global scientific consensus of the
2 multitude of risks posed by unmitigated climate
3 change, and we do know these effects are
4 expected to get much worse in the decades
5 ahead, unless greenhouse gas emissions are
6 significantly and rapidly reduced.

7 One area that I believe I can offer a
8 unique perspective, it is to help elucidate
9 congressional intent regarding the authorities
10 of the Clean Air Act. During the 117th session
11 of Congress, I served as the chair of the then
12 named House Energy and Commerce Subcommittee on
13 Environment and Climate Change. I am indeed
14 very proud of the subcommittee's contributions
15 to the most significant amendment of the Clean
16 Air Act in over three decades, which was
17 enacted in what would ultimately be called the
18 Inflation Reduction Act. The IRA provided EPA
19 new authorities to reduce greenhouse gas
20 emissions, but it also rightfully recognized
21 and directed EPA to use its longstanding
22 existing Clean Air Act authorities to reduce
23 these pollutants, using tools such as Section
24 111 and Section 202 of the law.

25 The Clean Air Act amendments enacted

1 through the IRA were indeed clear and
2 deliberate, reinforcing EPA's authority, as
3 well as the Agency's responsibility, to
4 regulate greenhouse gas emissions as air
5 pollutants. To the extent that the Supreme
6 Court has suggested otherwise under the so
7 called major questions doctrine, the IRA was,
8 and continues to be abundantly clear.

9 I understand that the current
10 Administration and I have fundamental
11 disagreements about the best ways by which to
12 regulate greenhouse gas emissions, but there
13 can be no ambiguity that as recently as August
14 2022 Congress reaffirmed the general principle
15 of the 2009 Endangerment Finding and entrusting
16 EPA to reduce this pollution. The science and
17 the law are clear and incontrovertible that
18 greenhouse gas emissions threaten the public
19 health and welfare of Americans, and EPA has an
20 obligation to reduce these emissions. Failing
21 to do so puts us on a path to becoming a
22 sicker, a weaker and, indeed, a poorer nation.

23 And I am extremely concerned that this
24 reconsideration is not a one-off action, but
25 rather part of a larger, dangerous ideological

1 crusade by the Trump Administration to erase
2 climate science and deny climate changes
3 consequences on American's lives and on their
4 livelihoods.

5 Our understanding of the effects of
6 climate change has only improved since the
7 initial 2009 Endangerment Finding and yet, EPA
8 has, for the scientific basis of this
9 reconsideration, chosen to rely upon non
10 peer-review analyses from hand picked
11 individuals who do not represent the scientific
12 consensus. This follows the Administration's
13 shutting down of the next iteration of the
14 National Climate Assessment, which seeks to
15 improve our understanding of how the climate is
16 changing and what its effects will be.

17 This antiscience strategy is a clear
18 attempt to erase and deny science in order to
19 try to avoid any responsibility for protecting
20 Americans from well-known environmental
21 threats, including climate change.

22 FACILITATOR PAM: That is time.

23 MR. CHARMLEY: We have to allow time
24 for everyone today, could you wrap up in 15
25 seconds, please?

1 CONGRESSMAN TONKO: Sure. Thank you
2 again then for the opportunity to provide this
3 testimony. I urge EPA to abandon this
4 reconsideration and return to the Agency's
5 mission of protecting public health and
6 environment on behalf of the American people.
7 With that, I thank you.

8 FACILITATOR PAM: Thank you for your
9 comment. The next commenter is State Senator
10 Stephanie Stahl Hamilton.

11 STATE SENATOR HAMILTON: Good morning.
12 Thank you for this opportunity to share a few
13 remarks. My name is Stephanie Stahl Hamilton,
14 and I represent Arizona's 21st District in the
15 Arizona House of Representatives, which covers
16 much of southern Arizona.

17 My district includes several ports of
18 entry from Mexico, through which more than half
19 of the nation's produce is transported on
20 vehicles that would become unregulated under
21 this dangerous plan. My constituents in these
22 border communities are already hurting from the
23 combined economic impacts of Trump's tariffs
24 and continued inflation. This proposal only
25 guarantees that Arizonans and Americans

1 everywhere who enjoy the produce that passes
2 through Nogales pay higher prices, not only at
3 the gas pump, but at the grocery store, as
4 transporters pass on higher fuel costs to
5 consumers.

6 If that isn't bad enough, this
7 proposal also threatens the health and well
8 being of communities in my district who suffer
9 the most from poor air quality and extreme
10 heat, while heat-related deaths have roughly
11 doubled nationwide in 20 years, they have
12 increased nearly 10-fold in Arizona. We simply
13 have no room to spare in our state with
14 increasing temperatures in Arizona. Broken
15 heat records costs lives.

16 Adopting a policy that denies the
17 impacts of climate change and its effects on
18 public health and the environment locks in this
19 trajectory for decades to come. I urge you to
20 uphold strong vehicle emission standards and
21 the Endangerment Finding on which they're
22 based. The well-being of youth and future
23 generations in my community depends on it.

24 Thank you very much.

25 FACILITATOR PAM: Thank you for your

1 comment. The next commenter is Katie Brown.

2 MS. BROWN: Thank you. My name is
3 Katie Brown. I work as the program manager for
4 the National Religious Partnership for the
5 Environment, a multi-faith alliance working to
6 bring justice on behalf of God's creation. We
7 adamantly reject the proposal to repeal the
8 Endangerment Finding and roll back the
9 greenhouse gas vehicles standards.

10 I'm currently in South Carolina,
11 visiting the island I grew up on. It's a place
12 that I love dearly. And as Saint Augustine
13 says, you cannot love something that you do not
14 know. I know the marshes, the rhythms of the
15 cicadas, and the southern live oaks, the
16 patterns of the tides. And just like millions
17 of Americans across the country and our
18 siblings around the globe, I am seeing it
19 change before my eyes.

20 Just this past week the creek behind
21 our house flooded to a level that I've never
22 seen and our neighbors were telling me that
23 their ocean kayaking business is doing poorly
24 this summer because of the extreme heat.
25 People that know and love their communities are

1 painfully aware of the way that our climate is
2 changing. EPA trying to uplift fringe science
3 and deny basic reality is not going to change
4 that, it is just going to limit progress, make
5 communities sicker, and devastate God's
6 creation for present and future generations.

7 Pope John Paul II said that there can
8 be no rule of law unless citizens, and
9 especially leaders, are convinced that there is
10 no freedom without truth. How can a person be
11 free when they can't breathe the air outside of
12 their home without getting asthma, cancer, or
13 lung disease? How can a person be free when
14 the only homes they can afford are on flood
15 plains or at risk of being burnt down by forest
16 fires?

17 By trying to repeal the Endangerment
18 Finding and cut life-saving greenhouse gas
19 pollution standards for cars and trucks, the
20 Trump Administration is denying the truth of
21 our present reality. God's children and God's
22 creation, both in the U.S. and across the
23 globe, are crying out as they experience the
24 devastating impacts of greenhouse gas
25 pollution. The ethical, moral, and according

1 to the International Court of Justice's recent
2 ruling legal, response to these cries is to do
3 everything within reason to mitigate greenhouse
4 gas emissions. Instead, the Trump
5 Administration is saying that it does not only
6 care about the suffering of God's children and
7 God's creation, but that it doesn't believe
8 them.

9 People deserve better than this.
10 America deserves better than this. Please hear
11 the cries of the people and the planet and
12 respond. It is not too late to do what is
13 right and just. Thank you.

14 FACILITATOR PAM: Thank you for your
15 comment. Our next commenter is Gabrielle
16 Walton.

17 MS. WALTON: Hello, and thank you for
18 the opportunity to testify today. My name is
19 Gabrielle Walton and I work with the Chesapeake
20 Climate Action Network and I'm here today to
21 express my strong opposition to the EPA's
22 proposed rollback of the Endangerment Finding.

23 I've never lived in a world where the
24 threat of climate change didn't loom. As
25 someone who was younger than 10 years old when

1 the EPA issued the Endangerment Finding, I
2 remember learning about climate change as early
3 as first grade and feeling called throughout
4 the years to integrate environmental and
5 climate stewardship into my day-to-day life.
6 For this reason, I was extraordinarily alarmed
7 when I personally experienced a historic flood
8 that inundated Vermont in 2023. All I could
9 think about was the abnormality of what I was
10 experiencing after friends and family told me
11 to pack sweaters for relatively cold summer
12 nights, from the sweltering heat and the
13 humidity to the intensely rainy days, and so
14 were the people who surrounded me, friends and
15 strangers alike. This shocking experience led
16 me to my current role, advocating for solutions
17 to the climate crisis. And my work is informed
18 by my experience in Vermont, but also my
19 personal connections to those who suffered
20 during Hurricane Helene and the LA wildfires.

21 After witnessing the immense
22 devastation communities experienced, I realized
23 that homelessness and displacement would be one
24 of the biggest ways people experience the
25 climate crisis, resulting in a renewed

1 dedication to my advocacy. Yet, with the
2 continuous cuts to the federal government and
3 agencies like FEMA withholding or canceling
4 funds to states and local communities, I am
5 deeply concerned, as it appears the nation's
6 most vulnerable are being abandoned. This
7 coincides with the EPA's proposed rollback of
8 the Endangerment Finding, which is which is
9 further distressing.

10 As the EPA is well aware through its
11 past research, greenhouse gas emissions don't
12 just create heat as an abstract concept. Real
13 people, our family, our friends, our neighbors
14 and our community members will suffer immensely
15 from the climate crisis. As experts on this
16 call have already stated, and will likely to
17 continue to mention, the suffering will
18 manifest through continued displacement,
19 increased exposure to vector-borne diseases,
20 and reduce access to natural resources like
21 water.

22 We have the science to know why the
23 climate is changing and the technology to
24 pursue meaningful solutions. Yet history, for
25 as long as it will continue to be written, will

1 note that leaders opted to wash their hands of
2 the responsibility for this issue, leaving
3 communities to fend for themselves as the
4 impacts of the climate change accelerate. And
5 as a young adult, I'll spend the rest of my
6 life facing this issue.

7 With this, I strongly urge the EPA to
8 retract this proposal and maintain the
9 Endangerment Finding. Thank you.

10 FACILITATOR PAM: Thank you for your
11 comment. Our next commenter is Nancy Bowen.

12 MS. BOWEN: Good morning everyone. My
13 name is Nancy Metayer Bowen, and I serve as
14 Vice Mayor of Coral Springs. Thank you for the
15 opportunity to provide my testimony today.

16 Many of us here today are raising
17 concerns of the proposed shift in federal
18 policy that denies the threat of climate change
19 and weakened standards that limit pollution
20 from cars, trucks and power plants. As both a
21 local elected official and an environmental
22 scientist, I see firsthand how these issues
23 affect families in my community.

24 The past year was the hottest on
25 record. Across the country we've witnessed

1 flash floods in Texas, wildfires in California,
2 hurricanes in the Carolinas, and severe weather
3 events that continue to impact Florida
4 residents. These events are not abstract.
5 They impact real people, including seniors,
6 children, and working families, who often have
7 the fewest resources to recover.

8 I know from my work that cleaner car
9 standards, stronger protections for power
10 plants, and limits on pollutions save lives.
11 They reduce asthma attacks, prevent premature
12 deaths, and protect drinking water. They also
13 lower long-term costs by making our communities
14 more resilient to disasters. Rolling back
15 these protections would increase risk to public
16 health, raise costs for families, and leave
17 future generations with fewer safeguards.

18 The mission of the Environmental
19 Protection Agency is to protect public health
20 and the environment. I urge you to uphold that
21 mission by maintaining and strengthening
22 protections against harmful pollution. This is
23 not about politics, it's about protecting the
24 health, safety, and well-being of the people we
25 serve.

1 As Vice Mayor, my responsibility is to
2 the residents who trust me to advocate for
3 their health, their safety, and their future.
4 I ask you to do the same at the federal level,
5 communities like mine are counting on it.
6 Thank you for your time and consideration.

7 FACILITATOR PAM: Thank you for your
8 comment. Our next commenter is Ann Mesnikoff.

9 MS. MESNIKOFF: Hi. My name is Ann
10 Mesnikoff, I'm the federal Legislative Director
11 with the Environmental Law and Policy Center.
12 ELPC works across the Great Lakes Midwest
13 region.

14 EPA should withdraw this proposal.
15 The Clean Air Act requires EPA to protect
16 people from any air pollutant that it deems
17 causes or contributes to air pollution that may
18 reasonably be anticipated to endanger public
19 health and welfare. The science that underpins
20 the 2009 Endangerment Finding remains sound and
21 has only gotten stronger.

22 EPA can try to distance itself and
23 Americans from the impacts of climate change by
24 consistently referencing global climate change
25 concerns in this proposal, but across the

1 country and in the Great Lakes region, we are
2 seeing, experiencing, and paying for the
3 consequences of GHGs and the climate change
4 they drive.

5 In 2019 ELPC published a report by
6 leading Midwest scientists that examined the
7 current and projected impacts of climate change
8 on the Great Lakes and the surrounding region.
9 Last month some of these same scientists
10 updated their assessment furthering our
11 understanding of how climate change-driven by
12 greenhouse gases is directly impacting the
13 health, lives, and the environment of tens of
14 millions of people across the region. These
15 reports will be in the docket.

16 The Endangerment Finding and the
17 Vehicle Standards that came after it do not
18 turn Clean Air Act Section 202(a)(1) into a,
19 quote, roaming license to prescribe standards.
20 The result has been standards for the leading
21 sources of U.S. greenhouse gases that save
22 lives and benefit consumers. According to EPA,
23 the 2024 multi pollutant standards provide
24 significant consumer and health benefits that
25 will be lost if EPA pursues this harmful

1 rescission. We risk losing \$13 billion in
2 annual health benefits, \$46 billion in reduced
3 annual fuel costs, and nearly \$16 billion in
4 reduced annual fuel savings and maintenance and
5 repair costs.

6 The existing standards were never an
7 EV mandate, contrary to claims. Pollution
8 standards for light and medium duty vehicles
9 were technology neutral and multiple pathways
10 for compliance promised consumers choices.
11 Similarly, the greenhouse gas heavy duty
12 standards were promising to deliver substantial
13 benefits. EPA is now seeking to rescind
14 standards that were a win win. EPA is
15 proposing to deliver a lose lose plan, one that
16 undermines consumers, investments, and
17 competitiveness of the auto industry, it will
18 put the Great Lakes region, the entire country,
19 and the globe at greater risk of climate chaos.
20 You should withdraw this proposal. Thank you.

21 FACILITATOR PAM: Thank you for your
22 comment. Our next commenter is Howard Learner.

23 MR. LEARNER: Good morning. I'm
24 Howard Learner, I'm the CEO of the
25 Environmental Law and Policy Center. The

1 Environmental Law and Policy Center opposes the
2 EPA's misguided and unlawful proposal to
3 rescind the science and fact-based Endangerment
4 Finding.

5 Greenhouse gas pollution harms public
6 health and welfare, we request that the agency
7 withdraw its proposal as contrary to law and
8 contrary to sound fact-based science.

9 Moreover, the Agency's proposal whipsaws
10 longstanding federal policies, thereby
11 discouraging businesses and governments.

12 Long-term energy and transportation capital
13 investments that require predictability and
14 sustainability.

15 Climate change is real and
16 accelerating. We're seeing the consequences
17 here in the Midwest of extreme heat, erratic
18 weather, more intense storms, toxic algae
19 outbreaks, and other threats to the Great
20 Lakes. EPA's proposal to abandon the
21 Endangerment Finding rests on the false premise
22 that greenhouse gas pollution does not
23 substantially contribute to climate change, it
24 does. Since 2009 EPA has repeatedly concluded
25 based on scientific evidence the greenhouse gas

1 pollution from power plants and vehicles harms
2 public health.

3 EPA's rationale contains at least two
4 fundamental errors of law. First of all, the
5 proposal misconstrues the Clean Air Act by
6 arguing the greenhouse gas emissions are not
7 pollutants subject to regulations because the
8 impacts are somehow too indirect. The Clean
9 Air Act, however, addresses other air
10 pollutants that have indirect impacts, such as
11 atmospheric ozone depletion or acid rain
12 formation, and Congress reinforced in its 2022
13 legislation that greenhouse gases are
14 pollutants.

15 Second, EPA argues in its preamble
16 that it can withdraw the Endangerment Finding
17 and refrain from greenhouse gas pollution, but
18 somehow displace federal common law actions
19 against businesses and preempt state climate
20 change action laws, that violates the Supreme
21 Court's decisions in the American Electric
22 Power and the National Pork Producers case.
23 EPA has no power to change these Supreme Court
24 decisions.

25 The Endangerment Finding is based on

1 broad scientific consensus about climate change
2 and its causes. We will submit detailed
3 comments to the EPA. The wisest path for the
4 EPA is to withdraw this misguided and unlawful
5 proposal. Thank you for your consideration, we
6 appreciate it.

7 FACILITATOR PAM: Thank you for your
8 comment. Our next commenter is David Doniger.

9 MR. DONIGER: I'm David Doniger. I'm
10 speaking on behalf of NRDCs more than 3 million
11 members, supporters, and activists.

12 In my nearly 50 years of working in
13 this field, through administrations of both
14 parties, this proposal is the most egregious
15 violation of science law and EPA's mission I've
16 ever seen. Under Administrator Zeldin, EPA is
17 abandoning its primary mission to protect the
18 health and welfare of Americans in order to
19 make the world ripe for unlimited exploitation
20 of fossil fuels.

21 The scientific basis for the
22 Endangerment Finding has only strengthened
23 since 2009. A Denali sized mountain of
24 evidence has grown to Mount Everest size since
25 the impacts are blindingly obvious to millions

1 of Americans suffering through more severe and
2 more frequent storms, heat waves, wildfires,
3 and other weather extremes.

4 Indeed, outside Administrator Zeldin's
5 air-conditioned announcement in Indianapolis,
6 10s of millions of Americans were suffering
7 under sweltering heat. And as he spoke, a Fox
8 News chyron blared out a heat index of 126
9 degrees in nearby Missouri. It is stunning
10 that the Administrator would consider this
11 action on the heels of the Texas flooding that
12 killed 135 people last month.

13 The Agency's turnabout rests on a
14 flimsy error written paper by five climate
15 deniers handpicked by DOE Secretary Wright.
16 Climate scientists are coming out of the
17 woodwork to set the record straight. A carbon
18 brief compendium has already identified more
19 than 100 false and misleading statements in the
20 DOE report. A repeal based on that report will
21 not withstand peer review or judicial scrutiny.

22 The proposal also grossly
23 misrepresents the law. It concedes that the
24 Supreme Court held in Massachusetts versus EPA
25 that greenhouse gases are air pollutants, but

1 the proposal now contends EPA has authority
2 only over vehicle pollutants that cause local
3 or regional harm. That proposal also argues
4 that the law covers only pollutants that hurt
5 you directly when you breathe them, not those
6 that cause deadly heat waves, fires, floods,
7 and storms. There are no such limitations in
8 the Clean Air Act.

9 EPA now suggests that Massachusetts
10 should be reconsidered. The Supreme Court --

11 FACILITATOR PAM: Thank you, that is
12 time. The next commenter is Melody Reis.

13 MS. REIS: Hi. My name is Melody
14 Reis. I'm the federal Policy Director at Moms
15 Clean Air Force. I appreciate the opportunity
16 to speak with you this morning.

17 The Endangerment Finding and the clean
18 Vehicles Rules are critical to EPA's ability to
19 protect families from the emissions that cause
20 global warming. The link between carbon
21 pollution and global warming is well
22 established by science and warming is becoming
23 more evident every year as dangerous, extreme
24 weather grows in intensity, affecting every
25 corner of our country.

1 The DC area, where I live, is no
2 exception. According to a summary of the 2018
3 National Climate Assessment released during
4 President Trump's first term, the city is
5 heating up, downpours are intensifying, and our
6 snow season is shrinking.

7 The report also warns that these
8 changes will accelerate into the future if
9 greenhouse gas emissions continue unchecked.
10 Unfortunately, this prediction has come true.
11 Nine of DCs ten warmest years have occurred
12 since 2012. Last year was our warmest year
13 yet, with several records being broken. We had
14 multiple consecutive days over 100 degrees last
15 summer and multiple excessive heat warnings,
16 which are issued when the heat index is
17 expected to reach or exceed 110 degrees.

18 In extreme heat, people are at
19 increased risk of heat exhaustion and heat
20 stroke. And this is especially true for babies
21 and small children, whose temperatures rise
22 three to five times faster than those of
23 adults, whose bodies have a harder time cooling
24 down and who may not recognize or be able to
25 communicate that they're dehydrated or

1 overheating.

2 Warming weather also means increased
3 air pollution. The DC metro region received
4 failing grades in the American Lung
5 Association's most recent state of the air
6 report released in April. Worsening air
7 quality, excessive heat warnings, regular
8 flooding. This is our reality. And we can
9 reduce future harm by taking meaningful action
10 on carbon and methane pollution, or we can walk
11 away condemning future generations to
12 increasing risks. To me, the path is clear.

13 The Endangerment Finding is
14 foundational to EPA's ability to protect us
15 from the dangerous emissions that cause global
16 warming. The health of our families,
17 communities, and future generations is at
18 stake. I urge EPA to put people over
19 polluters, to honor its mission, to protect
20 public health and the environment, and to
21 oppose any effort to undermine or revoke the
22 Endangerment Finding and the clean vehicle
23 standards. Thank you.

24 FACILITATOR PAM: Thank you for your
25 comment. Our next commenter is Elizabeth

1 Bechard.

2 MS. BECHARD: Good morning. My name
3 is Elizabeth Bechard, and I am a public health
4 manager for Moms Clean Air Force. I live in
5 Vermont with my family and I'm here today to
6 strongly oppose EPA's proposal to rescind the
7 Endangerment Finding and limits on greenhouse
8 gas emissions from motor vehicles.

9 Global warming is already intensifying
10 extreme weather and endangering families around
11 the country, increasing the intensity and
12 frequency of flood events. And, two summers
13 ago my community, and many others in Vermont,
14 sustained devastating flooding that destroyed
15 homes and businesses, traumatizing families and
16 causing lasting economic harm.

17 Last July and this July, Vermont
18 experienced flooding again, devastating many of
19 the same farms, businesses, and communities
20 that were still trying to recover from the
21 previous floods. Global warming is
22 contributing to Vermont's increasing flooding.
23 A recent study found that extreme precipitation
24 in the Northeast is expected to increase by 52
25 percent by the end of the century.

1 In addition to their impact on the
2 physical and economic infrastructure of
3 communities, floods can also have a profound
4 impact on mental health. Experiencing a flood
5 event has been linked with an increased risk of
6 anxiety disorder, symptoms of depression,
7 post-traumatic stress disorders, and many other
8 mental health challenges. According to the
9 American Psychiatric Association, the number of
10 people who experience mental health impacts
11 after a disaster often outnumber those
12 physically injured by a staggering 40 to 1.

13 We've seen the agonizing reminders of
14 the dangers of flooding in other states already
15 this summer, states like Texas, but we also
16 know that it is not too late for us to act on
17 climate change and not too late for us to
18 minimize the climate pollution that is
19 threatening virtually every aspect of our
20 future. The Endangerment Finding is a vital
21 foundation for the climate action our children
22 deserve. Every amount of warming that we
23 prevent from tailpipes and other sources will
24 mean a safer, healthier world for our children
25 and future generations. It is unthinkable that

1 we wouldn't do everything in our power to work
2 towards this world and unthinkable that EPA
3 would consider rolling back climate pollution
4 protections in a moment like this.

5 Please do not rescind the Endangerment
6 Finding and limits on climate pollution from
7 motor vehicles. Thank you for your time.

8 FACILITATOR PAM: Thank you for your
9 comment. Our next commenter is Gill Capper.

10 MS. CAPPER: Good morning, and thank
11 you. My name is Gill Capper and I am the
12 Program Manager for the Center for Climate
13 Health and Equity at the American Public Health
14 Association.

15 I grew up outside of Philadelphia and
16 have also worked and lived in Minneapolis and
17 Michigan and have seen how climate change is
18 impacting -- sorry, I'm having a little bit of
19 a cold -- is impacting all these places and
20 communities firsthand. I'm deeply passionate
21 about protecting people's health from the
22 impacts of climate change and ensuring a
23 healthy planet for all.

24 Before coming to Washington, DC, three
25 years ago, I worked at the Michigan Department

1 of Health and Human Services, the city of
2 Philadelphia Department of Public Health, and
3 Minnesota Department of Health. On behalf of
4 the American Public Health Association, which
5 represents more than 25,000 public health
6 professionals and advocates across the country,
7 we urge EPA to uphold the Endangerment Finding
8 under the Clean Air Act. Weakening it would
9 put the health of millions of Americans at
10 risk. Undermining the Endangerment Finding
11 would not only violate EPA's legal obligations,
12 it would abandon its mission to protect human
13 health and the environment.

14 The scientific consensus, including
15 from the Intergovernmental Panel on Climate
16 Change, the U.S. National Climate Assessment,
17 and the EPA's own research shows that
18 greenhouse gas emissions are driving or
19 worsening climate crisis that directly harms
20 public health. The impacts of climate change,
21 including intensifying heat waves, more air
22 pollution and wildfires, as we've seen, will
23 threaten human health and life.

24 Additionally, this proposal would also
25 repeal greenhouse gas emission standards from

1 passenger vehicles and heavy-duty trucks, which
2 ignores the fact that the transportation sector
3 is the largest source of greenhouse gas
4 emissions in the U.S..

5 Reports from the Lancet and APHA and
6 the American Lung Association confirm
7 increasing health harms from fossil fuel
8 pollution, including asthma, cardiovascular
9 disease, mental health impacts, and
10 heat-related illness and premature deaths. And
11 as someone with asthma, I can tell you, my
12 asthma definitely kicks up on days with poor
13 air quality, making it much harder to breathe.

14 Climate action must be guided by
15 science, public health, and environmental
16 justice, not politics or profit. Once again,
17 on the behalf of APHA's thousands of members
18 working in every state and community, we urge
19 EPA to oppose any rollbacks and defend the
20 Endangerment Finding and act to safeguard the
21 health of all --

22 FACILITATOR PAM: That is time, thank
23 you very much for your comment. Our next
24 commenter is Caroline Solomon.

25 MS. SOLOMON: Good morning. My name

1 is Caroline Solomon and I'm a Clean Vehicles
2 Fellow at the Natural Resources Defense
3 Council.

4 I'm here today on behalf of NRDC and
5 it's over 3 million members who support our
6 efforts to safeguard the rights of all
7 Americans to clean air, clean water, and a
8 healthy planet.

9 Today the EPA is attempting to create
10 a future where Americans bankroll big oil at
11 the gas pump, and not only with their wallets
12 but also with their health and our collective
13 future. The proposal to reconsider the 2009
14 greenhouse gas Endangerment Finding under
15 Section 202(a) of the Clean Air Act and
16 eliminate all mobile source GHG emission
17 standards fundamentally contradicts the EPA's
18 core duty to protect human health and the
19 environment.

20 While heat waves, droughts, and floods
21 intensify across the country, getting rid of
22 these standards is beyond short sighted and
23 prioritizes polluters over people. By the
24 prior EPA's own analysis, the light duty
25 vehicle standards yield net benefits of \$2.1

1 trillion over the next 30 years, including \$820
2 billion in fuel savings and \$1.8 trillion in
3 public health and climate benefits.

4 The current EPA's Draft Regulatory
5 Impact Analysis pretends that these savings
6 don't exist, relies on arbitrary assumptions
7 that inflate supposed savings and is riddled
8 with factual errors. But even this sloppy and
9 flawed modeling can't conceal the fact that
10 these standards actually lower gas prices,
11 drive innovation, reduce America's dependence
12 on foreign oil, and strengthen domestic
13 manufacturing of clean cars. This, in turn,
14 curtails the spewing of dangerous greenhouse
15 gases into the atmosphere, helping to mitigate
16 catastrophic climate change.

17 For these reasons, and others that we
18 will expand upon in written comments, we urge
19 the EPA to reverse course, maintain strong
20 mobile source GHG regulations, and reaffirm the
21 Endangerment Finding. If not, it's our
22 children who will pay. Thank you.

23 FACILITATOR PAM: Thank you for your
24 comment. Our next commenter is Ashley Hillard.

25 MS. HILLARD: Good morning. Thank you

1 for the opportunity to testify today. My name
2 is Ashley Hillard, I'm the North Carolina Field
3 Organizer for Moms Clean Air Force. And on
4 behalf of the over 76,000 members of the North
5 Carolina chapter of our organization, I ask
6 that the EPA not rescind the Endangerment
7 Finding or our vital clean cars and clean
8 trucks protections.

9 The Endangerment Finding is
10 foundational to the EPA's ability to protect us
11 from the emissions that contribute to the
12 climate crisis. Through my work, I often hear
13 from concerned parents who have children with
14 asthma, cystic fibrosis, and other health
15 issues related to the need for good quality
16 air. Similarly, my family and I deal with
17 health issues ranging from severe allergies to
18 COPD.

19 Climate change makes air quality worse
20 in a number of ways. Hotter days contribute to
21 the formation of smog, which is harmful for
22 little lungs to breathe. Global warming is
23 also creating hotter, drier conditions, which
24 are favorable for intense wildfires and longer
25 wildfire seasons, which then emits dangerous

1 smoke that can travel hundreds of miles away
2 from its source. Children's health, public
3 health must be a priority.

4 North Carolina is still dealing with
5 the devastation of Hurricane Helene, the
6 deadliest mainland U.S. hurricane since
7 Hurricane Katrina. Helene destroyed homes,
8 businesses, and lives. A study from the
9 weather -- sorry, the world Weather Attribution
10 Group found that rainfall associated with
11 Helene was about 10 percent heavier due to
12 climate change, and if the world continues to
13 burn fossil fuels, causing global warming to
14 reach 2 degrees Celsius above preindustrial
15 levels, devastating rainfall events like those
16 experienced with Helene will become another 15
17 to 25 percent more likely, and this is as we
18 currently have Hurricane Erin expected to
19 impact the Outer Banks.

20 I moved to North Carolina from
21 California, where wildfires devastate areas in
22 the state year after year, polluting the
23 environment, leaving people without homes, and
24 costing more and more money to repair the
25 damage, with the recent Los Angeles fires

1 causing an estimated economic loss of \$250
2 billion. We need agencies like the EPA to
3 regulate greenhouse gases from sources like
4 transportation, power plants in the oil and gas
5 industries that fuel more and more weather
6 disasters.

7 The science is clear. The
8 Endangerment Finding is essential to protecting
9 people's health and the health of the planet.
10 We all live here; we will all be affected by
11 climate change. Again, I ask the EPA to not
12 rescind the Endangerment Finding. Future
13 generations are counting on you. Thank you.

14 FACILITATOR PAM: Thank you for your
15 comment. Our next commenter is Jayne Black.

16 MS. BLACK: Thank you for the
17 opportunity to speak today. My name is Jayne
18 Black, I live in Brown County, Wisconsin. I am
19 the Wisconsin Field Coordinator for Moms Clean
20 Air Force.

21 I'm here today not just as an
22 advocate, but as a mother of a daughter and son
23 whose health is greatly impacted by air
24 pollution. I'm here for all our children whose
25 very lives depend on clean air in a stable

1 environment, stable climate. I strongly urge
2 you not to rescind the Endangerment Finding or
3 limits on greenhouse gas pollution from motor
4 vehicle tailpipes. We cannot afford to walk
5 away from these vital protections.

6 In 2025 the Milwaukee Journal reported
7 that Wisconsin's climate is becoming warmer and
8 wetter. Across the state, temperatures have
9 warmed about 3 degrees and rainfall has
10 increased about 5 inches, or 17 percent, since
11 1950, according to the Wisconsin Initiative on
12 Climate Change Impacts most recent report.

13 Higher temperatures can increase the
14 formation of ground level ozone, a pollutant
15 that irritates the lungs and airways. Ozone
16 can trigger asthma attacks and many other
17 health conditions, and research suggests it can
18 increase the risk of multiple sclerosis and
19 trigger MS flares. Higher temperatures mean
20 longer pollen seasons with even more pollen,
21 worsening allergies and asthma. Intense storms
22 and wildfire smoke impacts air quality, harming
23 respiratory health.

24 There are nearly 77,000 children in
25 Wisconsin struggling with asthma and for my son

1 who has asthma, it means a daily struggle to
2 breathe. Greater use of his inhaler and
3 additional medicine that has horrible side
4 effects that also affect his anxiety and mental
5 health. And for my daughter, who has Multiple
6 Sclerosis, it means living every day taking
7 precautions that make her world and life very
8 small, and relapse episodes that cause lesions
9 that deteriorate her MS even further.

10 Science is clear that climate change
11 is driven by human activity. Largely, the
12 burning of fossil fuels like coal, oil, and
13 gas. The transportation sector is a major
14 source of greenhouse gas emissions, accounting
15 for over a quarter of total climate pollution
16 in the U.S. in 2022. I'm asking --

17 MR. CHARMLEY: Jayne, you accidentally
18 hit the mute button for like your last 15
19 seconds.

20 Ms. Black: I am so sorry, I didn't
21 touch anything. I don't know where we left
22 off, but we'll start right here. I am asking
23 to protect the Endangerment Finding and limits
24 on climate pollution from motor vehicle
25 tailpipes for the sake of our children. Their

1 health and safety should be our priority.

2 Thank you.

3 FACILITATOR PAM: Thank you for your
4 comment. Our next commenter is Cynthia Palmer.

5 MS. PALMER: I'm Cynthia Palmer,
6 Senior Analyst for Petrochemicals at Moms Clean
7 Air Force. I oppose efforts to undermine or
8 revoke the Endangerment Finding and Tailpipe
9 Vehicle Standards.

10 Air pollution from combusting fossil
11 fuels is putting floods, fires, and hurricanes
12 on steroids. These climate emergencies are
13 triggering chemical disasters, effactory
14 explosions and fires melting pipelines and
15 toxic releases that add a terrifying sequel
16 lasting for years or decades and ending in
17 cancer and other illnesses.

18 With storms on the horizon,
19 petrochemical facilities flare massive amounts
20 of toxic chemicals. In the case of Hurricane
21 Harvey, for example, companies smothered Texas
22 communities with nearly 2,000 extra tons of
23 benzene dioxins and other hazardous pollutants.
24 Fossil fueled extreme weather triggers chemical
25 fires and explosions.

1 At the Arkema Chemical Plant in
2 Crosby, Texas, for example, the more than 3
3 feet of flood waters damaged refrigeration
4 systems meant to keep flammable chemicals from
5 decomposing and igniting. Likewise, in South
6 Satartia, Mississippi, a pipeline carrying
7 carbon dioxide used in oil drilling fractured
8 violently due to heavy rains and floods,
9 spewing carbon dioxide for hours. The carbon
10 dioxide displaced oxygen in the air so car
11 engines stopped running and people could not
12 escape. CO2 emissions can cause heart
13 malfunction and death by asphyxiation.

14 The clay earth concrete or sand
15 coverings on Superfund sites are no match for
16 the increasingly powerful hurricanes, floods,
17 and storm surges. At the San Jacinto Waste
18 Pits, for example, the protective concrete cap
19 was smashed by 16 feet of flood waters, sending
20 vast amounts of dioxins into the river.

21 Last year at least 37 states topped
22 100 degrees, intensifying droughts and
23 wildfires. High temperatures amplify toxicity
24 and worsen the health effects from air
25 pollutants, elevating the risk of asthma,

1 dementia, reproductive harms, cancers, and
2 other ill effects.

3 Mr. Zeldin's proposal is a gift to the
4 fossil fuel and petrochemical corporations, but
5 for the rest of us it is a reckless attack that
6 will harm our children and jeopardize their
7 futures.

8 FACILITATOR PAM: That is time. Thank
9 you for your comment. Our next commenter is
10 Stephanie Reese.

11 Stephanie, it looks like you're muted,
12 I'm going to send you a request to unmute.

13 MS. REESE: Oh, there we go, sorry.
14 Thank you. Hi. My name is Stephanie Reese,
15 and I am the Director of Strategic
16 Implementation and Justice at Moms Clean Air
17 Force, and I am also a mother.

18 As a mother of two young and very
19 active boys, being outdoors is a large part of
20 everyday activities, but this year, for the
21 first time ever, they did not participate in
22 outdoor summer camps because of the extreme
23 heat, heat that is being supercharged by global
24 change. A large part of me wishes that I was
25 being overprotective or inflating the dangers

1 that my children, and other children, are
2 facing due to global warming. Unfortunately,
3 climate change is a real threat, not only to
4 our quality of life, but also to our health and
5 safety. This is why I am here today to
6 strongly oppose efforts to undermine or revoke
7 the Endangerment Finding and the tailpipe
8 standards, which are foundational to the EPA's
9 ability to protect us from emissions that cause
10 global warming and impact the health and safety
11 of our children.

12 With more frequent and severe weather,
13 many communities are already experiencing the
14 health consequences of climate change. And,
15 communities of color are bearing the brunt of
16 the burden. Children and young people, like my
17 sons, are especially vulnerable, facing a range
18 of health issues linked to these climate
19 impacts.

20 Higher temperatures make air pollution
21 much more dangerous and have been linked to
22 respiratory problems such as asthma and
23 heat-related illnesses like heat exhaustion.
24 Even negative birth outcomes from air pollution
25 and climate stressors are becoming more common.

1 If we allow the revocation of the Endangerment
2 Findings, we are sending a dangerous message
3 that we are willing to sacrifice the safety of
4 our children, our families, and our communities
5 in the face of overwhelming scientific evidence
6 that climate change is a threat to our health.

7 The Endangerment Finding has given the
8 EPA the authority it needs to take action to
9 reduce the health harmful emissions that will
10 make our planet uninhabitable. We have made
11 progress, but there is still much more to do,
12 and revoking the Endangerment Finding and the
13 tailpipe standards would be a step backwards.
14 We cannot afford to wait. Thank you.

15 FACILITATOR PAM: Thank you for your
16 comment. Our next commenter is Cynthia Palmer.

17 Okay. Our next speaker is Shaina
18 Oliver or Shaina Oliver. We are having some
19 technical challenges there. The next speaker
20 then will be Khadijah Ameen.

21 DR. AMEEN: Hi. My name is Dr.
22 Khadijah Ameen, and I'm a Public Health
23 Practitioner, Health Disparities Researcher and
24 Nonprofit Leader based in Atlanta, Georgia. I
25 am Director of Policy and Research at Black

1 Health, a Georgia based nonprofit focused on
2 improving the community health conditions in
3 which diverse black populations live, work, and
4 age, and I feel honored to speak on record
5 about black health opposition of the EPA's
6 proposed rescinding of the Endangerment
7 Finding.

8 The Endangerment Finding concludes
9 that climate change and the climate pollution
10 caused by it from vehicles, power plants, and
11 other major sources endanger public health.
12 Here in Georgia and across the Southeast region
13 we are already seeing the devastating impacts
14 of climate change, including extreme weather
15 events like Hurricane Helene and extreme heat.

16 But we know this burden of climate
17 change and the ramifications of greenhouse gas
18 emissions are not equally shared. This burden
19 is concentrated in communities that have
20 already been historically excluded and under
21 resourced. There are various factors leading
22 to health disparities from climate pollution
23 and associated extreme weather in our country.

24 Geographically, millions of residents
25 in the Southeast are exposed to serious health

1 hazards from rising temperatures, and we also
2 know that more black populations live in the
3 Southeast than any other region in the United
4 States. Physiological research shows that
5 communities of color that live in historically
6 zoned areas are more likely to have higher
7 rates of asthma and various chronic conditions,
8 conditions exacerbated by air pollution, and
9 these individuals are also more likely to be at
10 increased risk from negative health outcomes
11 from extreme heat.

12 Structurally, women and black and
13 other communities of color are more likely to
14 be essential workers and face the consequences
15 of extreme heats. The food insecurity that
16 comes from climate change and the increased
17 energy burden.

18 In lieu of robust state level
19 environmental protections marginalized
20 communities in Georgia and many states across
21 the Southeast rely on federal environmental
22 protection. I urge the EPA to retract this
23 proposal and maintain the Endangerment Finding
24 to protect our climate, health, and safety.
25 Thank you for the opportunity to testify today.

1 FACILITATOR PAM: Thank you for your
2 comment. Our next commenter will be Shaina
3 Oliver.

4 MS. OLIVER: Hi. Can you hear me?

5 FACILITATOR PAM: We can, thank you.

6 MS. OLIVER: All right. Thank you for
7 taking my comments. I am Shaina Oliver, Field
8 Organizer and Indigenous People's Rights
9 Advocate With Moms Clean Air Force EcoMadres.

10 Our 44,336 members here in Colorado
11 are looking to EPA's leadership to protect
12 their children and we strongly oppose efforts
13 to revoke the Endangerment Finding and critical
14 limits on tailpipe pollution.

15 I'm a mother of four, and we are
16 enrolled members of the Navajo nation residing
17 in Denver, Colorado. Just five miles north
18 from where we live sit multiple industrial
19 polluters, and that pollution is warming our
20 planet and affecting our air quality.

21 According to the American Lung Association
22 State of the Air Report, Denver Metro area
23 ranks sixth worst in the nation for ozone smog
24 pollution, which is worsened by global warming.
25 Ozone pollution harms lungs and contributes to

1 asthma. According to the CDC reports, over
2 500,000 Coloradans, including myself and my
3 youngest child, are affected by asthma. Our
4 communities are the most vulnerable to missing
5 school and workdays.

6 As a tribal member of the Navajo
7 nation I grew up learning how my grandfather,
8 along with other Navajo men and women, mine
9 uranium without protective gear during a time
10 when the EPA didn't exist. My grandfather had
11 many health problems before he prematurely died
12 in his 70s. His life expectancy for Native
13 American people used to be well into their 90s
14 to 100s prior to the exploitation of indigenous
15 lands.

16 Due to exploitation of minerals and
17 resources, Colorado has seen an increase in
18 extreme weather, drought, and wildfire events,
19 costing communities billions in damages each
20 year. Without the Endangerment Finding and
21 tailpipe pollution rules, our communities will
22 be put in harmful situations that will harm
23 public health and further our children's --
24 further harm our children's health. As
25 parents, we are given the honor to protect our

1 children. Right now our children and the 74
2 percent of voters who think greenhouse gases
3 like carbon dioxide should be regulated as air
4 pollutants are counting on your leadership.

5 On behalf of all our children, Moms
6 Clean Air Force Colorado parents urge you today
7 to protect our children's right to our healthy,
8 livable future, and protecting the Endangerment
9 Finding is critical to protecting them. So
10 thank you.

11 FACILITATOR PAM: Thank you for your
12 comment. Our next commenter is Shauna Junco.

13 MS. JUNCO: My video won't start, it
14 says it's been stopped by the -- okay.

15 FACILITATOR PAM: Just sent you a
16 note, hopefully that helps.

17 MS. JUNCO: Thank you. Good morning.
18 My name is Shauna Junco, I'm a clinical
19 pharmacist specializing in infectious diseases,
20 who has been practicing for over 10 years in
21 Orlando, Florida. I am here today to urge the
22 EPA to not rescind the Endangerment Finding.

23 From my personal experience in caring
24 for patients, and from my review of the
25 literature, I have come to the same conclusion

1 as hundreds of thousands of clinicians living
2 in this country, climate change is dramatically
3 impacting our health and by regulating and
4 decreasing greenhouse gas pollution, the EPA is
5 improving our health.

6 Of the many patient stories, I could
7 tell, I will share the one most personal to me.
8 One night when I got home from work I
9 immediately saw how hard my three-year-old
10 daughter was working to breathe. A few minutes
11 later while driving back to my hospital with
12 her buckled in her car seat, I remember looking
13 in the rearview mirror as her head fell
14 forward, she was losing consciousness. By the
15 time we got to the children's hospital, her
16 oxygen saturation had fallen to the 70s and she
17 could barely keep her eyes open. Fortunately
18 for my family, she responded to oxygen and
19 medication.

20 And that night we drove home with her
21 diagnosis, an acute respiratory reaction to a
22 respiratory virus. Even though she did not
23 have pneumonia, she could not breathe. Why
24 such a strong reaction, I remember thinking. I
25 will later find out that because my family

1 lives close to a coal plant and a highway, huge
2 sources of greenhouse gas pollution, her risk
3 for significant respiratory diseases is higher.

4 Of the many health risks my children
5 and patients face due to greenhouse gas
6 pollution, I will focus on heat, air pollution,
7 and hurricanes. For much of the summer,
8 Florida is now dangerously hot for everyone,
9 and a study by the Union of Concerned
10 Scientists shows that in just over a decade my
11 county could regularly experience a feels-like
12 temperature of 127 degrees if greenhouse gas
13 pollution is not curbed quickly. The
14 increasing heat also makes us all more
15 susceptible to exposure to air pollution from
16 cars and power plants. Their pollution
17 increases the rates of asthma, heart disease,
18 and premature deaths. In my practice, it
19 increases the risk of dying from pneumonia.
20 And the costs from these outcomes are
21 tremendous. The EPA must account for them in
22 any economic analysis and affordable solutions
23 do exist for these pollution sources.

24 Finally, hurricanes stay strong for
25 much longer over land. They cost more to

1 recover from and affect our ability to care for
2 our patients. For example, when Hurricane
3 Maria decimated Puerto Rico, it also took out a
4 huge supply of our country's intravenous
5 fluids. Clinicians like me scrambled to figure
6 out how to deliver life-saving medications
7 without them.

8 Please uphold and strengthen the
9 Endangerment Finding.

10 FACILITATOR PAM: Thank you for your
11 comment. Our next commenter is Elida
12 Kocharian.

13 MS. KOCHARIAN: I am trying to turn
14 the video on.

15 FACILITATOR PAM: I just sent you --
16 perfect.

17 MS. KOCHARIAN: Thank you. My name is
18 Elida Kocharian, I'm an MD PhD student at UC
19 San Diego School of Medicine, and I'm here
20 today as a future physician to speak on behalf
21 of my San Diego community and my patients.

22 I hold a degree in Earth and Planetary
23 Sciences and Environmental Engineering from
24 Harvard University, so my understanding of
25 health is informed by environmental and climate

1 science. My testimony today is endorsed by San
2 Diego Pediatricians for Clean Air and the
3 American Academy of Pediatricians San Diego
4 Climate Change and Health Committee.

5 My city, San Diego, is an epicenter of
6 both childhood asthma and cancer-causing diesel
7 pollution. Medically, I'm extremely concerned
8 for the health impacts that deregulation of
9 vehicular emissions would cause in
10 neighborhoods like the South Bay of San Diego
11 that already have some of the highest rates of
12 childhood asthma hospitalizations in the
13 country. Diesel emissions from vehicular
14 exhaust are modeled to make up 84 percent of
15 the cancer risk in portside San Diego. The
16 primary legal basis we have to advocate for
17 regulation of these emissions and help prevent
18 our communities from getting sick comes from
19 the 2009 EPA Endangerment Finding. Without
20 this landmark piece of legislation, we lose the
21 ability to protect the health of our citizens
22 and our planet.

23 Legally recognizing global climate
24 change effects on human health allows us to
25 make laws that prevent my patients from getting

1 cancer from diesel pollution simply by
2 breathing the air in their neighborhood. It is
3 difficult and costly to treat cancer, and there
4 is no one cure for cancer. Does that mean I
5 should let my patient die from cancer without
6 treating them? Absolutely not.

7 It is difficult and costly to reduce
8 greenhouse gas emissions to protect the planet
9 and there is no one sector in which eliminating
10 emissions would cure climate change. Does that
11 mean we should allow cars to pollute the planet
12 unregulated until we're all sick without trying
13 to reduce their emissions? Absolutely not.

14 Claiming that climate change has no
15 effect on air pollution, and thus has no effect
16 on human health, as stated in the proposed rule
17 multiple times across the entire document, and
18 in particular in Paragraph 2 of the Executive
19 Summary and on Page 36290 is absolutely false.
20 Climate change is a clear and present danger to
21 health by way of worsened air pollution and so
22 much more.

23 My San Diegan patients who are
24 surviving and dying from wildfires,
25 debilitating heat waves, and toxic air will

1 tell you. We call upon the federal government
2 and EPA as leaders who are beholden to us as
3 citizens to step up to protect the health of
4 our communities and our planet for good and
5 revoke the proposed rule. Thank you so much.

6 FACILITATOR PAM: Thank you for your
7 comment. Our next commenter is Doris Browne.

8 DR. BROWNE: Good morning. My name is
9 Dr. Doris Browne of Washington, DC. Thank you
10 for the opportunity to speak on why I support
11 protecting the public's health from the
12 dangerous and deadly effects of air pollution
13 and greenhouse gas emissions.

14 I strongly encourage the EPA to not
15 rescind the Endangerment Findings, as such an
16 action will exacerbate the health threats we
17 are already seeing from climate change,
18 especially the impact in vulnerable
19 communities.

20 As a physician, medical oncologist,
21 and past president of the National Medical
22 Association, it is critical that we protect our
23 patients, communities, and our future
24 generations from the impact of climate change
25 pollution. I urge the EPA to not move forward

1 with this harmful action, but instead to
2 prioritize the health and well-being of all
3 communities by following the science and
4 adhering to the intent of the Clean Air Act.

5 Members of the National Medical
6 Association come from, live in, and work in
7 communities where our patients live and work.
8 We encounter daily the faces and hurting bodies
9 of those with poor health as a consequence of
10 pollution. Climate change and the resulting
11 extreme weather conditions impacts my
12 community, my family, future generations of my
13 family, and especially the cancer patients I
14 care for.

15 Coming from a family that is dispersed
16 throughout the country, we are experiencing
17 extreme heat, wildfires, flash floods,
18 hurricanes, and tornadoes. I understand
19 clearly the fears faced by my patients,
20 coworkers, family, and friends as they face the
21 extreme conditions resulting from climate
22 change, coupled with historical environmental
23 injustice. Therefore, I support and strongly
24 urge the EPA to fulfill its mission to protect
25 public health and the environment and not

1 rescind the Endangerment Findings. Instead,
2 take steps towards a future that ensures our
3 children, the elderly, pregnant women, and
4 those with chronic conditions, no matter where
5 they live, can breathe cleaner air --

6 FACILITATOR PAM: That is time, thank
7 you for your comment. Our next commenter is
8 Ankush Bansal.

9 DR. BANSAL: Good morning. Thank you
10 for the opportunity to testify. My name is
11 Ankush Bansal. I'm a physician in South
12 Florida, the President Elect of Physicians for
13 Social Responsibility and President of the
14 Florida Chapter of PSR. I strongly oppose the
15 repeal of the Endangerment Finding passed over
16 15 years ago.

17 In South Florida, we face high levels
18 of air pollution exacerbated by heat and
19 vehicular traffic. I've seen the effects of
20 air pollution on my patients. During the
21 summer and then the winter tourist season, most
22 of the area's hospitals see higher numbers of
23 admissions for lung disease, heart disease, and
24 stroke likely due to carbon pollution.
25 Thousands of studies worldwide have shown that

1 climate change and emissions from fossil fuels,
2 particularly non-EV motor vehicles, harm human
3 health. Enacting this repeal would contravene
4 the core mission of the EPA to protect human
5 health and the environment and it would
6 endanger all of us.

7 Strong carbon standards also reduce
8 other dangerous air pollution made possible by
9 the Endangerment Finding. Carbon's other
10 copollutants, like particulate matter, nitrogen
11 oxides, sulfur oxides, and volatile organic
12 compounds, negatively impact the health of our
13 communities. They are made worse when they
14 interact with one another, forming secondary
15 pollutants like ozone. By reducing particulate
16 matter and ozone pollution, EPA found that by
17 2035 carbon emissions standards at power plants
18 would result in reductions of 1200 premature
19 deaths, 870 hospital and emergency room visits,
20 1900 cases of asthma onset, and 360,000 cases
21 of asthma symptoms.

22 Emissions from transportation, the
23 most carbon polluting sector in the U.S., must
24 be addressed by EPA and the 2024 standards must
25 be kept in place. Those vehicle standards will

1 prevent more than 8 billion tons of additional
2 climate pollution from being emitted by 2055,
3 the equivalent of running 211 typical coal
4 power plants for an entire decade.

5 Help me and my colleagues help our
6 patients and truly make our country healthier.
7 Please abandon this misinformed and dangerous
8 proposal to repeal the Endangerment Finding.
9 Thank you.

10 FACILITATOR PAM: Thank you for your
11 comment. Our next commenter is Kyle Ropski.

12 MR. ROPSKI: Hello. My name is Kyle
13 Ropski and I am from the city of Allentown,
14 Pennsylvania. I am here to urge -- this should
15 be working. I'm here to urge the EPA to
16 maintain and to not rescind the 2009
17 Endangerment Finding and greenhouse gas
18 emission standards for vehicles.

19 Allentown is a city of just over
20 125,000 people, the third largest in
21 Pennsylvania, and we hold an unfortunate
22 distinction. We have been ranked asthma
23 capital of the United States two years in a
24 row. This ranking is not just a number, it is
25 kids gasping for air on playgrounds, parents

1 missing work to rush their child to urgent
2 care, and seniors struggling to breathe on hot,
3 stagnant days. Many of our neighborhoods
4 already carry a disproportionate share of
5 environmental burdens. These are the very
6 communities with the least capacity to adapt
7 facing limited healthcare access, inadequate
8 housing, and fewer resources to protect against
9 extreme heat or pollution exposure.

10 Weakening vehicle greenhouse gas
11 standards would not only accelerate the climate
12 crisis, but also increase harmful copollutants,
13 like nitrogen oxides and particulate matter,
14 which drive asthma, heart disease, and other
15 chronic health problems. Upholding strong
16 standards is, therefore, not only a climate
17 necessity, but also an environmental justice
18 obligation, ensuring that the families most
19 exposed to pollution, just like the families
20 here in Allentown, are not continually left
21 behind in public policy.

22 Climate change is not a distant threat
23 for us, is here today. We are seeing more
24 extreme heat days, heavier downpours that flood
25 our streets, and worsening air quality during

1 summer ozone alerts. These trends will
2 accelerate if we dismantle proven policies to
3 cut greenhouse gas emissions.

4 The science behind the Endangerment
5 Finding is clear and has only grown stronger
6 since 2009. Greenhouse gases from vehicles
7 endanger public health and welfare. Rescinding
8 this finding and repealing these standards
9 would be a step backwards that our community
10 cannot afford. We need the EPA to protect
11 public health, not weaken safeguards in the
12 face of overwhelming evidence.

13 On behalf of the people of Allentown,
14 our children, our elders, and our most
15 vulnerable neighbors, I urge you to uphold the
16 Endangerment Finding and keep vehicle
17 greenhouse gas standards in place. Thank you
18 for the opportunity to share my perspective.

19 FACILITATOR PAM: Thank you for your
20 comment. Our next commenter is Breck Lebegue.
21 The record shows that you're unmuted from our
22 side there, you may just be muted on your side.
23 We can't hear you, but we can see you now.

24 DR. LEBEGUE: All right. I'm all
25 plugged in, let's try that.

1 FACILITATOR PAM: Perfect. Thank you.

2 DR. LEBEGUE: Thank you. Sorry for
3 the disturbance. I'm Dr. Breck Lebegue,
4 retired Air Force Flight Surgeon and a Public
5 Health Physician with Washington Physicians for
6 Social Responsibility. As we boldly say on our
7 website, EPA deregulation is an attack on our
8 health.

9 I'm speaking from Steilacoom,
10 Washington, the first incorporated town in our
11 state that still has the pristine air and clear
12 water of the South Puget Sound. But a few
13 miles to the east, I5 traffic spews a cloud of
14 particulates that our Department of Ecology
15 identifies as the worst in the state. That
16 diesel smoke reminds me of my first military
17 deployment to Saudi Arabia. I saw a black
18 cloud rising into the clear desert air down
19 wind of us. I thought, there must be a fire.
20 But no, it was a huge field of diesel
21 generators to keep the systems running on our
22 base in the middle of the desert. It, of
23 course, was not regulated. Small sign on the
24 gate said, thank Power Pro, without us you're
25 just camping. And it's true, without fossil

1 fuel energy we'd be living in 1825 conditions.

2 But fuel smoke has this nasty
3 downside, heart and lung disease. PM2.5 is
4 even linked to dementia. The only way to avoid
5 that is use less fossil fuel, keep the
6 regulations that make it as clean as possible
7 for as many as possible, keep us as healthy as
8 possible. Without good health, life is just
9 surviving, not thriving. Please keep the regs
10 so our kids can grow up breathing clean, fresh
11 air like we have in the Pacific Northwest.

12 Thank you.

13 FACILITATOR PAM: Thank you for your
14 comment. Our next commenter is Attorney
15 General Matthew Platkin. One technical issue
16 here, we should have that resolved in just a
17 second. Attorney General Matthew Platkin, are
18 you available? Thank you.

19 ATTORNEY GENERAL PLATKIN: Can you
20 hear me?

21 FACILITATOR PAM: We can. Thank you.

22 ATTORNEY GENERAL PLATKIN: Okay,
23 great. Good morning. My name is Matthew
24 Platkin, I'm the Attorney General of New
25 Jersey, and thank you so much for having me.

1 I am commenting today to express my
2 profound concerns about EPA's proposed rule
3 that would revoke both the Endangerment Finding
4 and the greenhouse gas vehicle emission
5 standards.

6 This proposal doesn't just ignore
7 settled law, it also ignores basic scientific
8 facts and will harm the health, safety, and
9 welfare of New Jerseyans. If adopted, this
10 proposed would put lives at risk and leave the
11 world a worse place for our children than we
12 found it.

13 In my limited time today I'd like to
14 highlight some of the enormously damaging
15 consequences of EPA's attempt to abdicate its
16 mandate to protect human health and the
17 environment.

18 Human-driven climate change is a
19 reality for the over 9 million people who call
20 New Jersey home. Our communities experience
21 the effects of a changing climate every single
22 day. Take the air we breathe. Vehicles emit
23 greenhouse gases that cause climate change.
24 Vehicle emissions also cause localized air
25 pollution and this air pollution harms our

1 health, it aggravates chronic cardiovascular
2 and respiratory conditions like asthma,
3 particularly for kids, and increases the risk
4 of many other conditions.

5 In New Jersey, over 1 million vehicles
6 cross our highways every single day, and these
7 include heavy duty trucks going to and from the
8 port of New York and New Jersey, which is the
9 busiest port on the East Coast. It's crucial
10 that the federal government tackles the harms
11 caused by vehicle emissions which so heavily
12 impact New Jersey. I think this should be a no
13 brainer. Instead, EPA is proposing to roll
14 back the progress we've made on combating air
15 pollution and curbing greenhouse gas emissions.

16 It is also an established fact that
17 human-driven greenhouse gas emissions have led
18 to increased frequency and increased intensity
19 of extreme weather. In 2012 super storm Sandy
20 damaged or destroyed nearly 350,000 homes in
21 New Jersey, it cut power to 2 million people,
22 it caused approximately \$30 billion in economic
23 damage, and tragically took the lives of 38 New
24 Jerseyans. The second deadliest disaster to
25 hit New Jersey, which was Hurricane Ida, just

1 came nine years later. More than 12 rivers in
2 New Jersey have exceeded their 100-year flood
3 levels and 30 people lost their lives.

4 New Jersey is now also adjusting to
5 the reality of living with smoke and smog from
6 wildfires, something we previously did not
7 experience. When smoke from Canadian wildfires
8 drifted into New Jersey in 2023, New Jersey's
9 emergency rooms saw more than twice the number
10 of patients with asthma. The heavily forest
11 million-acre Pineland National Reserve in South
12 Jersey also is predicted to see more intense
13 wildfires in the years to come. These
14 wildfires have become far worse in recent years
15 due to human-driven climate change and
16 wildfires themselves release large amounts of
17 greenhouse gases.

18 Instead of reducing the emissions that
19 exacerbate conditions for devastating
20 wildfires, the EPA, in its proposed rule, is
21 ignoring the problem.

22 For a state with 130 miles of Atlantic
23 coastline, sea level rise and flooding pose
24 profound risks to our safety and to our
25 economy. Sea level rise is happening faster in

1 New Jersey than it is globally. Without major
2 climate mitigation, places like Atlantic City
3 could experience flooding 100 days or more
4 every single year. The EPA's actions as
5 proposed move us in the wrong direction and
6 make these harms and many others even more
7 likely to materialize.

8 Across New Jersey state government
9 leaders have stepped up to the plate, we've
10 taken a whole of government approach to
11 mitigate and to adapt to the harmful effects of
12 climate change. And my office is taking on
13 polluters to clean up our air, water, and soil,
14 including in our overburdened communities and
15 we just recently settled this largest single
16 state settlement against a polluter in American
17 history.

18 The federal government, by contrast,
19 is proposing to ignore the problem entirely.
20 EPA's fundamentally flawed rule threatens to
21 exacerbate the climate impacts on New
22 Jerseyans. It will not survive in court, but
23 it should never have been proposed in the first
24 place, I urge the EPA to withdraw this proposal
25 and I thank you for your time and

1 consideration.

2 FACILITATOR PAM: Thank you very much
3 for your comment. The next commenter is Jim
4 Recht.

5 DR. RECHT: Thank you for the
6 opportunity to speak today. I'm Dr. Jim Recht.
7 I live and work in the Boston area. I'm a
8 psychiatrist with more than 30 years of
9 clinical and teaching experience, and I'm a
10 member of Climate Code Blue, a consortium of
11 physicians and allied health professionals
12 dedicated to fighting the social injustices
13 created and exacerbated by the climate crisis.
14 I'm asking the EPA not to rescind the
15 Endangerment Finding.

16 I'll use my time to talk about just
17 one example of the health harms of extreme
18 heat. Extreme heat, which we know based on
19 settled science, is caused and exacerbated by
20 rising levels of atmospheric greenhouse gases.
21 Scientists studied health records from
22 hospitals and emergency rooms across the entire
23 U.S. for over 10 years, from 2010 to 2019,
24 looking at hospitalizations and emergency room
25 visits during heat waves and here's what they

1 found. For every degree of increasing warm
2 weather temperature, psychiatric emergency room
3 visits increased proportionately.

4 The mental health crises associated
5 with these heat waves were especially severe
6 for individuals with depression, including
7 increasing suicide attempts, but also for
8 individuals with anxiety, including panic
9 attacks, and for individuals with chronic
10 severe mental illness, like manic depressive
11 illness and schizophrenia.

12 And so, I would like to ask EPA
13 Administrator Lee Zeldin, and the rest of EPA's
14 current leadership, and at the risk of seeming
15 overly direct, I'd like to ask the people on
16 today's EPA panel, do you have family members,
17 friends, or colleagues that might struggle with
18 psychiatric conditions like these, and are you
19 comfortable taking the risks involved in
20 rescinding the Endangerment Finding based on
21 these facts?

22 The EPA was created in the 1970s to
23 shield us from air, water, and chemical
24 hazards, and in 2009, as you've heard, as we
25 all know, the EPA recognized that carbon

1 dioxide and other greenhouses constitute air
2 pollution and that they threaten the public.

3 FACILITATOR PAM: That is time, thank
4 you for your comment. Our next commenter is
5 Frances DeForrest.

6 MS. DeFORREST: Hello there. My name
7 is Frances DeForrest, I'm a registered nurse
8 and a resident of Montana living on the Salish,
9 Kootenai, Pend d'Oreille tribal lands. As a
10 concerned citizen and member of the Alliance of
11 Nurses for Healthy Environments, I am here
12 today to make a request on behalf of us nurses
13 and the communities we serve and care for.

14 We demand that the EPA continue to
15 work towards reducing the greenhouse gases and
16 carbon emissions produced in the United States.
17 As we know, climate change is a natural
18 phenomenon that is being accelerated by human
19 caused greenhouse gases, including carbon
20 dioxide. We nurses are concerned that if the
21 EPA rescinds the Clean Air Act Emission
22 Standards for motor vehicles, that this will
23 also weaken the support for strengthening the
24 emission standards for corporations.

25 Working as a telephonic triage nurse

1 in 45 states across the nation during the COVID
2 pandemic, I personally triaged 10 to 20,000
3 people per year, as did my coworkers. These
4 people, both vaccinated and nonvaccinated, were
5 often calling in about respiratory illnesses.
6 As we all learned, healthcare providers and the
7 public during the COVID pandemic, that those
8 with underlying respiratory diseases, such as
9 asthma and COPD, are at higher risk for
10 complications, requiring hospital admissions
11 and have an increased risk of death from
12 respiratory viruses like COVID and the flu.
13 Air pollution increases these risks, especially
14 for those in urban and industrial areas, which
15 is now starting to include rural areas. Right
16 now as I speak, there are three to five
17 wildfires in the county that I live in.

18 Making America great again, well,
19 let's take a look at this. The healthy air,
20 carbon dioxide content of healthy air is
21 considered to be at 400 particles per million.
22 In 1960 there were 73.8 million registered
23 vehicles and the carbon dioxide was 310 parts
24 per million. In 2025 there are 298.7 million
25 registered vehicles and the CO2 parts per

1 million has increased to 424.8. There's
2 obviously a connection here.

3 We know that together as citizens
4 and --

5 FACILITATOR PAM: That is time, thank
6 you for your comment. Our next commenter is
7 Nissa Shaffi.

8 MS. SHAFFI: Good morning. My name is
9 Nissa Shaffi, and I am the Director of Advocacy
10 at the Allergy and Asthma Network. I'm here
11 today to represent the more than 100 million
12 Americans living with asthma, allergies, and
13 related conditions whose health and well-being
14 are directly threatened by the proposed
15 reversal of the 2009 Endangerment Finding.
16 Thank you for the opportunity to offer public
17 comments on efforts to preserve this critical
18 ruling.

19 The 2009 Endangerment Finding was not
20 a hasty decision, it was a result of a thorough
21 science-based process. This determination
22 concluded that greenhouse gases endanger public
23 health and welfare. It has served as a bedrock
24 of our nation's efforts to regulate air
25 pollution from vehicles, a policy that has been

1 repeatedly affirmed by multiple administrations
2 and upheld by courts. To reverse it now would
3 be a harmful regression of public health,
4 scientific consensus, and establish legal
5 precedent. This proposed reversal is
6 particularly dangerous for individuals with
7 asthma and other respiratory conditions because
8 it will lead to an increase in harmful air
9 pollutants that are known triggers for asthma
10 attacks and other adverse health outcomes.

11 For people with chronic illnesses,
12 particularly asthma, their health is a delicate
13 balance between managing their medical
14 conditions and controlling their exposure to
15 environmental triggers. This is why the EPA's
16 role in protecting public health is more
17 critical now than ever before.

18 Recent federal policy changes are
19 creating significant new barriers to healthcare
20 access in the form of Medicaid cuts and
21 diminish access to Affordable Care Act
22 coverage. As individuals with asthma and other
23 chronic illnesses navigate this increasingly
24 complex and fragmented healthcare system, they
25 face a higher risk of losing coverage or being

1 able to afford their medications and
2 treatments. For a patient with asthma, a gap
3 in coverage could mean a dangerous interruption
4 in their care, which are essential for
5 preventing life threatening asthma attacks.

6 In this climate of reduced healthcare
7 access, environmental protections serve as a
8 critical safety net. When individuals cannot
9 rely on consistent and affordable access to
10 their healthcare providers and medications,
11 their ability to manage their symptoms become
12 even more dependent on a clean and healthy
13 environment. By reducing triggers in asthma
14 attacks in the air that we breathe, the APA's
15 regulations directly reduce the number of
16 people who need to see costly and unaffordable
17 emergency care.

18 To conclude, we ask that you --

19 FACILITATOR PAM: That is time, thank
20 you for your comment. Our next commenter is
21 Dr. Craig Nazor.

22 DR. NAZOR: Hello. Can you hear me?

23 FACILITATOR PAM: We can, yes.

24 DR. NAZOR: Okay. Dr. Craig Nazor,
25 Conservation Chair of the Lone Star Chapter of

1 the Sierra Club.

2 Carbon dioxide can absorb light energy
3 in many frequencies from one direction and
4 release that energy as heat energy in all
5 directions. This fact was established by
6 Joseph Fourier in 1824, carbon dioxide in the
7 atmosphere absorbs light from the sun and
8 reradiates that light as heat. This is the
9 greenhouse effects which warms the planet as
10 more carbon dioxide is present. A constant
11 level of carbon dioxide helps keep the Earth at
12 an optimal temperature for life. Too much
13 carbon dioxide and the planet heats up beyond
14 human tolerance.

15 Since 1958 we have kept very accurate
16 records of the atmospheric carbon dioxide level
17 at the Mauna Loa Observatory in Hawaii. This
18 level is rising. This rise can only be
19 explained by the increasing burning of fossil
20 fuels by human activity. We have good
21 long-term temperature records that show clearly
22 that the temperature of the Earth is warming.

23 Using satellite data, we can measure
24 the amount of energy the Earth is receiving
25 from the sun. We can also measure the amount

1 of energy the Earth is radiating back into
2 space. More energy is now being absorbed by
3 the Earth and being radiated out into space.
4 This is unequivocal evidence of climate change.
5 It's science and science is true, whether you
6 choose to believe it or not.

7 The amount of damage done to human
8 civilization on Earth by climate change is
9 predicted to be \$38 trillion annually by 2049.
10 The number of deaths on Earth attributable to
11 climate change are already hundreds of
12 thousands annually. Climate change is a
13 serious threat to the economy and health of all
14 Americans.

15 Findings by the EPA should be based on
16 science, not politics. Reversing the carbon
17 dioxide Endangerment Finding will harm and kill
18 Americans and cost the economy billions of
19 dollars every year, undoing this Finding may
20 produce higher short-term profits for the
21 billionaire heavily invested in the fossil fuel
22 industry, it will stall the American
23 development of low carbon technologies which
24 the rest of the world needs and which they will
25 buy from whatever country can produce them

1 first.

2 Do not repeal this Endangerment
3 Finding. Instead, continue to base EPA policy
4 on science, not on corporate welfare for the
5 billionaire class at the expense of the vast
6 majority of the American people. Thank you.

7 FACILITATOR PAM: Thank you for your
8 comment. The next commenter is Harold Wimmer.
9 You may be having some technical challenges
10 there. We'll move on to Michael Geller.

11 MR. GELLER: Good morning. I am
12 Michael Geller, Deputy Director for the
13 Manufacturers of Emission Controls Association.

14 For nearly 50 years, MECA has been the
15 trade association representing leading
16 suppliers of clean mobility technologies. Our
17 members have a proven track record in
18 developing and commercializing emission control
19 and efficiency technologies for a wide variety
20 of on and off road vehicles and equipment in
21 all world markets, offering cost savings to
22 consumers and health benefits to all Americans.

23 I'd like to start by saying we support
24 EPA's decision not to reconsider, but rather
25 maintain standards for criteria pollutants,

1 including particulate matter NOx, hydrocarbons,
2 and CO in this proposal. The record supports
3 that the criteria pollutant standards are
4 achievable without relying on electric vehicles
5 and yield consumer savings and air quality
6 benefits that are multiple times the nominal
7 per vehicle costs. We urge EPA to continue to
8 leave these standards in place.

9 Clean mobility suppliers represent
10 nearly 300,000 North American jobs, building
11 the technologies that reduce emissions and
12 improve the fuel economy of vehicles. Our
13 industry generates hundreds of billions of
14 dollars for the U.S. economy. Furthermore,
15 suppliers invest billions of dollars each year
16 in technological innovation that gets exported
17 around the world. Our industry has grown in
18 response to technologically feasible and cost
19 effective environmental regulations.

20 Historical GHG standards have
21 catalyzed investments by our industry, thus,
22 the existing regulatory framework can most
23 effectively support competitiveness of U.S.
24 manufacturing and regulatory stability on which
25 suppliers rely to make investments and create

1 jobs. Based on the above rationale, MECA
2 suggests that EPA consider the following
3 alternatives.

4 One, consider setting GHG standards to
5 a level that continues to incentivize
6 technology innovation and U.S. industry
7 competitiveness in a global market.

8 And two, consider allowing all power
9 train technologies to compete on a level
10 playing field based on lifecycle accounting of
11 emissions rather than tailpipe only standards,
12 enabling innovation across internal combustion,
13 hybrid, and electric platforms.

14 Our industry remains committed to
15 working with EPA as you work to finalize this
16 regulation. Thank you for this opportunity to
17 comment and I'm happy to answer any questions.

18 FACILITATOR PAM: Thank you for your
19 comment. Our next commenter will come back to
20 Harold Wimmer.

21 MS. WIMMER: Thank you. Hello. My
22 name is Harold Wimmer, and I'm proud to serve
23 as the President and CEO of the American Lung
24 Association. The American Lung Association is
25 the nation's oldest voluntary health

1 organization and we work toward a world free of
2 lung disease.

3 We base everything that we do on
4 science and in the case of climate change,
5 things cannot be clearer, greenhouse gases are
6 driving climate change, which is harming
7 people's lungs across the country. I urge EPA
8 to withdraw these proposed repeals.

9 The action proposed by the EPA is
10 dangerous, and if finalized, would be a massive
11 setback for health. The Endangerment Findings
12 is supported by law and the overwhelming
13 scientific consensus around climate change,
14 overturning it would prioritize polluters over
15 the health of everyone in the United States,
16 particularly the health of our children,
17 seniors, and people living with lung disease.

18 The work of the EPA over the past
19 decade has led to numerous health benefits.
20 Safeguards against methane pollution also
21 reduce emissions of other harmful air
22 pollutants, like volatile organic compounds.
23 Rules to reduce carbon pollution from power
24 plants were also estimated to reduce
25 particulate matter, sulfur dioxide, and

1 nitrogen oxides, all of which are dangerous to
2 public health. And EPA's work to reduce
3 emissions from the transportation sector has
4 helped to deliver health benefits to
5 communities across the country.

6 Standards that reduce greenhouse gas
7 emissions from new vehicles have been used by
8 EPA for decades under multiple administrators.
9 Repealing them would not only threaten an
10 acceleration of climate change, it would also
11 lead to increases in harmful air pollution that
12 impact lung health.

13 The science is clear, climate change
14 is a health emergency. Thank you for the
15 opportunity to speak.

16 FACILITATOR PAM: Thank you for your
17 comment. Our next commenter is Madeline Hall.

18 MS. HALL: Hello. Can you hear me,
19 see me?

20 FACILITATOR PAM: We can, yes, thank
21 you.

22 MS. HALL: Thank you for the
23 opportunity to speak today. My name is
24 Madeline Hall, I'm a recent graduate from the
25 University of California at Riverside with a

1 Bachelor's Degree in Political Science, and now
2 currently reside in Sacramento, where I'm
3 serving as a Leverage Sustainability Fellow
4 with the American Lung Association.

5 In Riverside, Sacramento, and in
6 communities across the United States, young
7 people like me are deeply concerned about the
8 rollbacks and repeals of climate policies
9 intended to safeguard us. This is why I
10 strongly oppose the EPA's proposal to repeal
11 the Endangerment Findings and the greenhouse
12 gas standards for vehicles.

13 My community in California, it's
14 regularly ranked among the most polluted in the
15 country and climate driven extremes have added
16 to that burden. We have seen extreme heat
17 storms, flooding, and choking wildfire smoke in
18 just the past few years itself. I'm someone
19 who lives with a daily reality of what this
20 pollution means. I've lived in California all
21 my life and protecting air we breathe has only
22 gotten harder with each new fire or heat wave
23 increasing health harm and cost to families and
24 individuals.

25 It could be easy to forget how bad

1 things once were and how far we've come because
2 of strong science-based regulations, but that
3 progress is not always guaranteed and we cannot
4 afford to turn back on science. Rolling back
5 the Endangerment Finding and Clean Vehicle
6 Standards will leave communities and poor air
7 quality even worse.

8 The Endangerment Finding exists
9 because of decades of evidence that shows that
10 greenhouse gas emissions contribute to climate
11 change and harms communities. And, we're
12 already experiencing it with the high asthma
13 rates, the extreme heat, and the smoke that
14 penetrates deeply into our lungs.

15 I respectfully ask the EPA to protect
16 the Endangerment Finding, protect vehicle
17 standards, and to put health first. Please do
18 not finalize this dangerous rollback,
19 especially when the science supports it. Thank
20 you.

21 FACILITATOR PAM: Thank you for your
22 comment. Our next commenter is the Reverend
23 Kaari Maria Reiersen.

24 REVEREND REIERSON: It says I'm unable
25 to start video for some reason. Here we go.

1 Okay. Good morning. My name is Kaari
2 Reierson. I'm a Pastor at the Evangelical
3 Lutheran Church in America, also known as the
4 ELCA, it's a denomination of about 3.3 million
5 members, and I'm the Director for Corporate
6 Social Responsibility.

7 The ELCA has a process by which it
8 develops social teaching, the public
9 proclamation of our church. We spend years
10 studying an issue from the point of science,
11 social science, theology, the Bible, and our
12 tradition. More than 30 years ago the ELCA
13 developed social teaching expressing concern
14 about the way we were depleting the resources
15 on our planet and causing global warming.
16 Operating out of a framework that declares God
17 is the beneficent creator of a world that is
18 good, our social teaching on the environment
19 sets out four principles.

20 First, we're all affected by what
21 happens on the planet. All of us are entitled
22 to have our voices heard.

23 Second, we depend on each other, and
24 we help and defend each other.

25 Third, the Earth and its bounty

1 belongs to God, not us, and so we use it for
2 God's intent, which is to make sure everyone
3 has enough.

4 And lastly, the Bible includes, both
5 in its account of creation and it's a
6 description of jubilee laws, an understanding
7 of rest and regeneration. We allow ourselves
8 in the Earth to rest so that we may provide for
9 the future.

10 More recently, the ELCA developed
11 social teaching specific to climate change and
12 greenhouse gas emissions. The ELCA holds that
13 the wisdom of science is a God-given gift and
14 we use that gift to make decisions about how to
15 live. Our climate change social teaching
16 quoted the UN Secretary General's statement
17 issued with the IPC 6 assessment report, the
18 alarm bells are deafening and the evidence is
19 refutable, greenhouse gas emissions from fossil
20 fuel burning and deforestation are choking our
21 planet and putting billions of people at
22 immediate risk. Given the nature of scientific
23 understanding around climate change, our church
24 has declared that addressing climate change is
25 a kairos moment, the only time this term has

1 been used in our social teaching.

2 All of our values around what creation
3 is, again, gift from God, something to be
4 shared, to support each other, something we
5 want to be there in the future. All of these
6 values are being challenged by the removing the
7 option of regulating emissions. Our church
8 does not trade the present for the future.
9 Thank you.

10 FACILITATOR PAM: Thank you for your
11 comment. Our next commenter is Alexa Jordan.

12 MS. JORDAN: Hello. My name is Alexa
13 Jordan, and I'm here on behalf of the Asthma
14 and Allergy Foundation of America, or AAFA.
15 For more than 70 years, through 13 presidential
16 administrations, AAFA has been the nation's
17 trusted ally for people with asthma and
18 allergies. We are the largest and oldest
19 patient advocacy organization dedicated to
20 improving the lives of those living with these
21 chronic conditions.

22 Today I want to speak about the urgent
23 need to uphold the Endangerment Finding. For
24 the 28 million Americans with asthma, the
25 Endangerment Finding is not an abstract policy

1 issue, it's a matter of life and death. Each
2 day in this country nine people die from
3 asthma. And, every time air pollution levels
4 rise, so do emergency room visits,
5 hospitalizations, and severe asthma attacks,
6 especially among children.

7 The health impacts of air pollution
8 are well documented, and many of the panelists
9 have discussed them today. Breathing polluted
10 air can cause or worsen breathing problems and
11 asthma attacks cause difficulty breathing
12 deeply, decreased lung growth in children,
13 reduced lung function, greater need for asthma
14 medication and emergency care, cardiovascular
15 disease, and adverse birth outcomes, including
16 preterm birth, low birth weight, and
17 stillbirth.

18 Research has even linked air pollution
19 to the development of childhood asthma. If we
20 are committed to addressing the growing crisis
21 of chronic illness in children, then we must
22 pursue policies that do not lead to the
23 development of those conditions. The toll is
24 not only our children's health, it's also
25 economic.

1 Asthma is also one of the leading
2 causes of missed school days in the United
3 States, accounting for more than 13 million
4 absences each year. When children miss school,
5 parents often miss work to care for them,
6 compounding the disruption for families and for
7 our workforce. In total, the annual economic
8 cost of asthma is an estimated \$115 billion
9 including both healthcare expenses and lost
10 productivity. On average, a person with asthma
11 faces medical costs that are more than \$3,200
12 higher each year than someone without the
13 disease.

14 The EPA's decision to rescind strict
15 limits on greenhouse gas emissions from cars,
16 power plants, and other industrial sources will
17 have devastating consequences for our
18 community. It will mean more missed school
19 days and more missed work, more
20 hospitalizations, and more asthma related
21 deaths.

22 On behalf of the Asthma and Allergy
23 Foundation, I urge you to strengthen, not
24 weaken, protections that reduce air pollution
25 and safeguard public health.

1 FACILITATOR PAM: Thank you for your
2 comment. Our next commenter is Joshua Glasser.

3 MR. GLASSER: Hello. Can you hear and
4 see me okay?

5 FACILITATOR PAM: We can, thank you.

6 MR. GLASSER: Thank you. My name is
7 Joshua Glasser. I grew up in North Carolina,
8 but now I'm a resident of Virginia. I've
9 worked on climate change and human health
10 issues for more than 15 years as a student,
11 public servant, and advisor.

12 My objections to this rule are
13 fundamentally about the issue of trust.
14 Several assertions in the rule focus on the
15 political reasons for policy change, which is
16 not central to the issue of public health and
17 welfare. This undermines trust in the fidelity
18 of this process to consider the endangerment of
19 the pollutant, not the political choices we may
20 make based on that danger.

21 This rule draws an inapt analogy with
22 water vapor, which lasts a few days, not
23 hundreds to thousands of years as carbon does.
24 This undermines trust in the ability to rely on
25 the analogies and arguments made in the

1 proposed rule.

2 This rule relies on a questionable
3 assertion that adding a small number of
4 rigorously studied loops in the causal chain
5 weakens causality. Traditional air pollution
6 itself relies on a series of causal steps from
7 the release of the pollutant into the air, to a
8 person going outside, to that person breathing,
9 to the biological processes in the lungs that
10 create damage.

11 Like climate change, these pollutant
12 effects can be mitigated or adapted to at
13 various steps in the causal chain, yet they
14 assert, the rule asserts that such causality
15 arguments work for traditional pollutants but
16 not climate change. This rule's puzzling
17 assertions about causality undermine trust in
18 the logic of this decision.

19 This rule depends almost entirely on
20 the self citation of the Administration's own
21 report and lacks adequate citations from
22 independent science. It ignores U.S. national
23 climate assessments, Intergovernmental Panel on
24 Climate Change assessments, thousands of other
25 studies assessment reports, meta assessments

1 and community-based findings. Together with
2 the Fifth National Climate Change assessments,
3 deletion from the internet, this rule
4 undermines trust that the Administration was
5 sufficiently broad based and careful in their
6 review of the science.

7 This rule also jeopardizes the public
8 trust, as people see the yawning gap between
9 what they're seeing and feeling in their own
10 communities and the unduly minimized statements
11 in this report.

12 It further erodes the trust of civil
13 society organizations and our government to
14 follow the best available science and listen to
15 empirical analysis and without trust in the
16 government's wisdom, prudence, and duty to take
17 care the business case for investing in our
18 amazing country grows far weaker.

19 Finally, this rule undermines
20 international trust. Our global competitors
21 rely on propaganda. We can and must do better
22 than that. Thank you.

23 FACILITATOR PAM: Thank you for your
24 comment. Our next commenter is Emma Weibel.

25 MS. WEIBEL: Hello. My name is Emma

1 Weibel, and I am a 17 year old from San Diego,
2 California. I appreciate the opportunity to
3 testify today in strong opposition of the
4 Administration's attempts to repeal the EPA's
5 Endangerment Findings.

6 The Endangerment Findings are not a
7 statement of political opinion, they are a
8 statement of scientific fact. Thus, this
9 action by the Trump Administration is not a
10 policy decision, it is a deliberate attack
11 against truth that showcases the
12 Administration's disregard for the sanctity of
13 our democratic system.

14 There's simply no denying that climate
15 change is real. The fossil fuel industry's own
16 scientists knew it as early as the 1970s and it
17 is one of the biggest problems facing our world
18 today. Without working to actively fight it,
19 this Administration cannot claim to have the
20 best interest of Americans in mind. So let's
21 take a look at how this decision aligns with
22 the Trump Administration's priorities.

23 So you want to make America healthy
24 again. I dare the Administration to look at
25 the families of the 350,000 Americans whose

1 premature deaths in 2018 were linked to fossil
2 fuel related pollution and tell them that the
3 EPA isn't going to fight climate change.

4 So you want to protect children. The
5 biggest threat to children isn't drag queens,
6 hormone therapy, or vaccines, it is the more
7 extreme conditions and climate disasters from
8 emissions that they didn't cause and that will
9 impact the rest of their lives. Thus, I dare
10 the Administration to look at the families of
11 the 35 children who lost their lives in the
12 recent climate fueled flooding in Central Texas
13 and tell them that the EPA isn't going to fight
14 climate change.

15 So you want to cut government
16 spending. According to Bloomberg Law, the
17 current yearly cost of climate disasters nears
18 \$1 trillion per year, four times higher than
19 all of the spending cuts brought forth by the
20 Department of Government Efficiency since
21 inauguration.

22 I think it's time that this
23 Administration rethink its priorities and
24 actually take the action necessary to keep
25 Americans safe and healthy. Air pollution,

1 more wildfires, catastrophic torrential storms,
2 heat waves, food shortages, droughts, and more
3 disease, if this is what making America great
4 again entails, then we don't want it.

5 I hope the Trump Administration
6 reconsiders this dangerous, hypocritical and
7 unjust decision. You have heard from
8 professionals with years of relevant experience
9 about why this decision is so harmful, but at
10 17 I think it is my lack of life experience
11 that speaks the loudest. I, and all the other
12 young Americans who are watching as their
13 future is being sold to the highest bidder,
14 deserve to grow up with a safe and stable
15 climate, and we need the EPA to fight for us,
16 and we hope you can find the courage to do so.
17 Thank you for your time.

18 FACILITATOR PAM: Thank you for your
19 comment. Our next commenter is Jessica Santos.

20 MS. SANTOS: Hello. Can you hear me?

21 FACILITATOR PAM: Yes, we can, thank
22 you.

23 MS. SANTOS: All right, wonderful. My
24 name is Jessica Santos. I am a public health
25 professional, engineer, and nonprofit leader.

1 Thank you for the opportunity to speak today.

2 I strongly oppose the EPA's attempt to
3 revoke the Endangerment Finding, which has
4 provided the legal bedrock for protecting
5 public health and mitigating greenhouse gas
6 emissions. The science is quite clear.
7 Scientific consensus has affirmed that
8 greenhouse gases like carbon dioxide and
9 methane significantly contribute to climate
10 change. This impacts and amplifies extreme
11 weather events, including extreme heat,
12 wildfire, floods, and bad air pollution days,
13 all of which directly endanger public health in
14 the short term as well as in the long term.

15 The American Lung Association has
16 found that climate change-driven ozone
17 formation, wildfire smoke, and flooding have
18 direct and profound impacts on the respiratory
19 and cardiovascular health of Americans,
20 contributing to short-term health challenges,
21 such as asthma attacks, COPD episodes, and even
22 premature deaths.

23 Currently I'm based in southern
24 California and today we are experiencing what
25 is perhaps the third or fourth extreme heat

1 warning this summer. And when we have extreme
2 heat in our community, we have very, very poor
3 ozone. My community is surrounded by highways
4 and warehouses and I am acutely aware of the
5 role of the Endangerment Finding in setting
6 vehicle emission standards for all of the, both
7 light and heavy duty vehicles that surround
8 these streets.

9 I urge the EPA to pay attention to the
10 science and the public health benefits that
11 come from reducing vehicle emissions. This not
12 only will protect our communities living
13 directly in these areas, but will also benefit
14 people who aren't living near here, because
15 there will be lowered contributions of
16 greenhouse gases in the atmosphere.

17 I conclude that the EPA's proposed
18 rescinding is based on bad science, and that is
19 why I urge the EPA not to rescind the
20 Endangerment Finding, neither in whole nor in
21 part, and I call on the EPA to fulfill its
22 mandate to protect the environment and protect
23 the health of the American people. Thank you
24 for the opportunity to speak today.

25 FACILITATOR PAM: Thank you for your

1 comment. Our next commenter is Case Kuehn.
2 Okay, so I just sent you a note requesting that
3 you unmute.

4 MR. KUEHN: Sorry. Good morning and
5 lunch break is coming. My name is Case Kuehn,
6 I am the volunteer Chief Financial Advisor for
7 Climate Action Now.

8 The law is clear, in Massachusetts
9 versus the EPA the Supreme Court held that
10 greenhouse gases and air pollutants are air
11 pollutants under the Clean Air Act and the EPA
12 must regulate them when they endanger public
13 health or welfare. The 2009 Finding made that
14 determination after rigorous scientific review.
15 Repealing it would ignore both binding
16 precedent and scientific consensus.

17 The economics also favor keeping the
18 standards. As a finance professional, I focus
19 on risk and return. Vehicle efficiency
20 standards have consistently lowered costs for
21 drivers by reducing fuel use and maintenance
22 cost. Repeal would raise household expenses,
23 with the heaviest burden on working families
24 who already spend more of their income on
25 transportation.

1 Also capital markets account for
2 climate risk. Investors and insurers are
3 shifting money toward low emission technologies
4 because they see the risks, volatile fuel
5 prices, supply chain shocks and damages from
6 extreme weather. Policy reversals like this
7 one create uncertainty, raise the cost of
8 capital, and weaken U.S. competitiveness in
9 global markets that are moving forward, not
10 backward.

11 Finally, public health benefits are
12 real. Cleaner vehicles cut CO2, but also local
13 air pollutants that harm people living near
14 highways, those avoided medical costs and
15 productivity losses are meaningful economic
16 gains.

17 For these reasons, I urge the EPA to
18 withdraw this proposal, maintain the 2009
19 Endangerment Finding, and strengthen, not
20 weaken greenhouse gas vehicle standards. Thank
21 you for the opportunity to testify.

22 FACILITATOR PAM: Thank you for your
23 comment. So we're now at the end of our
24 morning session. EPA, are you ready to recess
25 for our scheduled lunch break?

1 MR. CHARMLEY: Yes, Pam, you can go
2 ahead and take a break now and start again at 1
3 p.m. Eastern time.

4 FACILITATOR PAM: Thank you for
5 confirming that. We're going to adjourn for a
6 lunch break. The virtual meeting room is going
7 to remain open, so please feel free to maintain
8 your connection, or you can rejoin a few
9 minutes early and we'll start promptly at 1
10 p.m. Eastern. Thank you.

11 (Whereupon, a lunch recess was taken.)

12 FACILITATOR ANN: Good afternoon. I'd
13 like to welcome you back to the U.S. EPA'S
14 virtual public hearing for the Reconsideration
15 of 2009 Endangerment Finding and greenhouse gas
16 vehicle standards. My name is Ann, I will
17 serve as your meeting facilitator for today's
18 hearing. We are now ready to resume the
19 hearing.

20 EPA, are you ready to continue? I'm
21 sorry, if you're speaking you might still be on
22 mute.

23 MR. OLECHIW: Hello, Ann. This is
24 Mike Olechiw, yes, we are ready to proceed.

25 FACILITATOR ANN: Thank you so much.

1 We will now continue our public testimony. The
2 speaking orders currently displayed on screen.
3 As a reminder, we ask that each person limit
4 their verbal testimony to two-and-a-half
5 minutes and speak slowly and clearly for the
6 benefit of the Court Reporter and Closed
7 Captioning Team.

8 Due to the large volume of registered
9 speakers and registrants already on the wait
10 list to provide an oral testimony during this
11 hearing, we will be strictly enforcing the
12 two-and-a-half minute time limit for each
13 speaker. Thank you in advance for your
14 cooperation to ensure we hear from as many
15 attendees as possible.

16 If you have additional comments that
17 you are not able to provide today, you can also
18 submit them through the docket at
19 www.regulations.gov using Docket ID,
20 EPA-HQ-OAR-2025-0194.

21 I will now begin calling on each
22 speaker one at a time in the order displayed on
23 the screen. Before I do that, I would like to
24 make a housekeeping reminder. In order to be
25 called upon to speak, you will see an invite

1 appear that is inviting you to be promoted to
2 panelists, please make sure that you are paying
3 attention to your screen, as we are working on
4 the current panel of 15. Our goal is to
5 promote that group of seven to panelists so
6 that you're ready to speak at the time that
7 you're called upon. Please do not turn on your
8 camera in advance of being called upon, we will
9 have to turn it off and that will require
10 turning it back on at the time for you to
11 speak.

12 I will apologize in advance if any
13 names are mispronounced. The next speaker will
14 be Attorney General Rob Bonta. Checking now,
15 Mr. Bonta, you were promoted to panelists so
16 you should have seen an invite, and I'm going
17 to resend and we'll come back to you.

18 Our next speaker will be Attorney
19 General Andrea Joy Campbell. Moving on to our
20 next speaker, Attorney General Keith Ellison.
21 And I do see that a panelist invite was
22 declined. Again, we can only call upon you to
23 speak once you've accepted the panelist
24 invitation so that we can turn on your mic.
25 Our next speaker will be Attorney General Kris

1 Mayes.

2 ATTORNEY GENERAL MAYES: Good morning.

3 FACILITATOR ANN: Good morning.

4 ATTORNEY GENERAL MAYES: Good morning.

5 I am Kris Mayes, Attorney General for the State
6 of Arizona, and I'm here to oppose the EPA's
7 misguided and unlawful proposal to rescind its
8 2009 Finding that greenhouse gas emissions from
9 motor vehicles endanger the health and welfare
10 of our communities.

11 The devastating impacts of climate
12 change on Arizonans have only become more acute
13 in the years since the EPA made its
14 Endangerment Finding.

15 North of where I am sitting, the Bravo
16 Fire, which destroyed a national treasure, the
17 Grand Canyon Lodge, continues to rage. It is
18 the largest wildfire now burning in the United
19 States. And just two weeks ago, temperatures
20 here in Phoenix reached 118 degrees. It was
21 the hottest August day ever recorded in
22 Phoenix. Over the last 20 years Arizona's
23 heat-related deaths have increased 10 fold,
24 with almost 1,000 people dying statewide in
25 2023 due to extreme heat exposure.

1 And, I don't need to tell you the
2 devastation that will befall the entire
3 southwestern United States should the drying
4 trends continue on the Colorado River. The
5 best available science tells us that Arizona's
6 hotter, drier conditions are being driven by
7 climate change.

8 Against this backdrop, as one climate
9 scientist put it, quote, to repeal the
10 Endangerment Finding now would be like a driver
11 who is speeding towards a cliff taking his foot
12 off the brake and instead pressing the
13 accelerator. The EPA's proposed repeal of the
14 Endangerment Finding is wrong on the science
15 and it is unlawful. The EPA has significant
16 authority to regulate greenhouse gas emissions
17 that endanger public health and welfare,
18 including from motor vehicles.

19 The EPA is obligated to consider the
20 costs of climate change by using rigorous,
21 peer-reviewed methods. Instead, the EPA is
22 proposing to bury its head in the sand and
23 ignore the mounting costs of climate change for
24 all Americans. The EPA must withdraw this
25 misguided and unlawful proposal to repeal the

1 Endangerment Finding, which will exacerbate
2 climate change and harm Arizonans. Thank you.

3 FACILITATOR ANN: Thank you for your
4 comments. I will ask in advance for your
5 patience as we call sometimes out of order as
6 panelists who were called upon appear ready to
7 speak.

8 I'm now calling upon Attorney General
9 Rob Bonta.

10 ATTORNEY GENERAL BONTA: Good morning.

11 FACILITATOR ANN: Good morning.

12 ATTORNEY GENERAL BONTA: Thank you for
13 having me. I'm Rob Bonta, Attorney General for
14 the State of California, and I'm grateful to be
15 here and appreciate the opportunity. Today I
16 join officials from California and across the
17 country in voicing our strong opposition to
18 EPA'S proposed repeal of its greenhouse gas
19 Endangerment Finding and standards for all
20 motor vehicles.

21 EPA cannot ignore decades of climate
22 science. Climate change is real, the science
23 is settled and stronger than ever. We already
24 see the impacts in California. Our state is
25 uniquely harmed by rising sea levels,

1 decreasing snow pack, increased mega floods,
2 and increasingly intense wildfires. In January
3 2025 California experienced two of the most
4 destructive fires in our state's history. As
5 average temperatures increase, so too have
6 extreme heat events, a leading cause of climate
7 related deaths in California.

8 Climate change poses an immediate and
9 escalating threat to California's environment,
10 public health, and economic vitality. EPA's
11 proposal work will exacerbate the significant
12 risk to public health and welfare posed by
13 climate change by increasing emissions of
14 climate destabilizing pollution from the
15 transportation sector, the nation's largest
16 source of greenhouse gas emissions.

17 EPA'S proposal is also unlawful. It
18 relies on a draft, unvetted, scientifically
19 unsound report from the Department of Energy to
20 attempt to override the abundant and growing
21 science supporting its Endangerment Finding and
22 Motor Vehicle GHG Emissions Standards for over
23 15 years. And, EPA has a statutory mandate to
24 regulate greenhouse gas emissions from
25 vehicles. Despite what EPA says in its

1 proposal, the technologies necessary to reduce
2 greenhouse gas emissions from new motor
3 vehicles exist and are already in use in the
4 market today. Just as the U.S. led the world
5 in creating the climate problem, we can now use
6 our scientific and technological edge to lead
7 the world in solving it.

8 Finally, this proposal is financially
9 irresponsible. Last year, according to EPA,
10 the most recent motor vehicle emission
11 standards, taken together, are expected to
12 provide nearly \$100 billion of annual net
13 benefits to society, including \$13 billion of
14 annual public health benefits due to improved
15 air quality, and \$62 billion in reduced
16 consumer costs for drivers. EPA's proposal
17 would instead lead to decreased American
18 investment in the technologies of the future,
19 decreased investment in new factories and jobs
20 into the U.S., surrendering its position as the
21 global leader in addressing climate change.

22 This federal Administration continues
23 to attack climate science and environmental
24 protection, but California will not stand down.
25 California is committed to combating the

1 climate crisis. We must all do our part. I
2 ask that you withdraw this proposal and fulfill
3 your duty to protect the American public.
4 Thank you for the opportunity.

5 FACILITATOR ANN: Thank you for your
6 comments. Our next speaker is Attorney General
7 Andrea Joy Campbell.

8 ATTORNEY GENERAL CAMPBELL: Thank you.
9 Good morning -- or, good afternoon. I am
10 Andrea Joy Campbell, the Attorney General of
11 the Commonwealth of Massachusetts, and I am
12 here to emphasize the Commonwealth's strong
13 opposition to this misguided and unlawful
14 proposal to rescind EPA's critical finding,
15 that greenhouse gas emissions for motor
16 vehicles endanger our communities.

17 To mitigate climate change impacts,
18 Massachusetts was at the forefront of the
19 Supreme Court's landmark decision in
20 Massachusetts versus EPA. That decision
21 ordered EPA to determine whether motor vehicle
22 greenhouse gas emissions endanger public health
23 and welfare. EPA spent years evaluating the
24 science and concluded what we all know to be
25 true, these emissions do cause climate change

1 and endanger our health and our welfare. EPA's
2 rush proposal seeks to eliminate that finding
3 in all motor vehicle greenhouse gas emission
4 standards in one fell swoop.

5 Allow me to outline just three of the
6 major of the many major flaws in this proposal.

7 First, the proposal is wrong on the
8 law. EPA proposes to deny the authority to
9 regulate motor vehicle greenhouse gas
10 emissions, but the Supreme Court made clear
11 that EPA has significant authority to regulate
12 these admissions that endanger public health
13 and welfare, including for motor vehicles.
14 Transportation is the largest source of
15 greenhouse gas emissions in the United States,
16 and the Clean Air Act gives EPA significant
17 authority to tackle the threat of climate
18 change by addressing this harmful pollution.

19 Second, the proposal is wrong on the
20 science. EPA now claims that science is on --
21 that the science is uncertain on climate
22 change. It is not. In fact, the science is
23 clearer than ever. Motor vehicle greenhouse
24 gas emissions contribute to climate change and
25 climate change seriously endangers all of us.

1 EPA ignores this and instead relies on an
2 unfinished draft of a flawed report from the
3 Department of Energy.

4 Third, the proposal absolutely
5 unlawfully ignores the massive cost of climate
6 change. As a result its incorrect legal
7 theories, EPA claims that it can't consider the
8 harms of climate change, harms that burden the
9 lives of Americans every single day.

10 Let me be clear, climate change is
11 here, it's harming families and communities all
12 across the Commonwealth. Hundreds of wildfires
13 tore through our state last year. This month,
14 smoke from Canadian wildfires blanketed
15 Massachusetts with dangerous pollutants.
16 Massive storms have flooded our communities and
17 devastated our farms. It is for these reasons
18 and more that EPA needs to withdraw this
19 misguided and unlawful proposal. It is your
20 job to protect the American people from climate
21 change. Rescission of federal Motor Vehicle
22 Emission Standards would undoubtedly harm and
23 worsen climate change impacts for all of us.
24 Thank you.

25 FACILITATOR ANN: Thank you for your

1 comments. Our next speaker will be Barbara
2 Brandom.

3 MS. BRANDOM: Thank you very much. My
4 name is Barbara W. Brandom. I have many
5 reasons to want to -- want the Endangerment
6 Finding to be upheld. Most motivating is that
7 I'm a grandparent, we need clean air, clean
8 water in a stable climate without increasing
9 heat. We have to have it without increasing
10 heat to allow our children a chance to thrive.

11 I want to thank all the previous
12 speakers, because they've been very articulate
13 and described a lot of important points about
14 why the Endangerment Finding must continue and
15 be strengthened. I, as a retired physician and
16 a person with healthcare training, affiliated
17 with the Concerned Health Professionals of
18 Pennsylvania, among the many groups that I
19 follow trying to deal with this terrible
20 problem of climate change. I've lived in
21 southwestern Pennsylvania since 1976. I worked
22 at tertiary care pediatric hospital for 35
23 years. Pediatric ENT patients were the largest
24 group of patients, because the air pollution in
25 Pittsburgh produces upper airway inflammation

1 and disease in the middle ear for many
2 children, including my own.

3 I won't talk about asthma because
4 other people haven't talked about it very well.
5 I'd only add damage to lungs produced by ozone
6 is not reversible. We may deny that we have
7 been hurt, but over years epidemiology clearly
8 shows that those living with air pollution are
9 more susceptible to respiratory tract
10 infections and chronic diseases.

11 I must add that unpredictable weather
12 events due to increased air temperature are
13 occurring more frequently. We had a microburst
14 at a popular resort nearby just recently, a lot
15 of people were rescued from the rising water.
16 Trees crashed, flash flooding occurred. This
17 is the third microburst tornado that I have
18 experienced since April in southwestern
19 Pennsylvania. This used to never happen.
20 These are life threatening events. And if a
21 storm takes out electricity during a heat dome,
22 more people will die from heat exposure.

23 I'm running out of time, so I will
24 have to send in many of my comments. I'll just
25 add to very quickly. There are chronic

1 diseases formed by vectors that are increasing
2 in their scope. And working in the heat can
3 produce a chronic renal disease, this is newly
4 described, but not the least bit surprising, as
5 a result of people who work in the heat damage
6 their muscles don't get enough rest and water
7 during a work shift.

8 Thank you very much for allowing me to
9 speak today and I'll send the rest of my
10 comments in the docket.

11 FACILITATOR ANN: Thank you. Our next
12 speaker is Attorney General Keith Ellison.

13 ATTORNEY GENERAL ELLISON: Hello. My
14 name is Keith Ellison, and I'm the Attorney
15 General for the State of Minnesota.

16 In 2009 the Environmental Protection
17 Agency reached a critical scientific conclusion
18 that greenhouse gases, like carbon dioxide and
19 methane, endanger public health and welfare.
20 That finding has been the bedrock for carbon
21 regulation across our nation, from our vehicles
22 to our power plants to methane sources. Last
23 month the EPA proposed a rollback, signaling a
24 retreat that will have grave consequences,
25 unless stopped.

1 What does this mean? Without the
2 Endangerment Finding the EPA loses its legal
3 authority under the Clean Air Act Section
4 202(a) to regulate greenhouse gas emissions.
5 This move would wipe out standards for vehicles
6 from model years 2012 to 2027 and beyond. We
7 could see an end to measurement, reporting, and
8 control obligations, unraveling of years of
9 progress.

10 This is not just about cars, though.
11 It's a foundational shift. The finding
12 underlies methane regulations, power plants,
13 hydrofluorocarbon phase downs, aviation
14 emissions rules, and more. Its repeal is like
15 removing a keystone from the arch of the
16 climate policy.

17 Minnesota is a state of clean air,
18 clean lakes, and a proud history of
19 environmental stewardship, and our state simply
20 can't afford to roll back our climate progress.
21 Neither can our nation. We need to maintain
22 the highest possible standard, in part so we
23 can call on others in the international
24 community to do the same.

25 For Minnesota, the EPA's proposed

1 dismissal of the Endangerment Finding means
2 that our communities will face more climate
3 threats, intensifying wildfires, worsening
4 flood risks, degrading air quality, with
5 corresponding public health burdens, like
6 asthma, respiratory illness, and heat-related
7 harm. Right now our state is experiencing a
8 rapidly changing climate that will continue to
9 change for the foreseeable future.
10 Temperatures are increasing, especially in
11 winter, and we're experiencing more frequent
12 extreme precipitation events, substantial
13 warming during winter and at night, increased
14 precipitation, and heavier downpours have
15 already affected our natural resources and how
16 we interact with them. These effects will only
17 increase as decades move forward.

18 In the last five years, the frequency
19 of billion dollar disasters in Minnesota has
20 increased significantly. Over the past four
21 decades, Minnesota has averaged \$1.4 billion in
22 weather and climate disasters per year. But
23 just since 2020, that average has more than
24 tripled to \$4.6 billion annually. Our
25 businesses and local economies feel the cost,

1 too.

2 Along with growing uncertainty, this
3 decision means that Minnesota's energy,
4 transportation, agriculture, manufacturing
5 sectors won't know what to plan for or what
6 investments to make. Our cities and towns
7 won't know how best to protect the next
8 generation of Minnesotans.

9 This decision would represent a legal
10 and scientific retreat that undermines decades
11 of work to curb emissions. The EPA's proposal
12 is wrong on the law. The Supreme Court has
13 made it clear that EPA has significant
14 authority to regulate greenhouse gas emissions
15 that endanger public health and welfare. It's
16 wrong on the science. The science is not
17 uncertain, as EPA claims, and it ignores the
18 massive cost of climate change. Economists
19 warn that the long-term damage could amount to
20 trillions of dollars.

21 Minnesota will always protect our
22 communities through state level rules and plans
23 protecting air, water, and climate, but we need
24 a federal partner. We need a partner. Losing
25 the Endangerment Finding means losing a key

1 tool in making a robust argument for climate
2 responsibility and protecting our citizens.

3 Friends, this moment demands clarity
4 and courage. The rollback of the Endangerment
5 Finding is more than a bureaucratic trimming,
6 it is a retreat from responsibility. But in
7 Minnesota, we are resilient. We believe in
8 science, justice, and protecting our home. Let
9 us speak with one voice, demand wise policy,
10 defend our children's health, and recommit to
11 the promise of a sustainable future for all
12 Minnesotans and all Americans. Thank you.

13 FACILITATOR ANN: Thank you for your
14 comments. Our next speaker is Attorney General
15 Dana Nessel. I see that you're in the panelist
16 group, but I'm -- you're not off mute. Thank
17 you.

18 ATTORNEY GENERAL NESSEL: Sorry about
19 that. I'm sorry, I'm having some technical
20 difficulties.

21 FACILITATOR ANN: You're coming
22 through clearly.

23 ATTORNEY GENERAL NESSEL: All right.
24 Thanks. Good afternoon. I'm Dana Nessel,
25 Attorney General of the great State of

1 Michigan, and I appear before you today to
2 strenuously oppose the U.S. Environmental
3 Protection Agency's unlawful and ill-conceived
4 proposal to rescind its 2009 Greenhouse Gas
5 Endangerment Finding.

6 In 2009 the EPA determined that
7 greenhouse gas pollutants present a very clear
8 and immediate danger to our environment,
9 economy, and to the world. This finding was
10 supported by years of due diligence to evaluate
11 the scientific consensus. This proposed
12 rulemaking suggests we allow the federal
13 government to ignore its own scientific
14 determinations and abdicate their legal duty to
15 take action, and this simply cannot stand.

16 No state is safe from the threats
17 posed by climate change and the pollutants that
18 are causing it. Michigan is acutely feeling
19 the growing and accelerating perils of a
20 warming world. Like so many other states, we
21 are experiencing hotter seasons, more rapidly
22 changing temperatures, increasingly frequent
23 and intense storms, flooding, droughts, and
24 more, all of which put the physical safety and
25 economic well-being of our communities and

1 residents in very real jeopardy.

2 Michigan is famous for our cherries,
3 for example. But in 2024, our farmers lost 75
4 percent of their harvest, by some estimates, a
5 trend that began years ago and is projected to
6 continue as climate change impacts worsen.
7 Climate change-driven temperatures increases
8 mean more droughts and more pests that survive
9 the winter, both of which make it harder for
10 our farmers to make living and to produce a
11 crop that has been historic part of Michigan's
12 identity.

13 Rising winter temperatures also mean
14 our seasonal businesses that rely on
15 predictable snow and ice formation are
16 struggling to survive, and this has devastating
17 implications for individual's livelihoods and
18 the Greater Michigan economy, where winter
19 recreation alone brings in more than \$3 billion
20 each year.

21 Beyond the economy, climate change
22 poses a serious and immediate risk to our
23 residents' health. Canadian wildfires, which
24 are exacerbated by climate change, have caused
25 more than 20 days of air quality advisories

1 this summer. These bad air days are harmful to
2 all Michiganders with children, pregnant
3 people, and those with preexisting heart and
4 lung conditions being especially vulnerable.
5 This is happening not 5, 10, or 20 years from
6 now, it's happening right now.

7 The EPA's decision means the agency
8 will abandon its responsibilities to protect
9 all of us from the dangers posed by greenhouse
10 gases. Furthermore, the justification to do so
11 is legally incorrect, scientifically unsound,
12 and lacking in common sense. EPA now claims
13 that the science has grown uncertain, but every
14 year the scientific evidence only gets more
15 conclusive that human activities, including the
16 release of the greenhouse gases, are affecting
17 our climate. Constant regulatory chaos and
18 uncertainty isn't just bad for the environment,
19 it's bad for businesses and everyday
20 Michiganders who rely on the EPA to do its job
21 implementing and enforcing the Clean Air Act.

22 With this proposed rescission, the EPA
23 shows it is strayed from its mandate to protect
24 the health and welfare of the American people
25 in order to uplift an aging and out of touch

1 fossil fuel industry. Thank you.

2 FACILITATOR ANN: Thank you for your
3 comments. Our next speaker is Anita Barkin.

4 MS. BARKIN: I can't seem to get the
5 camera, the video to come up.

6 FACILITATOR ANN: I just sent a
7 message to turn on your video start.

8 MS. BARKIN: There we go. Hello.
9 Okay. Thank you for the opportunity to
10 testify. My name is Anita Barkin. I live in
11 Macon, Georgia. I'm a nurse practitioner and a
12 public health professional with over 40 years
13 experience in the field. I'm here today to
14 express my strong opposition to EPA's absurd
15 proposal to roll back the Endangerment Finding.

16 The Endangerment Finding concludes
17 that climate change endangers public health and
18 welfare for current and future generations. I
19 can endorse that statement as an eyewitness to
20 the impacts of extreme weather on current
21 residents in middle Georgia. We are already
22 dealing with the devastating impacts of
23 climate, including extreme heat, tornadoes, and
24 hurricanes. The cost to human life and the
25 cost to local economies is a reality for those

1 of us who have dealt with this aftermath. The
2 public and personal healthcare costs resulting
3 from these environmental damages will continue
4 to skyrocket unless the causes of extreme
5 weather are addressed.

6 As a healthcare provider, I can
7 already see the impact of extreme heat and air
8 pollution on people with heart and lung
9 disease, diabetes, and asthma. If you have
10 cancer or another serious medical condition,
11 you feel worse when heat, humidity, and air
12 pollution are in play.

13 Although outdoor exercise is a strong
14 recommendation for general health, we must now
15 warn our patients not to go outdoors for
16 exercise if air quality is poor and
17 temperatures are high. Many people we see in a
18 medical office cannot afford to join an indoor
19 recreation facility or gym.

20 I'm testifying because I've seen
21 patients suffer from the consequences of
22 extreme weather and air pollution. I have been
23 part of the public health response to
24 hurricanes that hit the coast of Georgia,
25 resulting in displacement of young families,

1 seniors, pregnant women, and the disabled.

2 I'm testifying against the rollback
3 because my daughter and granddaughter both have
4 asthma that's worsened by poor environmental
5 conditions. My family is fortunate, because we
6 can take refuge from the heat in our air
7 conditioned homes, but for many of the patients
8 I've seen, air conditioning is a luxury they
9 cannot afford.

10 The EPA's proposed rollback is
11 incredibly harmful because the Endangerment
12 Finding is the protection required to address
13 the environmental conditions that can make us
14 ill. I urge you to retract this proposed
15 rollback. The EPA needs to step up, not step
16 back, and protect the health and well-being of
17 the American people. The beauty is that this
18 is cost effective in the short run and the long
19 run. Thank you again for allowing me to
20 testify on this important issue.

21 FACILITATOR ANN: Thank you. Our next
22 speaker is, and please forgive
23 mispronunciation, Susan Racine.

24 DR. RACINE: Thank you so much for the
25 opportunity to testify. I'm Dr. Susan Racine,

1 I'm a Board Certified Internal Medicine
2 Physician in Boston, Massachusetts. I'm also
3 co-chair of Greater Boston Physicians for
4 Social Responsibility, I'm here today to voice
5 my strong opposition to the EPA's proposed
6 rollback of the Endangerment Finding.

7 The Endangerment Finding concludes, on
8 the basis of thousands of peer-reviewed, high
9 quality studies that climate change endangers
10 the public health and welfare of this country.
11 To roll back the Endangerment Finding is to
12 commit a moral crime against humanity. Climate
13 change caused by man-made greenhouse gas
14 emissions is causing suffering and death
15 through intense heat waves, wildfires, extreme
16 storms, droughts, floods, and increased
17 infectious diseases transmitted by ticks and
18 mosquitoes.

19 The heat alone is deadly. The
20 frequency, duration, and intensity of heat
21 waves in the United States has increased in
22 recent decades. Deaths due to heat-related
23 illness have risen concurrently. According to
24 the CDC, there were 297 deaths from excess heat
25 in 2004. In 2018 there were 1,008, and in 2021

1 there were 1600, a 59 percent increase from
2 four years earlier. And in 2022 it rose to
3 1,714 and in 2023 it was 2,035. And these are
4 probably drastic underestimates of death due to
5 heat, since excess heat contributes to acute
6 cardiovascular, respiratory, renal, and
7 cerebral vascular disease that aren't
8 categorized as heat-related deaths.

9 A study done by Vicedo-Cabrera
10 published in National Climate Change in 2021
11 showed that more than one-third of heat-related
12 deaths in the period of from 1991 through 2018
13 across 43 countries, including the U.S., were
14 attributable to anthropogenic greenhouse gas
15 emissions.

16 And personally, climate change has
17 affected me. I have seen it harm people close
18 to me. A member of my church as a climate
19 refugee, having had her life in New Orleans
20 destroyed by Hurricane Katrina. My brother
21 lost his brother-in-law due to a tragic
22 accident caused by Super Storm Sandy. Close
23 friends lost their entire neighborhood in
24 Altadena due to the raging wildfires this year.
25 Their house was the only house in their street

1 that didn't get completely destroyed, but
2 they're still having to live in a rented
3 apartment because of the cleanup that's still
4 continuing. My relatives in southern
5 California have had to evacuate their home more
6 than once due to the threat of wildfires.

7 FACILITATOR ANN: Thank you your time.
8 Please feel free to submit your comments
9 online, we have that information in the chat
10 for you.

11 MS. RACINE: Thank you.

12 FACILITATOR ANN: Our next speaker is
13 Dorothy Barnett.

14 MS. BARNETT: Hello. Can you hear me?

15 FACILITATOR ANN: Yes.

16 MS. BARNETT: Hello. My name is
17 Dorothy Barnett, and I am the Executive
18 Director of the Climate and Energy Project, a
19 nonprofit based in Kansas that works to advance
20 clean energy solutions for the benefit of our
21 environment and our economy.

22 I am here today to urge the EPA not to
23 move forward with its proposed Reconsideration
24 of the 2009 Endangerment Finding and the
25 related greenhouse gas vehicle standards. This

1 finding upheld by the courts, is based on a
2 fundamental scientific truth, greenhouse gas
3 pollution endangers public health and welfare.
4 For Kansans, this isn't an abstract contract
5 concept, it is our lived reality. The impacts
6 are visible across our state, from our
7 farmlands to our cities.

8 In Kansas, climate change means more
9 frequent and severe droughts. In 2023 nearly
10 two thirds of our state's wheat crop was
11 affected by extreme drought, leading to the
12 highest rate of crop abandonment since 1951.
13 This isn't just a loss for our farmers, it's a
14 direct threat to our state's economy, which is
15 built on agriculture. It is also a threat to
16 global food security.

17 Beyond our fields, climate change
18 threatens our most vital resource, water. The
19 Ogallala Aquifer, a primary source of water for
20 irrigation and communities in western Kansas,
21 is being depleted at an alarming rate. Warmer
22 temperatures and increased evaporation make
23 this problem worse, forcing farmers to pull
24 more water from a shrinking resource.
25 Meanwhile, in eastern Kansas, we're seeing more

1 intense rainfalls and flooding, which threatens
2 homes, infrastructure, and public health.

3 The EPA's 2009 finding was a crucial
4 step in giving the agency the authority to
5 address these very issues. By regulating
6 greenhouse gas emissions from vehicles, we are
7 tackling one of the largest sources of
8 pollution. Rolling back these standards would
9 undermine the progress and directly harm the
10 people of Kansas and other Heartland states.

11 For us, a strong economy and a healthy
12 environment are not competing ideas, they are
13 one and the same. The transition to a clean
14 energy economy is creating jobs and a stable
15 climate is what protects our agriculture, our
16 water, and our way of life. I implore you,
17 Administrator Zeldin, to listen to the science,
18 to listen to the voices on the ground, and to
19 uphold the 2009 Endangerment Finding, our
20 future depends on it. Thank you.

21 FACILITATOR ANN: Thank you for your
22 comments. Our next speaker is Ulla Reeves.

23 MS. REEVES: Thank you. My name is
24 Ulla Reeves. I am the Clean Air Program
25 Director for National Parks Conservation

1 Association.

2 NPCA is one of our nation's oldest
3 organizations working to protect and preserve
4 America's national parks, from treasured big
5 landscape parks to the many sites that are home
6 to our nation's rich natural and cultural
7 heritage. We have over 1.6 million members and
8 supporters. We work to defend National Parks
9 from the myriad ways that human activity harms
10 them, including climate change, which is the
11 most existential threat to our national parks.
12 If national parks are America's best idea ever,
13 this proposal might be America's worst idea
14 ever.

15 We are deeply disappointed by EPA's
16 proposed rulemaking before us today, and we
17 strongly oppose these two rules being jammed
18 together. This is a terrible practice that
19 denies adequate public engagement on matters
20 that are deeply consequential to all Americans
21 and the environments we are trying to protect.

22 Climate change is causing devastating
23 impacts on our national parks. My colleague
24 will speak more on this later.

25 Revoking the U.S. plans to make

1 vehicle tailpipes cleaner and gutting progress
2 to reduce vehicle climate emissions is truly
3 unconscionable. EPA's own data shows that all
4 on road vehicles combined emit over 1.6
5 trillion tons of carbon dioxide annually, an
6 astounding number, and clear evidence that
7 cleaner, more efficient vehicles are absolutely
8 essential for the United States to make
9 progress in tackling climate change.

10 We recently studied vehicle pollution
11 relating to our national parks. We found that
12 261 parks out of 433, over 60 percent are
13 located in counties with high levels of vehicle
14 air and climate emissions. And counties that
15 are home to national parks account for 20
16 percent of the nation's total on road vehicle
17 emissions, causing significant direct and
18 indirect problems for them from air pollution
19 and climate change national parks, like Joshua
20 Tree, Saguaro, Grand Canyon, Everglades, Mount
21 Rainier, Indiana Dunes, Great Smoky Mountains,
22 and Rocky Mountains are all disproportionately
23 affected by urban air pollution stemming from
24 vehicles. In southern California alone
25 vehicles emitted 97 million tons of CO2 in

1 2020.

2 Rolling back the Clean Vehicle
3 Standards would let more than 8 billion tons of
4 additional climate pollution be emitted by
5 2055. National Parks cannot afford for
6 tailpipe air and climate pollution to continue
7 unchecked. EPA must withdraw this terrible
8 plan and make good on your mission to protect
9 people and the environment by reducing climate
10 pollution from vehicles.

11 FACILITATOR ANN: Thank you for your
12 comments. Our next speaker will be Whitney
13 Wright.

14 MS. WRIGHT: Hi, I'm Whitney Wright.
15 I'm calling in from Fort Wayne, Indiana. I'm
16 attending today to speak in opposition to the
17 EPA's proposal to repeal the Endangerment
18 Finding and greenhouse gas standards for
19 vehicles.

20 Climate change directly affects all of
21 us, but for me it is vital to my mental health
22 to be able to spend time outdoors, that I am
23 happy, healthy, and productive, and the extreme
24 temperatures have made it increasingly
25 insufferable to be outside. Even when the

1 temperature is even-keeled, the air quality due
2 to wildfires and other sources of pollution is
3 sometimes so poor that it is unsafe to even be
4 outside.

5 Even with the Endangerment Finding
6 currently in place, transportation is the
7 largest contributor to the greenhouse gas
8 emissions, the majority of these emissions
9 coming from cars and trucks. In fact, using
10 the EPA's greenhouse gas inventory data
11 explorer, carbon dioxide from fossil fuel
12 combustion has risen by 19.2 percent from 1990
13 to 2022.

14 Additionally, people living within 320
15 feet of a major roadway face a 42 percent
16 higher risk of ischemic stroke compared to
17 those living more than 1300 feet away.

18 Air pollution is the second highest
19 risk factor for noncommunicable diseases and
20 has been linked to oxidative stress and
21 inflammation in human cells, processes that can
22 contribute to the development of chronic
23 diseases and cancer. The people most at risk
24 of health problems due to air pollution are
25 children, pregnant individuals and their

1 fetuses, and the elderly. Repealing the
2 Endangerment Finding and greenhouse gas
3 emission standards for vehicles directly
4 contributes to the negative impact of the
5 health of these individuals and others.

6 A repeal is not only putting polluters
7 above the health of Americans, it is untested
8 and unscientific. The proposed repeal is a
9 report drafted by a small group of individuals
10 who deny climate change, while the
11 congressionally mandated National Climate
12 Assessment incorporates the expertise of over
13 400 scientists and has consistently found that
14 greenhouse gas emissions are accelerating
15 climate change. We should be listening to what
16 hundreds of scientists have been saying for
17 years and protect the health of Americans by
18 not repealing the Endangerment Finding. Thank
19 you.

20 FACILITATOR ANN: Thank you for your
21 comments. Our next speaker is Lauren Kim.

22 MS. KIM: Thank you. My name is
23 Lauren Kim, and I'm a spokeswoman for Young
24 Evangelicals for Climate Action. YECA is a
25 national initiative with advocates across the

1 United States, committed to bold and faithful
2 environmental advocacy in religious, political,
3 and young adult groups. Today we are opposed
4 to a potential rollback on bipartisan common
5 sense efforts.

6 As an Evangelical Christian
7 organization, we're committed to defending all
8 life, and I ask the Environmental Protection
9 Agency not to repeal the Endangerment Finding
10 and greenhouse gas standards for vehicles. It
11 is important that the EPA not abandon its
12 responsibility to protect human health from
13 climate fueled harms, because maintaining the
14 Endangerment Finding will impact those living
15 in coastal areas, in the American South the
16 most.

17 Last year, 2024, was the world's
18 hottest year on record. This meant dangerous
19 conditions for Americans across the country,
20 including a record breaking 143 straight days
21 of over 100 degree heat in Phoenix, Arizona.
22 Additionally, communities across the country
23 are still reeling from catastrophic climate
24 disasters, like flash flood in Texas, where I'm
25 from.

1 Unchecked greenhouse gas emissions
2 fuels a warming climate that will continue to
3 make, one, extreme weather more frequent, and,
4 two, increase the spread of vector-borne
5 diseases like Lyme disease.

6 Rolling back the vehicle pollution
7 standard would expose American families to
8 significantly more air pollution than vehicle
9 exhaust, worsening the risks of asthma, lung
10 and heart disease, and cancer. Motor vehicles
11 are proven to be the leading source of cancer
12 causing air pollutants, which can be especially
13 dangerous for the 72 million Americans who live
14 in nearby major trucking routes and children,
15 both born and unborn.

16 YECA has worked tirelessly in the last
17 two decades to assert that all life is valuable
18 and a clean environment is a critical piece of
19 human flourishing, that is why we are deeply
20 concerned about the EPA's proposed rollback.
21 EPA must not abandon its duty to the American
22 people. To protect our communities from
23 climate warming, greenhouse gas pollution, the
24 Endangerment Finding and greenhouse gas vehicle
25 standards must remain in place. We urge the

1 EPA to consider the lives and livelihoods of
2 young Americans whom we represent. Thank you.

3 FACILITATOR ANN: Thank you for your
4 comments. Our next speaker is, and please
5 forgive any mispronunciation, Oscar Hauptman.

6 MR. HAUPTMAN: Hello. My name is
7 Oscar Hauptman. I live in Livingston County,
8 Michigan. I'm a student and I'm here today as
9 a kid who just wants to grow up healthy and
10 safe in a world where the air is clean and the
11 future feels safe. I am speaking today because
12 I strongly oppose the EPA's proposal to roll
13 back the Endangerment Finding and the limits on
14 greenhouse gas pollution from cars and trucks.

15 The Endangerment Finding is based on
16 science, it recognizes that greenhouse gases
17 endanger our health and our future. This
18 decision gives the EPA the power to act on the
19 pollution that's driving climate change, making
20 extreme weather worse and harming families like
21 mine. We cannot afford to weaken or take away
22 these protections.

23 A couple of summers ago, and again
24 this year, Michigan had the worst air quality
25 in the world because of the wildfires in

1 Canada. In Livingston County sky turned gray
2 with smoke. We were told to stay, to stay
3 inside. But even inside, I couldn't escape it.
4 I have asthma and that day I couldn't breathe,
5 my chest was tight, I was gasping, and I had to
6 be rushed to the urgent rush to urgent care.
7 I'll never forget how scary that was, trying to
8 breathe, not being able to. No kids should
9 have to go through that.

10 Greenhouse gas pollution is making our
11 planet hotter, that makes wildfires like the
12 ones that sent me to urgent care worse and more
13 common. And it's not just wildfires in
14 Michigan and across the country. We've had
15 huge storms, floods, and tornadoes. Even this
16 past spring, families are losing homes, roads
17 are being washed away, and kids like me are
18 scared about what the future is going to look
19 like if this keeps happening.

20 This is not something far away or in
21 the future, it's happening now. I've lived it,
22 millions of kids are living it and the science
23 tells us why, greenhouse gas pollution.

24 So today I'm asking you, not just as a
25 student, but as a kid who wants to breathe,

1 play outside and grow up without fear, please
2 don't take away the endangering finding.
3 Please protect kids like me. Thank you.

4 FACILITATOR ANN: Thank you for your
5 comments. Our next speaker is Andrew Hauptman.

6 MR. HAUPTMAN: Hi. My name is Andrew
7 Hauptman, I live in Livingston County,
8 Michigan, with my wife and my son. I'm here as
9 a father and an architect who wants nothing
10 more than for my child to grow up healthy,
11 safe, and able to enjoy the simple things, like
12 breathing clean air and playing outside without
13 worry.

14 I'm strongly opposed to EPA's proposal
15 to rescind the Endangerment Finding and the
16 limits on greenhouse gas pollution from motor
17 vehicles. The Endangerment Finding is a
18 science-based determination that greenhouse
19 gases endanger public health and welfare. This
20 is the foundation the EPA needs to reduce the
21 pollution that fuels climate change, drives
22 extreme weather, and harms families like mine.
23 Weakening or abandoning it would be a dangerous
24 step backward.

25 Two summers ago, and again this year,

1 Michigan made headlines for having some of the
2 worst air quality in the world because of the
3 Canadian wildfires. In Livingston County, our
4 skies were filled with smoke. We were told to
5 shelter indoors, but for families like mine,
6 that wasn't enough. Our son has asthma, as on
7 one of those days he couldn't catch his breath,
8 we had to rush into the urgent care and as a
9 father, I'll never forget the look in his eyes
10 as he struggled to breathe, or the helplessness
11 I felt knowing that I couldn't protect him from
12 something as basic as the air. No parent
13 should ever have to watch their child fight for
14 breath.

15 Greenhouse gas pollution is making our
16 world hotter and that means more wildfires,
17 like the ones that sicken my son. And it's not
18 just fires, here in Michigan we faced record
19 breaking storms, floods, and tornadoes, 30 this
20 year. Families are losing homes, roads are
21 crumbling, and children are growing up in fear
22 of what tomorrow might bring. This is not
23 theoretical, this is our reality. Michiganders
24 and millions of families across the country are
25 living it too.

1 The science is clear and the stakes
2 could not be higher. So today I'm asking you,
3 parent to parent, father to public servant, do
4 not walk away from the Endangerment Finding,
5 protect it, protect our kids. Thank you.

6 FACILITATOR ANN: Thank you for your
7 comments. As a reminder, please be sure to
8 check your screen. If your name appears now
9 for the current panel or the next panel, we are
10 in the process of promoting you to panelists,
11 you will see an invite appear on your screen.
12 We are waiting for a few participants to
13 respond, so please let us know in the chat if
14 you need assistance.

15 Our next speaker is Zachary Handler.

16 MR. HANDLER: Can you see me?

17 FACILITATOR ANN: Yes.

18 MR. HANDLER: Okay. Thank you.

19 Hello. My name is Zachary Handler, I am
20 speaking in my individual capacity as a
21 survivor of the Palisades fire to oppose EPA's
22 move to rescind the Endangerment Finding.

23 My parents moved to 17853 Porto Marina
24 Way, Pacific Palisades in 1996, only one year
25 before I was born. I spent my entire childhood

1 in that house. Today, it's gone, only rubble
2 and toxic wastes remain.

3 Scientists have told us fairly
4 conclusively that anthropogenic climate change
5 was a major cause of the Palisades fire. I can
6 tell you personally that the conditions were
7 like nothing we'd ever seen before. I was
8 there on January 7th visiting my parents during
9 my winter break from law school. Let me tell
10 you, that day was unprecedented. Fire season
11 didn't used to happen in January. More than
12 that, we never had such strong winds as we had
13 that day. Right after the fire started I saw
14 the firefighting planes fly over my house, but
15 they had to turn back because the winds were so
16 strong.

17 My family already lost my childhood
18 home because of fossil fuels and climate
19 change. How can EPA purport to have reversed
20 the Endangerment Finding when our lives were
21 already endangered and our home destroyed? I
22 urge EPA to not reverse the Endangerment
23 Finding. Repealing the Endangerment Finding
24 would be a slap in the face to myself and to
25 millions of Americans who have already

1 experienced the dangers of climate change.

2 Thank you for your time.

3 FACILITATOR ANN: Thank you for your
4 comments. Our next speaker will be Alice
5 Freund.

6 MS. FREUND: Okay. Can you hear me?

7 FACILITATOR ANN: Yes.

8 MS. FREUND: Thank you. I, Alice
9 Freund, am a member of many environmental
10 organizations, including Third Act, but I'm
11 speaking today as an individual environmental
12 scientist.

13 We should maintain the Endangerment
14 Findings, because greenhouse gases endanger our
15 health, our education, our economy and our
16 moral stature and trust on the world stage.
17 For lack of time, I'll go into the health
18 effects in my written comments.

19 Climate change affects education by
20 causing school closings, absenteeism, illness
21 at school, and even poor grades. Climate
22 change is costly in 1980 national \$1 billion
23 events, climate disaster events, started at
24 three events per year in the early '80s and are
25 now averaging over 20 events per year in the

1 2020s. The highest numbers are in the last two
2 years, almost a tenfold increase from 1980.
3 And the cost went from an average of \$19
4 billion in the early 1980s to \$149 billion in
5 the 2020s.

6 Reducing greenhouse gas emissions can
7 boost vehicle sales, standards for
8 manufacturers to use recycled materials and
9 build more efficient engines. Shifting to
10 electric vehicles will produce less carbon
11 emissions than internal combustion engines, and
12 even considering supply chain emissions. This
13 would make our vehicles more desirable, as
14 other countries are demanding more sustainable
15 manufacturing processes and lower emissions in
16 their vehicles. A 2025 report found that zero
17 emission EVs are capturing an increasing and
18 significant portion of the overall vehicle
19 sales in various markets and across different
20 types of vehicles, including light, medium and
21 heavy duty vehicles.

22 It has been reported, and it is being
23 investigated, that our President allegedly
24 promised some of the country's top oil
25 executives that he would rescind environmental

1 rules in exchange for raising \$1 billion for
2 his campaign. If that is true, you, the EPA,
3 shouldn't have to carry it out. I hope you can
4 and will do the right thing. Challenge what
5 you read in DOE's criticized climate report
6 that is part of this proposal.

7 Believe me, by upholding science you
8 will sleep better knowing you did something
9 very critical to preserve our planet and our
10 country in the long run.

11 In summary, by stepping back into the
12 past to please the fossil fuel giants, we will
13 lose jobs, lose our health and lives, lose our
14 respect among nations, and lose our
15 manufacturing advantage and jobs while the rest
16 of the world rapidly and successfully
17 transitions to a renewable energy economy. We
18 will not be great again if we do not look
19 forward. Please rescind the Endangerment
20 Finding.

21 FACILITATOR ANN: Thank you for your
22 comments. Our next speaker is Stephen
23 Fletcher.

24 MR. FLETCHER: Hi there. Can you hear
25 me all right?

1 FACILITATOR ANN: Yes.

2 MR. FLETCHER: Great. How are you all
3 doing? My name is Steve Fletcher. I'm the
4 Director of the Green Business Network out of
5 Washington, DC. We are the longest standing
6 and most diverse network of socially and
7 environmentally responsible small businesses in
8 the country.

9 The EPA would be making a big mistake
10 if it were to repeal the Endangerment Finding.
11 As someone who's worked alongside and advocated
12 for small U.S. businesses for the last decade,
13 I'm here to say that small U.S. businesses do
14 not want this to happen. Businesses thrive,
15 have always thrived, when the playing field is
16 level and equitable. Defanging the Clean Air
17 Act and potentially paving the way for an
18 America in which greenhouse gases are entirely
19 unregulated is a fool's errand and it's
20 antibusiness.

21 The small U.S. businesses on whose
22 behalf I've advocated over the years, first at
23 Lowcountry Local First in Charleston, South
24 Carolina, and currently at Green America's
25 Green Business Network in Washington, DC, will

1 not benefit from the EPA's proposal.

2 Here's why, it creates uncertainty.
3 Removing the rules doesn't lift everyone up,
4 removing the rules pushes everyone down into
5 the abyss of chaos where questions about
6 compliance, long-term planning and investment
7 are ignored.

8 It picks winners and losers. Huge
9 U.S. corporations have the capacity and
10 bandwidth to adapt to swift regulatory pendulum
11 swings. Small U.S. businesses, which make up
12 99.9 percent of all U.S. businesses, simply
13 don't.

14 It sends us backwards. Current
15 regulations drive us towards a cleaner and more
16 reliable energy future where businesses are not
17 beholden to the whims of fossil fuel prices.
18 It disrupts our world. Climate related
19 environmental devastation will only grow in the
20 wake of a repealed Endangerment Finding and our
21 small businesses are disproportionately
22 affected by natural disaster.

23 Here in the Lowcountry of South
24 Carolina, where I spend most of my time, I've
25 seen every stripe of small business, from

1 family run food trucks, to mom and pop apparel
2 manufacturers, look on helplessly as rising
3 seas literally and figuratively drown their
4 means of generational wealth building.

5 And, it hurts our workers. U.S. small
6 business employees will increasingly suffer
7 from asthma, heart disease, other illnesses in
8 an America where greenhouse gases are allowed
9 to proliferate unregulated. When people fall
10 ill, business falls ill, our country falls ill,
11 and some please don't go through with this
12 proposal to repair repeal the Endangerment
13 Finding. It's short sighted and it's bad for
14 business. Thanks.

15 FACILITATOR ANN: Thank you for your
16 comments. A quick check in. We have a few
17 attendees that are listed by first name only,
18 if you are scheduled to speak today, please
19 rename yourself so that we can promote you to
20 panelists before it's your turn to speak.

21 Our next speaker is Micaela Preskill.

22 MS. PRESKILL: Good afternoon. My
23 name is Micaela Preskill, and I'm the Director
24 of State Advocacy at E2. We are a national,
25 nonpartisan network of more than 10,000

1 business leaders, investors, and professionals
2 from every sector of the economy. On their
3 behalf, I'm here today to urge EPA to maintain
4 the Endangerment Finding on greenhouse gas
5 emissions and to preserve strong vehicle
6 emission standards.

7 The risks from unchecked greenhouse
8 gas emissions are real, measurable, and
9 growing. They reduce workforce productivity,
10 disrupt food production and supply chain, and
11 drive up public health costs.

12 First, workplace productivity.
13 Extreme heat conditions are already making
14 outdoor and industrial work more difficult and
15 more dangerous, reducing labor output and
16 costing billions in lost wages and output each
17 year, especially in states where construction,
18 transportation, and manufacturing are key
19 drivers of growth.

20 Second, agriculture. Volatile weather
21 patterns tied to greenhouse gas pollution are
22 disrupting crop yields, raising costs for
23 farmers, food producers, and consumers alike,
24 while undermining rural economies.

25 Third, operations and supply chains.

1 More frequent and severe extreme weather is
2 delaying shipments, damaging inventory, raising
3 insurance costs, and creating ripple effects
4 across industries that depend on reliable
5 delivery.

6 And finally, public health.
7 Unregulated emissions contribute to
8 heat-related illness, respiratory disease and
9 waterborne health risks from storm-driven
10 overflows and flooding. These outcomes raise
11 healthcare spending, reduce worker
12 availability, and strain emergency services.

13 In this case, regulation benefits the
14 business community directly. Standards that
15 cut emissions improve productivity, stabilize
16 supply chains, and lower health costs. Without
17 them, the costs fall on businesses, workers,
18 and consumers.

19 So in conclusion, E2 strongly urges
20 EPA to uphold the Endangerment Finding and
21 maintain vehicle emission standards. Doing so
22 isn't just a public health obligation, it's an
23 economic necessity. Thanks for the opportunity
24 to testify.

25 FACILITATOR ANN: Thank you for your

1 comments. Our next speaker is Casey Hicks.

2 MR. HICKS: Can you hear me okay?

3 FACILITATOR ANN: Yes.

4 MR. HICKS: Great. Good afternoon.

5 My name is Casey Hicks, I'm the federal
6 Government Affairs Manager with Wisconsin
7 Conservation Voters. We have offices in
8 Madison, Milwaukee, and Green Bay, where we
9 work with our network of over 40,000 members
10 and supporters to engage voters to protect our
11 environment. I appreciate the opportunity to
12 testify on the Environmental Protection
13 Agency's proposed rule to revoke the 2009
14 Endangerment Finding in car and truck pollution
15 protections.

16 We strongly urge the EPA not to revoke
17 both the Endangerment Finding and Greenhouse
18 Gas Emission Standards for cars and trucks. If
19 revoked, the EPA would be blatantly ignoring
20 its mission to protect human health and the
21 environment, as well as decades of sound
22 climate science from thousands of scientists
23 globally, in the clear interpretation from the
24 U.S. Supreme Court ruling in Massachusetts v
25 EPA, naming the EPA's obligation to protect

1 people from greenhouse gas emissions under the
2 Clean Air Act.

3 Wisconsinites are already feeling the
4 impacts of climate change. In late July and
5 early August of this year, Wisconsinites were
6 experiencing air quality levels that were
7 unhealthy for sensitive groups for several days
8 as a result of wildfire smoke. Only days
9 prior, Wisconsin was experiencing record heat
10 indexes reaching temperatures at or above 100
11 degrees Fahrenheit. Warming-affected
12 greenhouse gas emissions have already been
13 clearly linked to other impacts, such as toxic
14 blue green algae blooms that make swimming
15 dangerous, warmer winters that threaten
16 northern Wisconsin's tourism economy, and our
17 agricultural industry stands to suffer as a
18 result of increased flooding, extreme heat
19 conditions that affect crops, livestock, and
20 farm worker safety. And just last week,
21 southeastern Wisconsin had some of the worst
22 flooding in decades, a 1,000 year flood event
23 that led to the second wettest day in 154 years
24 in Milwaukee.

25 Transportation sectors also the

1 largest source of greenhouse gas emissions in
2 the United States, so strong emission standards
3 are not only necessary to the EPA's mission of
4 protecting public health and the environment,
5 but also necessary in saving consumers money at
6 the pump and making our auto industry globally
7 competitive. Since 1975, average miles per
8 gallon have increased from 13 miles per gallon
9 to 27 miles per gallon, and under the current
10 standards, Americans are expected to save more
11 than \$600 in fuel costs over the time of their
12 vehicle, totaling over \$23 billion across the
13 country.

14 So we strongly urge the EPA not to
15 rescind the Endangerment Finding and greenhouse
16 vehicle emission standards. Thank you.

17 FACILITATOR ANN: Thank you for your
18 comments. Our next speaker is Dionna Brown.

19 MS. BROWN: Good afternoon. My name
20 is Dionna Brown, and I'm speaking on behalf of
21 Michigan League of Conservation Voters, a
22 leading nonpartisan political organization
23 dedicated to electing for environmental
24 candidates and holding government officials
25 accountable to protect Michigan's land, air --

1 FACILITATOR ANN: I'm sorry for the
2 interruption. Could you slow down a bit so
3 that our Court Reporter can, and the Captioning
4 Team, can capture your comments accurately?

5 MS. BROWN: Yes.

6 FACILITATOR ANN: Thank you. My name
7 is Dionna Brown, and I'm speaking on behalf of
8 Michigan League of Conservation Voters, a
9 leading nonpartisan political organization
10 dedicating to electing pro environmental
11 candidates and holding government leaders
12 accountable to protecting Michigan's land, air,
13 water, and public health, and democracy.

14 First, Michigan is facing a severe air
15 quality crisis. The American Lung
16 Association's 2025 State of the Air Report
17 shows that 12 out of 24 reported counties in
18 Michigan received an F for ozone pollution,
19 places like Genesee, Kent, Macomb, Muskegon,
20 Oakland, Ottawa, St. Clair, and Wayne.
21 Residents in these counties have endured orange
22 and red air days, exposing families to
23 dangerous levels of pollution that exacerbates
24 asthma, heart disease, and respiratory illness.

25 Second, the threat is now

1 International. The summer, this summer smoke
2 from Canadian wildfires created hazardous air
3 for Michiganders, forcing alerts across the
4 state. On August 5th, Detroit became the fifth
5 most polluted major city in the world, guided
6 by PM2.5 particles in the unhealthy zone. The
7 elevated particles levels -- particular levels,
8 often 10 times higher than typical urban
9 pollution, trigger health advisors, urging
10 residents to stay indoors, especially those
11 most vulnerable.

12 Third, this whole is deeply
13 inequitable. Smoke, smoke and pollution
14 disproportionately harm children, older adults,
15 pregnant individuals, outdoor workers, and
16 communities bearing environmental burdens. In
17 communities like Flint, Detroit, and down river
18 neighborhoods, daily exposures to compound --
19 daily exposure compound into significant health
20 disparities. This isn't just data, it's about
21 the daily realities Michiganders face. Air
22 pollution leads to asthma, heart disease, and
23 premature death.

24 The proposed rollback of EPA's
25 Endangerment Finding will dismantle the

1 cornerstone of the Clean Air Act and leave our
2 communities without a lifeline. We need
3 stronger, not weaker, protections against
4 greenhouse gas and toxic emissions, robust
5 enforcement of clean air standards and
6 investment in zero emission transportation
7 solutions. The science is unequivocal, the
8 health data is persuasive, and managing these
9 protections is a decision that empowers
10 polluters and endangers our communities,
11 especially those already on the front lines of
12 climate and environmental justice. Thank you.

13 FACILITATOR ANN: Thank you for your
14 comments. Our next speaker is Will Kozicki.

15 MR. KOZICKI: Hi. My name is Will
16 Kozicki, and I'm testifying against the EPA's
17 proposed rollback of the Endangerment Finding.

18 I'm speaking from Los Angeles, where
19 just a few months ago in January horrific fires
20 burned entire neighborhoods. Just five miles
21 from my home I could see giant flames burning
22 houses and cherished hiking trails in the Santa
23 Monica Mountains, toxic smoke blanketed our
24 streets and ash rained down. Tens of thousands
25 fled the area for multiple days and more than

1 12,000 homes burned. Ultimately, 30 people
2 were killed in the fires and the fires caused
3 approximately \$65 billion in property damage.

4 While forest fires have always
5 existed, scientists have proven climate change
6 makes fires more common and more destructive.
7 In the LA fires instance, a group of scientists
8 from UCLA, led by Daniel Swain, demonstrated
9 that climate change is driving weather
10 whiplash, or rainier winters followed by hotter
11 and drier springs, summers, and falls,
12 therefore loading the dice in favor of worst
13 fires.

14 Over our lifetimes, we have pumped
15 tremendous amounts of pollution into our
16 atmosphere. And the U.S. has significant
17 responsibility for this pollution, as the
18 second largest polluter in 2024 and the largest
19 all time polluter in the industrial age.

20 This pollution, aside from making our
21 air dirty, also acts like a blanket around the
22 Earth to no longer allow excess heat to escape.
23 We're overheating the planet, driving worse
24 heat waves and also driving weirder, more
25 destructive weather. The EPA's Endangerment

1 Finding sets us on a path to kick off this
2 pollution blanket. Why would we disregard this
3 finding and instead make things worse.

4 As reported in The Hill, Trump, at an
5 April 2024 fundraiser, made a request to oil
6 and gas industry executives for \$1 billion
7 campaign contribution, which he reportedly said
8 would be a great deal for those executives. We
9 are now seeing the quid pro quo of that deal
10 with his attempt to gut the EPA. Trump is fine
11 with us cooking as long as it helps his oil and
12 gas industry executive buddies. Well, I don't
13 want any part of that dirty deal. We
14 desperately need to kick off this heavy
15 pollution blanket.

16 EPA, with the strong Endangerment
17 Finding in place, will help us to breathe clean
18 air, to experience more normal weather,
19 maintain technological leadership, and save
20 money with cheaper electric bills. I ask the
21 EPA to reconsider this Finding and to lead the
22 world in a healthy planet. Thank you.

23 FACILITATOR ANN: Thank you for your
24 comments. Our next speaker is Nishanga Bliss.

25 MS. BLISS: It says the video is

1 disabled by the host.

2 FACILITATOR ANN: One moment.

3 MS. BLISS: Is it enabled now?

4 FACILITATOR ANN: Yes, it is.

5 MS. BLISS: Can you see me now, I
6 can't see myself?

7 FACILITATOR ANN: We did a moment ago.
8 There you go.

9 DR. BLISS: Well, great. Thank you so
10 much. My name is Nishanga Bliss. I am a
11 mother, a physician, and an educator here in
12 Berkeley, California, and I really appreciate
13 Will for calling out the elephant in the room,
14 which is politics. I'm 57 years old. I'm just
15 a little bit older than the EPA.

16 And I'm sure that the panel members
17 realize that the EPA was founded by Richard
18 Nixon at that time in 1970, it was clear that
19 the environment was not a partisan issue. Now
20 we've gotten to a crazy point at this time
21 where the environment has become political, and
22 I really urge the panel members and the EPA to
23 uphold its mandate to protect health.

24 What I want to focus on is what I've
25 experienced here in Berkeley and how it's

1 affected me, my family, and all my neighbors,
2 not only my human neighbors, but my plant and
3 animal neighbors.

4 Here in Berkeley we've dealt with
5 wildfire smoke, power outages, droughts and
6 flooding, extreme heat, toxic algae blooms,
7 bomb cyclones, These have threatened in the
8 past few years. These have threatened my
9 family and they've curtailed many simple
10 pleasures of life. They've shortened family
11 vacations, they've canceled sports practices,
12 they've kept us from doing outdoor exercises,
13 and they keep us from just simply breathing
14 clean air.

15 I'm so worried about my family, so
16 worried about my neighbors, my elder neighbors
17 who can't afford air conditioning and can't
18 escape extreme heat, and I'm very worried about
19 the animal and plant neighbors in my
20 environment. One in four of all threatened
21 plant and animal species in the country live in
22 California. Here in the Bay Area we have
23 southern sea otters, we have coho salmon, we
24 have red legged frogs, California tiger
25 salamanders, San Francisco garter snakes,

1 Mission blue butterflies, and my favorite tiny
2 little burrowing owls, that are all endangered
3 and further threatened by the twin crisis of
4 climate chaos and the sixth mass extinction.

5 I'm really happy to be able to testify
6 today and to join the other inspiring speakers.
7 I hope you panel members are moved by what
8 you've heard and that you do the right thing
9 and uphold the Endangerment Finding, and I
10 think you'll sleep better at night if you do.
11 Thank you.

12 FACILITATOR ANN: Thank you for your
13 comments. Our next speaker is Jessica Van
14 Liere.

15 MS. VAN LIERE: Hi, can you hear me?

16 FACILITATOR ANN: Yes.

17 MS. VAN LIERE: Thank you. Good
18 afternoon. My name is Jessica Van Liere and
19 I'm commenting as a taxpayer and resident of
20 New Jersey.

21 I urge EPA not to rescind the
22 Endangerment Finding, it is an essential tool
23 to protect Americans from the impacts of
24 climate warming pollution, both right now and
25 into the future.

1 In the last few years I've experienced
2 the challenges and costs of climate change
3 right here where I live through prolonged
4 statewide drought, increased flooding that
5 claimed lives and property, extreme heat and
6 the high cost utility bills that come with
7 managing it, and, of course, I think about
8 those who did not have access and cannot afford
9 air conditioning, of course.

10 I've also -- also, multiple wildfire
11 events have impacted us here that forced me and
12 my loved ones to stay inside due to dangerous
13 smoke in our air. And, of course, there are
14 the people that work outdoors and could not
15 avoid those conditions. But by far, it is the
16 emissions from fossil fuels, burning cars and
17 trucks, that are impacting my life the most
18 every day, and they are also the largest
19 contributor to U.S. greenhouse gas emissions,
20 as many others have said today, and they are
21 making climate disasters worse.

22 With each year my respiratory symptoms
23 and infections have gotten worse and cost me
24 more money and time away from work. I am one
25 of the 45 million Americans living within 300

1 feet of a major transportation facility or
2 infrastructure. I live on a busy highway in a
3 major suburb that is mostly car dependent and
4 where goods are constantly being moved on
5 trucks of all sizes.

6 The statistic that I mentioned comes
7 right from the EPA website, and so does the
8 fact that research has demonstrated that
9 exposure to pollutants emitted from motor
10 vehicles can cause lung and heart problems and
11 premature death. The American Lung Association
12 says the same thing and also warns of increased
13 risks of cancer, low infant birth weight,
14 developmental damage to children, and increased
15 risks of infection. My neighborhood also
16 includes plenty of newborn babies and young
17 children who deserve to breathe clean air.

18 Given all of these human health and
19 climate impacts, I was relieved to see that the
20 EPA finally did the right thing in 2024 and
21 finalized new standards for clean cars and
22 clean trucks to reduce tailpipe emissions.
23 This is just one example of common sense policy
24 backed by the Endangerment Finding. Please
25 give these standards a chance to work so they

1 can save and improve lives, including mine and
2 my community. Again, I strongly oppose the
3 proposal to rescind the Endangerment Finding.
4 Please leave it intact and fulfill your mission
5 to protect human health and the rich
6 environment that is our life support system.
7 Thank you for this opportunity to comment.

8 FACILITATOR ANN: Thank you for your
9 comment. Our next speaker is, and please
10 forgive any mispronunciation, Daphna Ezrachi.
11 I see you're back as an attendee, we will
12 attempt to promote you again. We'll come back
13 to you.

14 Our next speaker is Gwenevere Persaud.

15 MS. EZRACHI: Oh, sorry, I'm here.
16 Yes, I'm here.

17 FACILITATOR ANN: Go ahead.

18 MS. EZRACHI: Can you hear me?

19 FACILITATOR ANN: Yes.

20 MS. EZRACHI: Okay. I don't know if
21 you can see me, but there we go. Good
22 afternoon, and thank you for letting me speak.
23 My name is Daphna Ezrachi, and I live in New
24 York City. I'm here to speak on behalf of my
25 three children, climate families in New York

1 City, and all the children in this country that
2 will be deeply affected if this proposal goes
3 through.

4 Already in my kids short lifetime,
5 they have experienced impacts of climate change
6 that many people have already spoken about. We
7 have been lucky thus far that this is mainly
8 limited their times outside and at times made
9 them feel afraid. Other kids in this country
10 have not been so lucky. All the parents send
11 their kids for a summer of happiness, but did
12 not see them return.

13 Every year, every summer and winter,
14 the reasons for an impact of climate change are
15 becoming more apparent. The evidence as to how
16 this impacts young children specifically
17 increases every year, as well. Extreme heat
18 and air pollution affects (inaudible).

19 FACILITATOR ANN: I'm sorry, you're
20 coming in and out, we're not getting a clear
21 audio from you. I'M not sure if you can hear
22 me, You're frozen on my end. We're going to
23 mute you for a moment to see if we can resolve
24 the audio issues.

25 Our next speaker is Gwenevere Persaud.

1 You're on mute.

2 MS. PERSAUD: Is my audio and vision
3 clear?

4 FACILITATOR ANN: Yes, it is. Thank
5 you.

6 MS. PERSAUD: Very well, then. Hello,
7 EPA virtual hearing. My name is Gwenevere
8 Persaud. I'm a marine biologist, science
9 communicator, podcast host, and nonprofit
10 executive director.

11 The ocean is the pulse of our world
12 and without it humanity cannot thrive. In
13 December of 2022 I officially founded the
14 Persaud Foundation, a marine biological
15 nonprofit organization dedicated to protecting
16 the ocean through education --

17 FACILITATOR ANN: I'm sorry,
18 Gwenevere, we need you to slow down so the
19 Court Reporter and the Captioning Team can
20 accurately capture your comments.

21 MS. PERSAUD: Oh, my apologies.

22 FACILITATOR ANN: No problem.

23 MS. PERSAUD: All right, I will
24 restart. Hello, EPA virtual hearing. My name
25 is Gwenevere Persaud. I'm a marine biologist,

1 science communicator, podcast host, and
2 nonprofit executive director.

3 The ocean is the pulse of our world
4 and without it humanity cannot thrive. In
5 December of 2022 I officially founded the
6 Persaud Foundation, a marine biological
7 nonprofit organization dedicated to protecting
8 the ocean through education, conservation, and
9 public involvement. I work with the ocean
10 daily and see how our connections with the
11 ocean help humanity.

12 In 2009 the EPA passed the
13 Endangerment Finding under Section 202(a) of
14 the Clean Air Act. These components stated six
15 common greenhouse gases were hazardous to
16 public health and that new vehicles' carbon
17 emissions contributed substantially to total
18 carbon emissions, which may reasonably endanger
19 public health, meaning that we must place
20 restrictions on vehicles to limit this.

21 Recently, the current Administration
22 has proposed -- the current Administration has
23 proposed reconsidering the Endangerment
24 Finding, despite its backing by scientific
25 experts. The Endangerment Finding not only

1 serves to protect the American people, but also
2 the environment that makes us proud. What
3 would this country be without its national
4 parks and miles of gorgeous coastline? What we
5 what would we be without our vibrant,
6 biodiverse landscapes? We would be a country
7 that has failed its people and catastrophically
8 damaged our ecosystems in ways that take
9 generations to recover.

10 Carbon emissions are known to
11 negatively impact human health through
12 something many politicians refuse to
13 acknowledge, extreme weather. This January my
14 hometown of Los Angeles, California,
15 experienced horrible wildfires which engulfed
16 the Pasadena, Altadena, and Pacific Palisades
17 areas burning tens of thousands of acres and
18 resulting in air pollution that killed up to
19 400 people in the aftermath. These extreme
20 weather events are becoming more intense and
21 more frequent.

22 By rolling back the Endangerment
23 Finding, you abandon these extreme weather
24 survivors, put instant gratification above
25 human welfare, and do an extreme disservice to

1 the American people. It is not you who will
2 ultimately pay the price for your actions, but
3 our future generations who will be left in the
4 wreckage. I urge you to reconsider your
5 proposal to rollback the Endangerment Finding
6 and to do what is just and what is in the best
7 interest of the American (inaudible).

8 FACILITATOR ANN: Thank you for your
9 comments.

10 MS. EZRACHI: Excuse me, I am back, if
11 you can hear me, Ann.

12 FACILITATOR ANN: Yes. I would
13 recommend staying off camera, just so that you
14 have connectivity.

15 MS. EZRACHI: Sure.

16 FACILITATOR ANN: Go ahead.

17 MS. EZRACHI: Should I just continue
18 or start from the beginning?

19 FACILITATOR ANN: I think for the sake
20 of our Court Reporter, we should start from the
21 beginning.

22 MS. EZRACHI: Okay. Apologies and
23 thank you everyone. My name is Daphna Ezrachi.
24 I live in New York City with my family, and I'm
25 here today to speak on behalf of my three

1 children, climate families in New York City,
2 and all of the children in this country that
3 will be affected if this proposal goes through.

4 Already in my kids' short lifetime
5 they have experienced the impacts of climate
6 change, from the severe rain, extreme heat and
7 everything else that folks talked about today.
8 We have been lucky thus far that this has
9 mainly limited their time outside and made them
10 a time feel afraid. Other kids in this country
11 have not been so lucky. My heart is broken for
12 the parents in Texas who sent their kids to
13 summer of happiness but did not see them
14 return.

15 Every year, every summer, the reasons
16 for an impact of climate change are becoming
17 more apparent. The evidence as to how this
18 affects young children increases every year, as
19 well. Extreme heat and air pollution affects
20 asthma rates and learning success. Disruption
21 from extreme weather events is especially hard
22 on kids.

23 The proposal to rescind the
24 Endangerment Finding regulation in the summer
25 of 2025 is beyond disheartening. An agency

1 committed to provide our children with clean
2 air is proposing to remove the same tool that
3 enables them to do so. Removing this tool
4 would render the EPA powerless to protect our
5 children's health now and in the future.

6 EPA leadership has claimed this
7 proposal will save billions of dollars, but we
8 know that climate change is already costing all
9 of us way more than the removal would save.
10 The true cost of climate change is something
11 the EPA has been communicating for years based
12 on countless studies of scientists from all
13 over the world. These standards and policies
14 are not only sound, they are critical tool to
15 prevent the worst impacts of climate change.

16 My kids and every kid in this country
17 are too young to vote, they rely on all of the
18 adults in this room to protect our future. Let
19 us hold that closely in our minds and in our
20 hearts and not go back on our collective
21 commitment to a healthy and vibrant future. I
22 call on the EPA to protect the Endangerment
23 Finding rule. Thank you very much.

24 FACILITATOR ANN: Thank you for your
25 comments. Before we continue a few items. If

1 your name appears either in the current panel
2 or the next panel, we are sending out
3 invitations to be promoted to panelists.
4 Please look for the alert on your device and
5 accept so that you're able to speak when we
6 call upon you.

7 Our next speaker is, and please
8 forgive any mispronunciation, Byron Soepyan,
9 and we see you twice.

10 MR. SOEPYAN: Sorry, just my power
11 went off a while ago and now it's back on. So
12 I'm on my computer and I started off on my
13 phone.

14 FACILITATOR ANN: Okay. Can we
15 disconnect the other?

16 MR. SOEPYAN: Okay, sure.

17 FACILITATOR ANN: Thank you so much.

18 MR. SOEPYAN: I'll delete from my
19 phone, yeah, so I'm just connected via
20 computer.

21 FACILITATOR ANN: Excellent. Please
22 continue with your comments.

23 MR. SOEPYAN: Thank you very much. So
24 good afternoon. I'd like to thank you for
25 providing me with this opportunity to deliver

1 my testimony. My name is Fritz Byron Soepyan,
2 and I'm from the CO2 Coalition. I support, I
3 support the EPA's move to rescind the 2009
4 Endangerment Finding and repeal all greenhouse
5 gas emission standards for vehicles and
6 engines.

7 The reason is that, contrary to what
8 the EPA said in 2009, CO2 is not a pollutant.
9 Rather, CO2 is essential and beneficial for
10 life on Earth.

11 For starters, CO2 is plant food, as
12 plants need CO2, along with sunlight, water,
13 and nutrients from the soil to perform
14 photosynthesis to produce oxygen and food, both
15 of which are essential for life on Earth. And
16 exposing plants to higher levels of CO2 allows
17 them to grow bigger, produce more food, and use
18 water more efficiently, which, in turn, allows
19 them to better resist drought.

20 Furthermore, NASA has confirmed that
21 Earth is greening and 70 percent of this
22 greening is thanks to CO2. I would also like
23 to point out that CO2 does not cause dangerous
24 warming, as it is a weak greenhouse gas. The
25 number one greenhouse gas is actually the

1 combination of water vapor and clouds, which
2 contribute more than 90 percent of the
3 greenhouse effect.

4 Moreover, in the last 2,000 years,
5 there were times when the temperature
6 fluctuated while the atmospheric CO₂
7 concentration was stable at a smaller value of
8 about 180 parts per million, compared to the
9 July 2025 value of about 428 parts per million,
10 so this further verifies that CO₂ does not
11 cause dangerous warming.

12 In addition, prehistoric situ
13 concentrations had been in the order of 1,000
14 parts per million, at concentrations much
15 higher than the July 2025 value of about 428
16 parts per million.

17 And finally, compared to this
18 atmospheric situ concentration, in-situ
19 concentrations can be 1.5 to 12 times higher
20 and closed motorcycle helmets can have 25 times
21 higher CO₂ concentrations, yet despite that,
22 business meetings proceed just fine, audiences
23 in theaters can remain alert, and students,
24 airplane passengers, U.S. Navy sailors in
25 submarines, and motorcyclists are doing fine.

1 CO2 only becomes dangerous at levels 35 times
2 higher than the atmospheric signal
3 concentration, which does not occur in nature
4 and is about past values of CO2 concentrations,
5 even prehistoric ones.

6 So in conclusion, CO2 is not a
7 pollutant. CO2 is essential and beneficial for
8 life on Earth. CO2 is harmless to humans at
9 small concentrations, which has been the case
10 since prehistoric times. And, therefore, I
11 support EPA's move to rescind the 2009
12 Endangerment Finding and repeal all greenhouse
13 gas emission standards for vehicles and
14 engines. And thank you for providing me with
15 this opportunity to deliver my testimony to
16 you.

17 FACILITATOR ANN: Thank you for your
18 comments. Our next speaker is David Burton.

19 MR. BURTON: I'm an IPCC expert
20 reviewer, I published in the academic
21 literature on sea levels. I was appointed with
22 the North Carolina Sea Level Rise impact --

23 FACILITATOR ANN: I'm sorry, your
24 audio is a bit muddled, which could be
25 problematic for the Court Reporter.

1 MR. BURTON: I'll get a little closer
2 to the -- I'm using the microphone that's in
3 the camera, I'll get a little closer to it and
4 try again. Can you hear me now?

5 FACILITATOR ANN: That's a little
6 better. Thank you.

7 MR. BURTON: I'm an IPCC expert
8 reviewer. I published in the academic
9 literature on sea level. I was appointed to
10 the North Carolina Sea Level Rise Impact Study
11 Advisory Committee. I'm a member of the CO2
12 Coalition. I have carbon cycle expertise and I
13 created the sea level about info website for
14 analyzing sea level trends around the world.

15 The 2009 Endangerment Finding was
16 based on politics, not science. It should be
17 repealed. The main obstacle to good climate
18 science is politics. Climatology is so
19 politicized and commercialized that much of
20 what you hear and much of what you heard today
21 is false.

22 For instance, you heard there's a
23 scientific consensus that CO2 emissions warm
24 the Earth, and that's true. But did you know
25 there's no consensus that it's harmful? In

1 fact, scientists call the warmest periods
2 climate optimums. The best evidence is that
3 man-made climate change is benign and CO2
4 emissions are beneficial for both mankind and
5 natural ecosystems. I'm one of over 30,000
6 American scientists who signed a petition
7 attesting to that conclusion.

8 Some of you are old enough to remember
9 when terrible famines were common in places
10 like Bangladesh and Africa. Famine was one of
11 the great scourges of mankind. Scripture calls
12 it the third horseman of the apocalypse. But
13 for the first time in human history, famines
14 are now rare. One of the reasons is rising CO2
15 levels. CO2 is plant food and rising CO2
16 levels have improved global crop yields by at
17 least 20 percent and helped mitigate drought
18 impacts. Those benefits are well measured by
19 thousands of rigorous agricultural studies. In
20 contrast, the supposed major harms from CO2 are
21 just hypothetical. Direct global warming
22 impacts are obviously negligible.

23 We're on track for, at most, about 1
24 degree Celsius of additional warming by 2100,
25 probably less. That's hardly noticeable. It's

1 like moving about 70 miles south. Farmers can
2 compensate for it by planning six or seven days
3 earlier. So people selling solar and wind
4 boondoggles have other supposed harms like
5 extreme sea level rise, or worse storms or
6 fires or polar bear peril. But, those problems
7 are not actually happening.

8 CO2 has been rising steadily for over
9 75 years, yet sea level trends have scarcely
10 changed. Hurricanes have not decreased -- have
11 not worsened. Strong tornadoes have decreased,
12 drought impacts have decreased, and the polar
13 bears are fine.

14 The Endangerment Finding is
15 scientifically indefensible. It needs to be
16 repealed. Thank you. My contact information
17 is on my sea level info website, in case anyone
18 has any questions.

19 FACILITATOR ANN: Thank you for your
20 comments. Our next speaker is Kajsa
21 Hendrickson.

22 MS. HENDRICKSON: Hello, and thank you
23 for the opportunity to speak. My name is Kajsa
24 Hendrickson. I'm a volunteer with Sierra Club
25 here in Salt Lake County, Utah, and I urge the

1 EPA to withdraw its proposal to overturn the
2 2009 Endangerment Finding.

3 Utahns see the effect of climate
4 change every day, from desertification to
5 extreme heat. But today --

6 FACILITATOR ANN: I'm sorry, could you
7 slow down a bit so that we can capture your
8 comments. Thank you.

9 MS. HENDRICKSON: I'll redo that
10 quickly. So I'm Kajsa Hendrickson from Salt
11 Lake County, and I urge the EPA to withdraw its
12 proposal to overturn the 2009 Endangerment
13 Finding.

14 Utahns see the effects of climate
15 change every day, from desertification to
16 extreme heat, but today I want to share a
17 separate example of how overturning the
18 Endangerment Finding would impact me in my
19 community.

20 In Salt Lake County, our air has been
21 has competed with Beijing for pollution levels
22 due to a combination of topography and
23 greenhouse gases from industry and
24 transportation. We have days where we aren't
25 supposed to go outside because the air is so

1 laden with pollutants, and that's before
2 wildfire season. My sister and mother both
3 have asthma, which makes time in Salt Lake
4 unbearable. The pollution is harmful to the
5 most vulnerable amongst us, particularly
6 children in underserved communities.

7 We can't change our topography here in
8 Utah, but we can change our emissions, and we
9 need the federal government's help to help us
10 do that. Industries in Utah have been clear
11 that they won't police their own emissions and
12 we can't rely on them to. The Endangerment
13 Finding helped set standards that reduced
14 emissions from the five major oil and gas
15 refineries across our county and from cars and
16 trucks making safer air for all of us. And
17 that is still not enough, as our asthma rates
18 are not declining.

19 We cannot afford to go backwards, we
20 won't survive it. The Endangerment Finding is
21 the bare minimum we can expect from a
22 government that is supposed to protect its
23 people. Deregulating what little environmental
24 protections we have won't make America healthy
25 again. Please be the stewards that you are

1 supposed to be and protect the Endangerment
2 Finding. Thank you.

3 FACILITATOR ANN: Thank you for your
4 comments. Our next speaker, please forgive any
5 mispronunciation, Rachel Wojcik.

6 MS. WOJCIK: Thank you Chair and
7 members of the committee, thank you for this
8 opportunity to speak. My name is Rachel
9 Wojcik, and I'm a pulmonologist in Pittsburgh
10 speaking on behalf of myself and my patients,
11 not my organization.

12 A future with clean air is awesome. A
13 future with a healthy environment for us and
14 our children to play in is awesome. Repealing
15 the greenhouse gas Endangerment Finding is a
16 direct threat to that future.

17 Decades of research have established a
18 conclusive link between greenhouse gas
19 emissions and health outcomes, as well as an
20 increase in economic cost to families,
21 businesses, and the country as a whole.

22 The Los Angeles children's health
23 study showed that children with residences
24 within 75 meters of a major roadway had a 29
25 percent increased risk of lifetime asthma on

1 days of worse air quality and with increased
2 exposure to highway associated pollutants there
3 comes more emergency department visits
4 hospitalizations and intensive care unit stays
5 for asthma exacerbations. This comes at a
6 global financial loss as children miss school
7 and families may have to miss work when their
8 child is at home or hospitalized. Businesses
9 lose revenue when staff cannot work, all in
10 addition to the burden on healthcare system.

11 But, there is good news. When
12 policies have been put in place to decrease
13 emissions, children's lung health benefits. We
14 all benefit. When children breathe better,
15 they can go to school. Parents can go to work
16 with less worry. Healthcare costs are saved
17 and society wins.

18 Repealing the Endangerment Finding
19 creates uncertainty for businesses, delays in
20 investments in clean energy. It puts the
21 United States behind in a global movement and
22 leaves citizens of the United States of America
23 with increased threats to their health. I
24 encourage you to think of a future that is
25 cleaner, brighter, and healthier for the United

1 States and its citizens. Thank you.

2 FACILITATOR ANN: Thank you for your
3 comments. Our next speaker is Eric Feeley.

4 MR. FEELEY: Good afternoon. My name
5 is Eric Feeley, and I am speaking on behalf of
6 the Oregon Department of Environmental Quality,
7 in strong opposition to EPA's current proposal.

8 My comments are focused on Section
9 4(b)(1) related to climate science.

10 The evidence that EPA is relying on to
11 refute the scientific arguments behind the
12 greenhouse gas Endangerment Finding is well
13 outside the mainstream consensus. Climate
14 working group report authors state clearly that
15 their perspectives challenge the scientific
16 consensus on climate change.

17 The report was put together in less
18 than eight weeks by five scientists known to be
19 climate change skeptics who were handpicked by
20 an Energy Secretary that believes climate
21 change to be a byproduct of progress. In
22 contrast, the IPCC and NOAA processes for
23 document development typically involves
24 hundreds of scientists and multiple years of
25 effort, which include many rounds of public and

1 agency reviews.

2 Number two, the scientific evidence
3 cited by EPA, which is primarily from the
4 climate working group report, is not enough to
5 rescind the Endangerment Finding. Given the
6 significance of EPA'S proposed action, the
7 Agency's reliance on a draft document written
8 by a handful of scientists who hold a minority
9 view as the scientific basis for its proposal
10 is inappropriate. Rescinding the Endangerment
11 Finding based on scientific arguments would
12 require significant amounts of high quality
13 evidence to back up agency claims, that is not
14 what is provided in this report. Instead,
15 report authors were narrowly focused and
16 limited their review to issues that lay within
17 the author's own competence.

18 Finally, the draft report is filled
19 with significant errors, omissions, and
20 mischaracterizations. The scientific
21 information shared in the report fails to meet
22 DOE and EPA'S own requirements for the highest
23 standards of quality and transparency. A
24 review of the literature cited in the report
25 reveals that it frequently mischaracterizes

1 those studies. The omission of two columns
2 from their reproduction of Table 1212 from
3 IPCC'S sixth assessment report related to the
4 emergence of climate impact drivers is one
5 especially troubling example.

6 EPA should not rely on this flawed
7 analysis that distorts the science as the basis
8 for its decision-making. Thank you.

9 FACILITATOR ANN: Thank you for your
10 comments. Our next speaker is Samantha
11 Johnstone.

12 MS. JOHNSTONE: Hi. Can I start?

13 FACILITATOR ANN: Yes, awesome.

14 MS. JOHNSTONE: Thank you all for the
15 opportunity to testify. My name is Samantha
16 Johnstone, and I am an intern for Moms Clean
17 Air Force and the Environmental Defense Fund,
18 and I strongly oppose the EPA's proposal to
19 rescind the Endangerment Finding and climate
20 pollution limits for tailpipes.

21 So my family has lived in the SF Bay
22 area for over four generations, and, in fact,
23 just over a month ago my fifth cousin was born.
24 But as I held her in my arms, I thought about
25 the world of increasing weather extremes that

1 she will be raised in. It's one where she
2 might not be able to play on the swings after
3 school because the afternoon sun is too hot, or
4 one where little league games are constantly
5 rescheduled because of wildfire smoke.

6 Despite growing up in the same place,
7 we will have vastly different childhoods
8 because climate change is already taking away
9 her ability to be a kid. She's not even 45
10 days old, yet she's already experienced the Bay
11 Area's coldest summer on record, which many
12 scientists have linked to climate change and
13 accelerated warming in the Arctic.

14 Climate change is here, and it's
15 costing us all money and lives. There is an
16 overwhelming scientific consensus that
17 greenhouse gases are driving global warming,
18 which is leading to irremediable economic and
19 health damages.

20 In 2024 alone, we lost over \$182
21 billion to weather and climate disasters and
22 saw thousands of deaths. Choosing to blatantly
23 ignore this science will cost Americans lives
24 and it will be their blood on your hands.

25 The EPA claims to protect the human

1 health and the environment, which is exactly
2 why the Endangerment Finding has been and
3 should continue to be a backbone of your work.
4 Courts have continually rejected challenges to
5 the Endangerment Finding for a reason, because
6 for over 16 years science and the law have
7 agreed that this finding is necessary to
8 regulate climate pollutants from a variety of
9 sources.

10 I am firmly committed to protecting
11 our country's health, and I am gravely
12 disappointed that my patriotism is not
13 reflected within the EPA by this proposal.
14 This is why I'm here today asking you to please
15 do your job and keep the Endangerment Finding
16 and vital limits on climate pollution from
17 tailpipes. For rescinding these protections
18 will take away the critical safeguards for
19 public health and the environment, worsening
20 America for all. Thank you so much for your
21 time.

22 FACILITATOR ANN: Thank you for your
23 comments. Our next speaker is Elizabeth
24 Landau.

25 MS. LANDAU: Thank you for the

1 opportunity to speak. My name is Elizabeth
2 Landau, and I'm the Director of Science Policy
3 and Government Relations at the American
4 Geophysical Union, a global community
5 supporting more than half a million
6 professionals in the Earth and space sciences.

7 I am testifying on behalf of AGU and
8 its scientists who affirm that climate change,
9 which is unequivocally driven by human
10 activities that increase greenhouse gas
11 emissions, is endangering human health and
12 welfare in the U.S. and globally.

13 The EPA Endangerment Finding is based
14 on an exhaustive review of peer-reviewed
15 climate assessments in response to a U.S.
16 Supreme Court decision that ordered the review
17 as a precursor to regulating greenhouse gases
18 under the U.S. Clean Air Act. The Trump
19 Administration has proposed to overturn the
20 Endangerment Finding based on an inaccurate and
21 cherry-picked Department of Energy Report, even
22 though decades of rigorous, peer-reviewed
23 science leave no room for doubt.

24 The climate is changing faster than
25 ever before, driven by human activities, and

1 the resulting impacts are becoming more dire.
2 Greenhouse gases are at higher concentrations
3 than at any time in the last 800,000 years and
4 the planet's 10 warmest years since 1850 have
5 occurred in the past decade, with 2020 being
6 the hottest. The evidence has only gotten
7 stronger in the last two decades, and advanced
8 methods now directly link human activity to
9 extreme weather events and natural disasters.

10 The changing climate is directly
11 causing or exacerbating global average
12 temperature increases and heat waves, sea level
13 rise, and storm surge, and ocean acidification,
14 and is causing extreme weather events to occur
15 with greater frequency, intensity, or both.
16 Climate related natural disasters, foodborne
17 and waterborne pathogens, and increased
18 allergens have already caused deaths,
19 illnesses, and injuries, and these are
20 projected to get worse. These are not based on
21 isolated findings, they are the conclusions
22 drawn from 1000s of published research articles
23 and confirmed by multiple areas of science.

24 Denying climate science will not make
25 climate change any less real, it will only cost

1 more lives and livelihoods. Any attempts to
2 manipulate or censor climate science, including
3 within the U.S. EPA Endangerment Finding, will
4 get in the way of the real work to overcome
5 climate change. This means not only
6 acknowledging the overwhelming scientific
7 consensus, but also upholding the integrity of
8 the scientific process. Thank you.

9 FACILITATOR ANN: Thank you for your
10 comments. Our next speaker is Lori Byron.

11 MS. BYRON: Hi, I'm Lori Byron. I'm a
12 Board Chair of the Montana Health Professionals
13 for a Healthy Climate. I'm also a pediatrician
14 and I hold a degree in energy policy and
15 climate change. Thank you very much for this
16 opportunity to comment.

17 I spent 27 years caring for the kids
18 on the Crow Indian Reservation. As a
19 pediatrician, I've cared for many kids with
20 asthma attacks. I've also experienced a lot of
21 wildfire smoke, which is unpleasant and
22 activity limiting for me, but deadly for some
23 of my patients. And, I have watched kids with
24 asthma suffer a lot more than I do due to air
25 pollutions.

1 While asthma attacks are usually
2 survivable, I have been at the ICU bedside of a
3 child who died from asthma. I've had a child
4 rushed into my ER dead after they overused
5 their inhalers at home because they didn't want
6 to come to the ER.

7 Climate science is as clear as basic
8 math or the laws of gravity. More burning of
9 fossil fuels creates more CO₂, which warms the
10 Earth and harms human health. This warming is
11 a threat multiplier by many roots for our
12 wildfires and for human health. The burning of
13 fossil fuels also puts pollutants in the air,
14 and these pollutants go to every part of our
15 body and damages our health.

16 Research indicates that air pollution
17 not only causes asthma attacks, but actually
18 leads to more children who have the disease, as
19 noted in our academy of pediatrics policy
20 statement on air pollution from 2021 that I
21 helped author. A recent systematic review of
22 the literature that included 24 research
23 articles indicated that wildfire smoke is 10
24 times worse for kids than any other source of
25 pollution.

1 And if finances are of importance, in
2 2023 the Office of Management and Budget
3 estimated that in an increasingly extreme
4 climate wildfire smoke exposure could increase
5 the federal healthcare expenditures by one to
6 \$200 million every year by the end of the
7 century. That's just the federal costs and
8 just for wildfire smoke.

9 People can change human rules and
10 change human laws, but that doesn't change the
11 laws of thermodynamics. Weaker protections
12 mean worse air, mean more illness and death and
13 costs.

14 Please do the right children -- do the
15 right thing for your children and mine, uphold
16 and strengthen the Endangerment Finding. Thank
17 you.

18 FACILITATOR ANN: Thank you for your
19 comments. Our next speaker is Cyrus Reed.

20 MR. REED: Hello. My name is Cyrus
21 Reed, and I serve as the Legislative and
22 Conservation Director of the Lone Star, the
23 Texas Chapter of the Sierra Club. I live in
24 Austin, Texas, and married with three kids, and
25 when I'm not at the Capitol, at the Public

1 Utility Commission of Texas, or the Road
2 Commission, TCQ, or EPA hearings, I spend time
3 with my family, often swimming, playing soccer,
4 hiking, or camping through the great state of
5 Texas.

6 We are very much against the proposed
7 repeal of Endangerment Finding and, by
8 extension, the potential dissolution of many of
9 our bedrock environmental regulations that
10 protect our health and the future of our
11 planet. We find the basis for the withdrawal
12 to be nonsensical and unscientific and
13 dangerous to public health and the environment.

14 Texas is a big state. We have the
15 largest concentration of petrochemical
16 facilities, pump more oil and gas in any other
17 state, burn more coal and gas, are leading
18 cement and concrete producers, and have the
19 second largest number of vehicles behind
20 California. But, we are also the leading state
21 in terms of renewable energy generation, and
22 just behind California installation of new
23 utility scale battery technology. We're a
24 leading developer of electric vehicles,
25 including Tesla now being located here. We're

1 a third in EV sales. We are actively exploring
2 carbon dioxide capture, the use of more
3 advanced nuclear technologies, and the
4 production of green hydrogen. But as a state,
5 we do produce more global warming gases than
6 any other state according to EPA 2021 data.
7 This makes sense, given how large a state we
8 are.

9 But what's more important, perhaps, is
10 that according to the NOAA, Texas is the
11 leading state in terms of climate disasters,
12 natural disasters that have had an economic
13 impact of \$1 billion or more. In just the last
14 few years we've suffered through extreme heat,
15 droughts, Hurricane Harvey, 68 dead, the
16 Bastrop fires, winter storm Yuri, 246 dead, the
17 Panhandle in West Texas fires, extreme
18 droughts, Hurricane Beryl, and most recently
19 the July 4 Central Texas floods, 138 dead.

20 Texans have experienced death, injury,
21 loss of property, anguish. We sometimes joke
22 that we're seeing the 100 and 500 year flood
23 events every few years. Insurance and utility
24 rates have increased exponentially, impacting
25 consumers and our quality of life.

1 Texans have suffered enough through
2 climate disasters, loss of life, and property,
3 skyrocketing insurance and energy bills.
4 Retracting the Endangerment Finding will only
5 make the situation worse by endangering the
6 very rules and proposals that will lead to a
7 healthier, cleaner outcome for communities.
8 Please repeal this dangerous proposal and get
9 about the business of lowering emissions of the
10 gases that are disrupting our climate and, in a
11 very real sense, killing Texans.

12 FACILITATOR ANN: Thank you for your
13 comments. As a reminder, we have a Court
14 Reporter and Captioning Team seeking to
15 accurately capture your comments, please be
16 mindful of your pace as you are delivering your
17 comments.

18 Our next speaker is Jamie Dow.

19 MR. DOW: Hi, my name is Jamie Dow.
20 I'm in automotive media speaking for myself.

21 EPA's proposal has the stated purpose
22 of paving the way to allow cars to pollute
23 more. However, the auto industry is
24 electrifying and these changes are inevitable
25 despite EPA's actions. Rolling back incentives

1 and lying about science will only allow for a
2 shift in EV manufacturing to China, which is a
3 country that does not have this sort of
4 internal sparring over whether or not to offer
5 the cleaner vehicles that the world needs. To
6 be clear, this move by the EPA will harm
7 American competitiveness to the tune of
8 millions of jobs lost and will advantage China.

9 It will also harm Americans directly.
10 The DOE, led by Chris Wright, who helped to
11 announce the EPA's move, released a report this
12 year which states that rolling back EPA
13 regulations will increase gas prices by 76
14 cents per gallon over the long term, more
15 profits for the oil elites who have bribed Lee
16 Zeldin to the tune of hundreds of thousands of
17 dollars over his political career. And yet,
18 that DOE report was ignored in favor of one
19 which had a hundred errors, as pointed out by
20 the very scientists that it cited. You cannot
21 simply delete science and the EPA's arguments,
22 no matter how fervent, or meaningless to your
23 opponent, which in this case is simple physics.
24 It will not budge, it will not give, it will
25 continue to respond to your attempt to destroy

1 your own home by bringing more chaos and harm
2 to you, to all Americans, and to all people on
3 this planet.

4 We know for a fact that the planet is
5 warming and that sea level rise due to the
6 thermal expansion of water will cause the
7 displacement of coastal populations with chaos
8 and violence to ensue from the forced migration
9 of billions. We also know that the planet is
10 warming at over 10 times the rate it did during
11 the largest mass extinction the world has ever
12 seen. Therefore, any official who opposes
13 climate action is guilty of the gravest crime
14 against humanity.

15 And as everybody on this call has
16 already pointed out with their universal
17 opposition to this move, it is also illegal.
18 This move will end up in court and will waste
19 the government's time and money, and the EPA
20 knows it.

21 Finally, for those who've mentioned
22 asthma. I've got this inhaler, which I've
23 carried for my entire life after getting asthma
24 as a child, and yet I've never heard anyone
25 offer to pay for my medications or the damage

1 they did to my lungs before I had any say in
2 the matter, or the lungs of the 4 million
3 children who get asthma every year due to
4 vehicle pollution. But this doesn't just harm
5 me, it bogs down the entire U.S. healthcare
6 system, which is the most expensive in the
7 world. This is the cost of pollution to
8 everyone in America, and moves like the EPA is
9 allowing vehicles to pollute more will only
10 make Americans sicker and poorer. Withdraw
11 this proposal now. Thank you.

12 FACILITATOR ANN: Thank you for your
13 comments. Our next speaker is Nancy Simpson.
14 We can hear you. We can hear you. You just
15 muted yourself.

16 MS. SIMPSON: Okay.

17 FACILITATOR ANN: Perfect.

18 MS. SIMPSON: Hi. Again, my name is
19 Nancy Simpson, and I live in Los Angeles,
20 California. I am a member of Moms Clean Air
21 Force, and I am testifying today to strongly
22 urge the EPA not to revoke the Endangerment
23 Finding or the Clean Cars and Truck Standards.

24 There is no doubt that we're in a
25 worsening climate crisis and rolling back these

1 protections would cause irreparable harm to our
2 environment and our health. I'm a mother of
3 two and a grandmother of three young children.
4 To say I'm concerned about the world we are
5 leaving them is an understatement.

6 Children are especially vulnerable to
7 climate impacts. Their developing bodies and
8 brains make them more at risk, and they depend
9 on adults to keep them safe. Protecting them
10 should be our highest priority. We have both
11 the opportunity and the responsibility to act
12 now.

13 The science is overwhelming.
14 Greenhouse gases drive global warming and
15 directly threaten human health. Since the
16 Endangerment Finding was issued in 2009, the
17 evidence has only grown stronger, and the
18 public agrees. A spring 2024 poll from Yale
19 found that 74 percent of voters support
20 regulating carbon dioxide as a pollutant.

21 Here in California, the reality of
22 climate change is impossible to ignore. We are
23 experiencing longer, more severe droughts that
24 dry out our land and fuel dangerous wildfires.
25 Water shortages, also driven by the climate

1 crisis, reduce rainfall and make it harder to
2 fight those fires, leaving communities
3 vulnerable.

4 I lived through the January 2025
5 wildfires in Los Angeles, it looked like an
6 apocalypse. It was unlike anything I
7 experienced in my 50 plus years in Los Angeles.
8 My husband and I had to pack our bags to get
9 ready to evacuate, and in the end the fire did
10 not reach us. Multiple family members and
11 close friends were not as lucky, as they lost
12 their homes and all their belongings, and in a
13 word, it was devastating.

14 So I ask, how could the EPA even
15 consider abandoning its duty to shield
16 Americans from dangerous climate pollution?
17 The science is clear, and the lived experiences
18 of people across this country, including my
19 family, confirm it.

20 Climate pollution is harming us. It
21 is upending our lives. I urge you to uphold
22 the Endangerment Finding and greenhouse gas
23 standards. Let's be remembered as the
24 generation that protected families and left
25 behind a healthier, safer future. Thank you.

1 FACILITATOR ANN: Thank you for your
2 comments. Our next speaker, please forgive any
3 mispronunciation, is Evangeline Mengelkoch.

4 MS. MENGELKOCH: Thank you for
5 allowing me the opportunity to testify today.
6 My name is Evangeline Mengelkoch, and I'm
7 speaking from Change the Chamber. We are an
8 organization of students and young adults, and
9 I'm here today to express my strong opposition
10 to the EPA's proposed rollback of the
11 Endangerment Finding and vehicle emission
12 standards.

13 As young adults, we know that the
14 Endangerment Finding and these Vehicle
15 Standards protect us and it ensures us a future
16 free from worsening extreme weather due to
17 climate change and toxic vehicular emissions.

18 We all have our climate stories.
19 Personally, I was first noticeably affected by
20 climate change when I lived in Oregon,
21 attending the University of Oregon. In 2017
22 fire season caused smoke to roll into the
23 Willamette Valley. I had not seen anything
24 like the air quality alerts, hazy skies, and
25 red sun. My lungs felt heavy, my throat sore,

1 and I had a persistent cough throughout fire
2 season. In the following years, I was
3 diagnosed with asthma.

4 Fire seasons continued to bring in
5 worsening smoke, so I moved to rural Illinois,
6 White County, where I currently reside. What I
7 experienced from climate change may have
8 changed, but still has a proven cause, which
9 vehicular emissions have a large contribution
10 to.

11 Now my largest concern is the shift in
12 tornado alley. The house I live in was not
13 built with tornadoes in mind as a threat as
14 large as they are becoming. I have no basement
15 and I have no municipal storm shelter to turn
16 to. I have seen two EF4 tornadoes harm and
17 take other's lives within 150 miles since
18 living here in Marion, Illinois, and Mayfield,
19 Kentucky, and every tornado warning makes me
20 worry that I may be next.

21 I strongly urge the EPA to maintain
22 its Endangerment Finding and reject overturning
23 its vehicular emission standards. I am one of
24 many young adults just within Change the
25 Chamber, and we all have our experiences with

1 climate change. Countless everyday Americans
2 are realizing the threat that we are under and
3 the EPA plays a critical role in protecting us
4 from extreme weather events and environmental
5 pollutants, like vehicular emissions, bring.

6 I wish to remind you all before I end
7 that an ounce of prevention is worth a pound of
8 cure. Thank you.

9 FACILITATOR ANN: Thank you for your
10 comments. Our next speaker is Catherine Dodd.

11 MS. DODD: Hi. This is Catherine
12 Dodd, can you hear me?

13 FACILITATOR ANN: Yes.

14 MS. DODD: Hello?

15 FACILITATOR ANN: Yes, we hear you.

16 MS. DODD: Okay. Thank you. My name
17 is Catherine Dodd. I'm a registered nurse and
18 I have a PhD. I'm an environmental health
19 consultant. I'm representing Nurses for
20 America. We strongly oppose any effort to
21 repeal or weaken EPA Endangerment Finding.

22 The scientifically established
23 determination -- I don't know if I can start my
24 video, I apologize. So just have to see my
25 name.

1 FACILITATOR ANN: Continue.

2 MS. DODD: Is that okay?

3 FACILITATOR ANN: Yes, please
4 continue.

5 MS. DODD: Sorry. We strong -- the
6 scientific established determination has been
7 the foundation of EPA's authority to regulate
8 greenhouse gases under the Clean Air Act. It's
9 enabled critical air protection, such as
10 vehicle and power plant emissions, that have
11 reduced climate pollution and have saved lives.

12 The profession of nursing continues to
13 be guided by Florence Nightingale's
14 environmental theory that every healthy
15 environment requires clean air and water. The
16 Republican President under whom the EPA was
17 established must have adopted Nightingale's
18 framework and should hold on to it.

19 Climate change direct effects include
20 extreme heat, drought, decreasing water
21 quality, inadequate food production with
22 increased cost, air pollution, and extreme
23 weather events, fires, floods, and hurricanes.
24 Nurses are proud of the progress made since
25 2009 when the Endangerment Finding was

1 established.

2 Nurses care for patients every day who
3 are affected by air pollution and climate
4 change, in their communities, in their homes,
5 schools, clinics, and hospitals. In 2023 we
6 had extreme heat deaths that were the highest
7 in history. These patients often have multiple
8 chronic illnesses aggravated by heat, such as
9 respiratory illnesses, heart failure, diabetes,
10 and hypertension leading to acute kidney
11 failure. All of these require costly, often
12 unavailable emergency care. Public health
13 nurses are called upon to help thousands of
14 patients that suffer each year in floods,
15 hurricanes, and fires, all caused by climate
16 change.

17 Greenhouse gases and air pollution
18 have a toll on daily life and longevity, it
19 also has an economic toll on our health system
20 and on our families. As professionals, we rely
21 on the EPA and the climate Clean Air Act to
22 regulate pollution. You are our first defense
23 without strong climate action mandates by the
24 Endangerment Finding. Nurses will continue to
25 have to intervene and rescue people from

1 preventable illnesses and premature death
2 caused by climate change.

3 We urge, we urge the EPA to uphold and
4 strengthen the Endangerment Finding to protect
5 public health and safeguard the well being of
6 our most vulnerable populations and of current
7 and future generations. Thank you.

8 FACILITATOR ANN: Thank you for your
9 comments. Our next speaker is Janessa
10 Goldbeck.

11 MS. GOLDBECK: Good afternoon. My
12 name is Janessa Goldbeck. I'm a Marine Corps
13 veteran and the CEO of Vet Voice Foundation, a
14 national nonprofit organization representing
15 almost 2 million veterans and military
16 families. I'm here to strongly oppose the EPA
17 proposal to rescind the greenhouse gas
18 Endangerment Finding.

19 For more than 15 years, this Finding
20 has been the backbone of America's Climate
21 protections. Repealing it would ignore science
22 endanger Americans and undermine national
23 security.

24 Veterans know what happens when
25 leaders fail to prepare. We've seen

1 instability made worse by drought, famine, and
2 extreme weather. The Department of Defense
3 calls climate change a threat multiplier,
4 because it fuels conflict, drives migration,
5 and forces our troops into more dangerous
6 missions. Scrapping the Endangerment Finding
7 won't make those risks disappear, it will make
8 them worse. It will mean more crises abroad,
9 more strain on our forces, and more young
10 Americans sent into harm's way because we fail
11 to act. It also weakens U.S. leadership.

12 While China and other competitors
13 invest in clean energy and resilient
14 infrastructure, pulling back tells the world
15 America is walking away from innovation and
16 global responsibility. That makes us less
17 competitive, not more. And, it's wasteful. In
18 2023 oil and gas companies flared or leaked
19 \$3.5 billion worth of natural gas, enough to
20 fill 380 LNG tankers. Refusing to regulate
21 methane means throwing away resources, raising
22 costs for Americans, and handing our rivals an
23 edge.

24 Veterans didn't serve this country to
25 see it deliberately weakened. Administrator

1 Zeldin has argued that climate regulations help
2 our adversaries. The truth is the opposite.
3 Failing to act on climate puts Americans at
4 greater risk, drains our economy, and
5 destabilizes our allies. The EPA should uphold
6 the Endangerment Finding, uphold the science,
7 and uphold America's national security. Thank
8 you.

9 FACILITATOR ANN: Thank you for your
10 comments. Our next speaker is Pat VanMaanen.

11 MS. VanMAANEN: Hello. My name is Pat
12 VanMaanen. I am a nurse and here today as the
13 Chair of the Arizona Nurses Association Health
14 and Climate Work Group. Thank you for having
15 me here to testify.

16 The Endangerment Findings are based on
17 settled science internationally. If these
18 Findings are eliminated, it will exacerbate the
19 issues I see in Arizona and across the U.S.,
20 including drought, extreme heat, wildfires, and
21 pollution. Each of these events results in
22 health related issues that as a nurse I already
23 see worsening. If the limited protections we
24 currently have in place disappear, our health
25 issues will only worsen as we experience more

1 intense weather occurrences. With this, the
2 cost of healthcare treatments and resources
3 continue to escalate, becoming cost prohibitive
4 for many.

5 A headline the other day said Arizona
6 could, at some point, become unlivable. We
7 know it has been deadly in the Phoenix area for
8 over 1,000 individuals in recent years due to
9 the intense heat, and the heat continues. On
10 August 7th Phoenix hit a record 118 degrees, a
11 record temperature not seen in over 120 years.
12 When we know better, when we have solutions to
13 an issue such as pollution that we know causes
14 poor health outcomes and we are not willing to
15 act. What does that say about us?

16 Removing limits on greenhouse gases
17 will only worsen extreme weather and make Earth
18 less livable. On behalf of my colleagues, we
19 oppose removing the endangerment findings,
20 which empower the government to regulate
21 greenhouse gases as pollutants under the Clean
22 Air Act. There is no peer-reviewed process
23 that utilizes the scientific method to
24 demonstrate this step is necessary, essential
25 or appropriate. The precedent this sets is

1 concerning and damaging to our health.

2 It also erodes the public's trust in
3 science and healthcare providers. It
4 prioritizes polluters over our health of our
5 communities. Thank you.

6 FACILITATOR ANN: Thank you for your
7 comments. Our next speaker is Adam Lough.

8 MR. LOUGH: Good morning and thank you
9 for the opportunity to speak. I work in
10 healthcare finance and I'm a volunteer with
11 Washington Physicians for Social
12 Responsibility.

13 I'm here today to strongly oppose
14 repealing the EPA's Endangerment Finding,
15 because doing so would weaken our ability to
16 protect the health of American people,
17 especially when it comes to air pollution from
18 diesel emissions and the well documented harm
19 of fine particulate matter of PM2.5.

20 Let's be clear, this is not about
21 abstract environmental theory, this is about
22 the air people breathe every day, near ports,
23 highways, farms, and industrial areas.
24 Tailpipe emissions include PM2.5 and exposure
25 to these fine particles is directly linked to

1 heart attacks, strokes, low birth weight, and
2 premature death.

3 PM2.5 is small enough to bypass the
4 body's defenses and lodge deep in the lungs,
5 even enter the bloodstream. It doesn't matter
6 your political leaning, if you breathe this air
7 you are put at risk. Children, the elderly,
8 and people with asthma or heart disease are
9 especially vulnerable. And across the country,
10 in both rural and urban communities, we're
11 seeing rising hospital emissions during periods
12 of high air pollution. That's not a theory,
13 that's a public health reality.

14 The Endangerment Finding gives the EPA
15 the legal foundation to address these dangers,
16 to limit exposure, reduce diesel pollution, and
17 ensure safer, cleaner air for everyone.
18 Repealing it strips away the foundation and
19 ignore the decades of science and medical
20 research.

21 We regulate lead paint and secondhand
22 smoke because we know they cause harm. PM2.5
23 from tailpipe emissions is no different.

24 Finally I ask, what will your legacy
25 be? What will your action -- how will your

1 actions be seen in history books? Will you
2 help pave the way for a renewable, less
3 extractive, less destructive healthy future, or
4 will you simply create shareholder value for a
5 wealthy few? I urge you to think about the
6 reasons and motivations behind the proposed
7 repeal. Do something that would make your
8 children proud and don't become a villain in
9 the story. Thank you.

10 FACILITATOR ANN: Thank you for your
11 comments. Our next speaker will be Peter
12 Chipman.

13 MR. CHIPMAN: Yes, thank you for the
14 opportunity to speak on this important matter.
15 My name is Peter Chipman, Director of
16 Sustainable Transportation at Native Sun
17 Community Power Development. I urge the EPA to
18 protect the strongest possible limits on
19 vehicle pollution.

20 For the federally recognized tribal
21 nations we serve, these greenhouse gas vehicle
22 standards provide a much needed pathway to
23 clean transportation systems that can help
24 uplift tribal communities, protect the Earth,
25 and help address health and economic

1 disparities. Rolling back the vehicle
2 pollution standards would threaten not only
3 American energy independence, but also the
4 energy sovereignty of tribal nations.

5 With electric vehicles, tribes can
6 power their transportation with the energy they
7 produce. Rolling back the vehicle pollution
8 standards will perpetuate the economic
9 disparity of native people's disproportionately
10 spending more on gasoline than the average
11 American, despite having disproportionately
12 lower household incomes. Rolling back the
13 vehicle pollution standards will also strike
14 against the progress tribes are making to
15 deploy clean technologies and join the clean
16 economy of now in the future, electric vehicles
17 and charging stations, micro grids, solar
18 panels, agrivoltaics, upgraded utilities.
19 These are all in the works for tribal nations,
20 yet the rollback of these standards is going in
21 the opposite direction.

22 Native peoples of this country are
23 resilient. Despite everything that is thrown
24 at them, they will pull through, including the
25 mistake the EPA will make if they rollback

1 these important standards.

2 But, it doesn't have to be this way.
3 Instead of going backwards, the EPA should make
4 the right choice. You should maintain the
5 strongest limits on vehicle pollution, so that
6 tribal nations in this country can join you in
7 realizing the transportation system of the
8 future for all Americans and for all tribal
9 citizens. Thank you.

10 FACILITATOR ANN: Thank you for your
11 comments. Our next speaker will be Ralph
12 Purdy. After Mr. Purdy speaks, we will take a
13 brief break. We can hear you and we can see
14 you.

15 MR. PURDY: Afternoon. I'm Ralph
16 Purdy, and I'm a member of First Presbyterian
17 Church of San Rafael. In turn, my church is
18 among several hundred that are members of
19 California Interfaith Power and Light, also
20 known as CIPL. CIPL affords various
21 congregations, works with them to decrease
22 their carbon footprint of their facilities, and
23 also offers advocacy opportunities for
24 legislation to fight climate change.

25 I'm speaking strongly against

1 rescinding the Endangerment Finding. This
2 finding states that global warming caused by
3 rising greenhouse gases poses a risk to public
4 health. There is a huge body of evidence
5 showing that this is true. For example, the
6 Human Health Chapter, Chapter 15, of the Fifth
7 National Climate Assessment published in 2023,
8 the United States has experienced ever
9 increasing intensities and numbers of heat
10 waves, floods, droughts, and wildfires. In
11 turn, these have caused increased deaths and
12 injuries as well as heat stroke,
13 cardiovascular, and respiratory problems. It
14 is essential that our government keeps its
15 legal authority to regulate and, therefore, to
16 reduce greenhouse gases.

17 My wife and I have backpacked in the
18 wilderness areas of the Sierra Nevada for many
19 years, we love and want to preserve the natural
20 beauty of our country. I am also a grandfather
21 and have four wonderful grandchildren. I want
22 them to grow up in a United States safe from
23 the health threats caused by ever increasing
24 greenhouse gases. Please save the Endangerment
25 Finding. Thank you.

1 FACILITATOR ANN: Thank you for your
2 comments. At this time we will begin a brief
3 recess.

4 EPA, when would you like to reconvene?

5 MR. CHARMLEY: Like to have a 10
6 minute break, So maybe, let's say, you know,
7 it's an odd time, but how about 3:17 p.m.
8 Eastern Time.

9 FACILITATOR ANN: Thank you. We will
10 now move to a short recess. The virtual
11 meeting room will remain open, please feel free
12 to maintain your connections or rejoin it a few
13 minutes early. We will restart promptly at
14 3:17 p.m. Eastern Time.

15 (Whereupon, a break was taken.)

16 FACILITATOR ANN: I'd like to welcome
17 you back to the United States EPA's virtual
18 public hearing for the Reconsideration of 2009
19 Endangerment Finding and greenhouse gas vehicle
20 standards. My name is Ann and I will serve as
21 your meeting facilitator for today's hearing.
22 We're now ready to resume the hearing.

23 EPA, are you ready to continue?

24 MR. Olechiw: Yes, Ann. This is Mike
25 Olechiw, I'll be the presiding officer for the

1 next session, and we are ready to go.

2 FACILITATOR ANN: Thank you. We will
3 now continue our public testimony. The
4 speaking order is currently displayed on your
5 screen. As a reminder, we ask that each person
6 limit their verbal testimony to two-and-a-half
7 minutes and speak slowly and clearly for the
8 benefit of the court reporter and closed
9 captioning team. Due to the large volume of
10 registered speakers and registrants already on
11 the wait list to provide oral testimony during
12 this hearing, we will be strictly enforcing the
13 two-and-a-half minute time limit for each
14 speaker. Thank you in advance for your
15 cooperation to ensure we hear from as many
16 attendees as possible.

17 If you have additional comments that
18 you are not able to provide today, you can also
19 submit them through the docket at
20 www.regulations.gov using Docket ID
21 EPA-HQ-OAR-2025-0194.

22 I will now begin calling on each
23 speaker one at a time in the order displayed on
24 screen. Please speak clearly so our Court
25 Reporter can record these proceedings

1 accurately. The next speaker will be Dominique
2 Altomari. Not seeing Dominique, moving on to
3 our next speaker, Becky Halpin.

4 MS. HALPIN: Hello. My name is Becky
5 Halpin, and I live in Travis County, Texas,
6 where 18 people died over the July 4 weekend in
7 the same storm that came through Kerr County
8 and killed another 117 people in a climate
9 fueled rain bomb that turned rivers and creeks
10 into massive walls of water that left only
11 death and destruction in their path.

12 By putting greenhouse gases in the
13 atmosphere, largely by burning fossil fuels, we
14 are heating up the atmosphere and this allows
15 it to hold much more water. So now we are at
16 increased risk of these water bombs falling
17 from the sky to drown and annihilate us,
18 leaving behind a landscape that resembles a war
19 zone. Those left living may never put their
20 lives together again. Their neighbors are
21 dead, the property they owned is worthless, and
22 even the few who have flood risk insurance have
23 a sad and difficult path forward.

24 In April 2011 my neighborhood suffered
25 a drought fueled fire that began in a forested

1 area bordering our homes, that destroyed 10
2 houses and damaged 20 others. My husband and I
3 fled through burning embers that swirled around
4 us. During that very same drought, two months
5 later, a giant fire in adjacent Bastrop County
6 burned 32,000 acres, destroyed 1600 homes and
7 businesses and killed two people.

8 These debacles are playing out across
9 the country with ever increasing frequency as
10 devastating floods, enormous fires, heat waves
11 and droughts, imperil our lives and threaten
12 our resources.

13 Regarding resources, my own
14 homeowner's insurance has increased by one
15 third this year due to billion dollar climate
16 disasters that spread across our country and
17 spare no one. This is all driven by climate
18 change, it endangers everyone.

19 I strongly oppose this proposal to
20 rescind the Endangerment Finding. I fervently
21 hope you will honor the trust we have given you
22 to protect us and deny this proposal. Thank
23 you so much.

24 FACILITATOR ANN: Thank you for your
25 comments. Our next speaker is Matthew

1 Highland.

2 MR. HIGHLAND: Thank you for the
3 opportunity to speak today. I'm Matthew
4 Highland. I am so grateful for all of the
5 various testimonies that have been given so far
6 explaining the stories of people's lives that
7 have been affected the science behind the
8 endangerment of greenhouse gas emissions, but
9 I'm going to focus on something else. I'm
10 going to focus on a topic that I know
11 Administrator Zeldin and President Trump care a
12 lot about, and that's about business health and
13 the economy.

14 There are so many risks to the economy
15 that are posed by greenhouse gas emissions.
16 When people have to go through environmental
17 disasters, they lose the ability to participate
18 in the economy, because all of their money is
19 going to saving for the emergency. When they
20 have to pay higher insurance rates, they're not
21 able to have the consumer spending that they
22 otherwise would have. The businesses
23 themselves can also be affected, as we've seen
24 with wildfires and flooding and other natural
25 disasters that have been exacerbated by the

1 heating atmosphere.

2 It is clear that there is a high, high
3 economic toll that is being taken by the
4 continued emissions of carbon dioxide and other
5 greenhouse gases. There is not a single
6 business that will be unaffected. There may be
7 a select few of disaster relief oriented
8 businesses that will benefit, but the economy
9 as a whole will have a significant toll taken
10 on it by responding to drought, wildfire,
11 torrential rain, and flooding, and many other
12 issues caused, eventually, sea level rise.
13 These are things that are going to completely
14 derail entire industries due to the effect that
15 they have on the economy.

16 Think about how much of the U.S.
17 economy is based on travel to beaches. Imagine
18 the beaches being destroyed by more potent
19 hurricanes and imagine the so many skiing
20 destinations that people go to not having snow.
21 So many industries will be affected by climate
22 change if we don't act now, and we need the EPA
23 to regulate emissions in order to avoid this.
24 Thank you. Have a good day.

25 FACILITATOR ANN: Thank you for your

1 know, to repeal this and to oppose this, the
2 Green Mountain State and the rest of the
3 Attorney Generals are right, I meant, we do not
4 want this to be a legal suit just to protect
5 our vast majority of Americans. But the Green
6 Mountain State as a whole, we cannot afford
7 legal suits on this. We can all cannot spend
8 money, money, money on claim lists, you know,
9 fact-finding from the current Administration.

10 I meant, you know, the Trump
11 Administration, you know, is calling climate
12 change a hoax, which it ain't. The scientists,
13 the doctors, the members that NASA, any of
14 these members, you know, are telling the truth,
15 that we need to get our act together to protect
16 not just our residents and individuals across,
17 you know, the United States as a whole, but
18 also making sure that the EPA and its members
19 are actually there to protect us, as the hint
20 the word EPA, Environmental Protection Agency,
21 which is supposed to protect the vast majority
22 of Americans and its citizens by law.

23 And for me, it's just, you know, just
24 to clarify that I just feel as an individual
25 with asthma, with a disability, autism, you

1 name it, everything, all the above, this
2 affects me deeply as a person of color, a
3 community of color, and as a whole as a nation
4 of color. And for me as an individual, this
5 ruling would put me as a tokenized individual
6 over profit. I'm a human being and I deserve
7 to be respected as a human being. Thank you
8 very much.

9 FACILITATOR ANN: Thank you for your
10 comments. Our next speaker is Terri Rimmer.

11 MS. RIMMER: Hi, I'm Terri Rimmer.
12 Can you hear me and see me okay?

13 FACILITATOR ANN: Yes.

14 MS. RIMMER: Thank you. Thank you for
15 this opportunity. I live in Fort Worth, I've
16 been here 30 years. I've been hospitalized
17 nine times for asthma since '92. I also have
18 had a cough, November will be two years that
19 I've had a chronic cough from air pollution
20 from my asthma, and I've been to numerous
21 specialists and no one has been able to help
22 me. I've been on over 23 medications. And
23 whenever there's an air quality alert, or as
24 whenever there -- the heat indexes are very
25 high, or there's a heat advisory, I can't leave

1 the house because it will exacerbate my asthma.

2 We have a lot of negative consequences
3 for this climate change. If you choose to go
4 forward with this proposal, there's going to be
5 more air pollution, resulting in costs for
6 children, the elderly, and the vulnerable, such
7 as myself. There are numerous construction
8 sites that are doing work all around the city
9 right now that -- and the results of that are
10 more air pollution, more toxins being emitted
11 into the air, and there have been numerous
12 brush fires and grass fires in this area where
13 I live in the hospital district.

14 In addition to that, I'll just wrap it
15 up by saying, that I live in a 55 and over
16 senior living community and I see lots of
17 elderly people suffering due to the air
18 pollution, as well as wild animals that are
19 having to take cover in places that they
20 wouldn't normally have to, to escape the
21 extreme heat that has been caused by the
22 climate change. So I would strongly urge you
23 not to go forward with this proposal.

24 There have been numerous trips to the
25 ER for me since I was diagnosed with asthma

1 several years ago. There have been two close
2 calls and the expense of having to use more of
3 my medications, do more breathing treatments,
4 and go to more doctors visits, all take their
5 toll on me financially because I'm on a fixed
6 income. Thank you very much for this
7 opportunity.

8 FACILITATOR ANN: Thank you for your
9 comments. Our next speaker is Kevin Nugent.

10 MR. NUGENT: Hello all. Can you hear
11 me?

12 FACILITATOR ANN: Yes.

13 MR. NUGENT: Okay. Go ahead and start
14 my video here. All right. So hello, my name
15 is Kevin Nugent, I'm testifying from Denver,
16 Colorado.

17 I'm testifying against overturning the
18 Endangerment Finding Rule change of 2009. I'm
19 a retired middle school science teacher. In my
20 16 years in the classroom, I taught my students
21 many things, I can hope anyway, but among the
22 most important thing we learned is how to think
23 critically and to back up your views from
24 scientists, experts in their fields. By
25 testifying today, I continue to fight for them

1 and the generations that follow. Please join
2 me.

3 The current Administration dismissed
4 hundreds of scientists charged with creating
5 the National Climate Assessment, New York Times
6 August 2025. These scientist members, greater
7 than 95 percent of climate scientists recognize
8 the human health and quality of life had
9 profound negative impact on human health and
10 quality of life. Today's children, among them
11 my 23-year-old daughter, are expected to face
12 three times more extreme weather disasters than
13 their grandparents, earth.org. These human
14 influenced weather disasters exact an enormous
15 and preventable cost on us all.

16 Atmospheric levels of carbon dioxide
17 reached a global average of approximately 423
18 parts per million in 2024, which is the highest
19 level in the past 3 to 5 million years.
20 Moreover, the annual increase in global average
21 atmospheric CO2 concentrations in 2024 was 3.75
22 parts per million, which is the largest on
23 record. Current global CO2 concentrations have
24 risen 50 percent since late 1800s, climate.gov
25 2025.

1 94 percent of fuel used in
2 transportation is fossil fuel based, epa.gov.
3 Fossil fuels have been scientifically proven to
4 produce greenhouse gases, greenhouse gases have
5 been scientifically proven to accelerate
6 climate change, un.org. According to the EPA's
7 own website, the transportation sector is the
8 largest source of direct greenhouse gas
9 emission.

10 To view the current rule change
11 proposal that motor vehicles do not
12 significantly contribute to dangerous air
13 pollution is self evidently wrong. My eighth
14 graders, thinking critically, would realize the
15 absolute necessity of the Endangerment Finding
16 rule. The EPA needs to, as well.

17 Stand with the science, keep our
18 nation and our world healthy, and allow future
19 generations of middle schoolers to thrive on a
20 healthy planet, just as we have. Thank you for
21 your time.

22 Thank you for your comments. Our next
23 speaker is Gregory Wrightstone. Mr.
24 Wrightstone, are you able to unmute? I see
25 that you're off mute now.

1 MR. WRIGHTSTONE: Yes.

2 FACILITATOR ANN: Go ahead, we can
3 hear you.

4 MR. WRIGHTSTONE: I'm Gregory
5 Wrightstone, Executive Director of the CO2
6 Coalition. I'm a geologist, expert reviewer
7 for the IPCC AR6, and best selling author of
8 two books on climate change.

9 The CO2 Coalition strongly supports
10 the repeal of the Endangerment Finding. For
11 more than 30 years, carbon dioxide has been
12 demonized as a dangerous pollutant by a capital
13 of special interests who pursued political
14 science instead of true science. Over the past
15 decade the CO2 Coalition has rebutted this
16 narrative by educating the public about the
17 beneficial role of the gas in nature and by
18 insisting on rigorous scientific inquiry in
19 deciding such matters.

20 EPA's proposal to rescind the
21 regulation of CO2 for vehicles validates our
22 efforts and those of the thousands of
23 scientists and others who stand for the truth.
24 We expect this and other regulatory reforms to
25 end foolish public policy that has wasted

1 trillions of dollars that could be used away
2 from work that could have otherwise benefited
3 people.

4 The theory that carbon dioxide
5 threatens to catastrophically overheat the
6 planet is fear mongering, supported by computer
7 models that have proven repeatedly to be
8 unreliable and by exaggerations of CO2 is
9 warming potential.

10 The dominant influence of climate
11 change has always been the sun, variations of
12 the Earth or Earth's orbit and axial tilt that
13 manifest themselves in cycles spanning
14 thousands of years. For the past 80 years, the
15 increase of atmospheric CO2 from human activity
16 has resulted in overall greening of most
17 ecosystems and record production of food crops.
18 These data, supported by government data and
19 rings of research, supports the facts that CO2
20 should be celebrated, not demonized.

21 I've heard a lot of misinformation,
22 disinformation today, and many of the speakers
23 here reverted to a reliance on the false claim
24 of consensus. Let's be clear, consensus is
25 nothing more than lazy science. As Michael

1 Crichton stated, science is not consensus and
2 consensus is not science. The truth is, we
3 don't have too much CO2, we don't have enough.

4 In conclusion, I love CO2 and so
5 should you, so follow the science and sleep
6 well. There is no climate crisis. Learn more
7 at CO2coalition.org.

8 FACILITATOR ANN: Thank you for your
9 comments. Before moving on to the next panel,
10 I do want to make sure that I check, we do have
11 a few participants on by phone. If you are not
12 called upon, it's because we do not see your
13 name in the attendee list. Please feel free to
14 signal in the chat or to let us know by raising
15 your hand if you are waiting to be called upon
16 and we have not called your name.

17 We are now moving on to Panel Number
18 24 and our next speaker is Teresa Homsí.

19 MS. HOMSI: Great. Hello, can you
20 hear me?

21 FACILITATOR ANN: Yes.

22 MS. HOMSI: Okay. My name is Teresa
23 Homsí, and I'm with the Michigan Clinicians for
24 Climate Action. My organization represents
25 more than 450 health professionals who are

1 concerned about the immediate and long-term
2 health risks posed by fossil fuels.

3 As you've already heard from many
4 Michiganders earlier on the call, this summer
5 we have been suffocated by wildfire smoke from
6 Canada, and the haze outside is, frankly,
7 dystopian. I've been praying for the fires to
8 end, not only for my personal desire to enjoy
9 the summer, but for the sake of my downstairs
10 neighbor, who has severe asthma and allergies
11 and can be heard coughing through the night.
12 We know the wildfires are exacerbated by
13 climate change and they're just one example of
14 the adverse health impacts the doctors, nurses,
15 and medical students in our network are seeing
16 in their practice, between increased rates of
17 Lyme disease and mold growth from flooding and
18 power outages from extreme weather events.

19 We also know that the transportation
20 sector is one of the largest sources of
21 greenhouse gas emissions in the country, and
22 that cutting down on vehicle emissions is a
23 common sense solution. I could go on about the
24 detrimental environmental consequences of this
25 proposed action, but based on the docket

1 documents and the EPA's language in its
2 rescission announcement, I worry that the
3 agency is no longer focused on its mission of
4 environmental protection. The EPA
5 Administrator has claimed that this is a cost
6 cutting measure that will help consumers, and
7 while it's not the responsibility of the EPA to
8 be concerned with economic development, doing
9 away with the Endangerment Finding will cost us
10 in untold ways. Pay no mind to the fact that
11 Ford just invested \$5 billion into EV battery
12 manufacturing. So I imagine there has to be
13 some consumer market-driven force in support of
14 electrification.

15 But I'm speaking from a health
16 professional perspective, and I can say from
17 that point of view that sticking our head in
18 the sand in the face of climate change is only
19 going to drive up economic, environmental, and
20 public health costs in the long term. So I'm
21 asking you to prove that you're still committed
22 to your mission by upholding the Endangerment
23 Finding. Regulating vehicle emissions is one
24 of the most forward thinking, cost effective
25 strategies to reduce air pollution and reverse

1 the climate impacts that we're already seeing.
2 And I don't have a website to plug, so thank
3 you so much for your time.

4 FACILITATOR ANN: Thank you for your
5 comments. Our next speaker is, and please
6 forgive any mispronunciation, Meisei Gonzalez.

7 MR. GONZALEZ: Thank you for the
8 opportunity to testify. My name is Meisei
9 Gonzalez. Let me start my video. So thank you
10 again for the opportunity to testify. My name
11 is Meisei Gonzalez, Climate Justice and Clean
12 Air Advocate With GreenLatinos, a national
13 network of Latino leaders fighting for climate
14 justice. I'm here today to state my opposition
15 to the proposed rollback of the Endangerment
16 Finding.

17 The EPA's mission is clear, to protect
18 the human health and the environment, going to
19 say that one more time, to protect human health
20 and the environment. Rolling back the
21 Endangerment Finding, the very foundation that
22 allows the agency to address climate pollution,
23 is a direct violation of that mission. It
24 abandons community suffering, ignores decades
25 of sound science, and is a misuse of taxpayer

1 dollars that funded this progress in the first
2 place. Our communities have invested years,
3 research, and trust in the EPA, and this
4 rollback would erase a lot of that.

5 For Latino communities, this is
6 personal. The Latino Climate Justice framework
7 developed by GreenLatinos, partnering
8 organizations and scientists across the nation,
9 shows that Latinos are 21 percent more likely
10 to live in urban heat islands. Nearly a third
11 of our households lack air conditioning, one in
12 four Latino families live through federally
13 declared flooding disasters just last year, and
14 over 1.6 million Latinos live within half a
15 mile of oil and gas wells, where we face higher
16 rates of asthma, premature births, and other
17 health harms.

18 Rolling back this finding is not just
19 dangerous, it is reckless. It tells our
20 families that their health is expendable, their
21 children's future is negotiable, and their tax
22 dollars disposable. It signals that EPA is
23 choosing polluters over people, politics over
24 science, and that is just unacceptable. Urge
25 to do what's right, withdraw this rollback,

1 honor your mission and protect the health and
2 welfare of all people, especially those who
3 have been carrying the heaviest burdens for
4 generations. Anything less is a betrayal of
5 public trust. Thank you.

6 FACILITATOR ANN: Thank you for your
7 comments. Our next speaker is -- and before I
8 say our next speaker, if you've joined and you
9 did not join under the name in which you
10 registered to speak today, please rename
11 yourself so that we can promote you to
12 panelists in time to speak.

13 Our next speaker is Cindy Russell, and
14 that's back to Panel 23.

15 DR. RUSSELL: Yes. Thank you so much
16 for holding this public hearing. I'm Dr. Cindy
17 Russell, representing the Santa Clara County
18 Medical Association, with about 4,000 physician
19 members, and we are opposed to the EPA proposal
20 to rescind the 2009 Endangerment Finding of the
21 Clean Air Act. This would result in repealing
22 all of the greenhouse gas emission regulations
23 for motor vehicles and engines that were
24 thoughtfully and carefully written with
25 scientific rigor and integrity and took a long

1 time.

2 The transportation sector is the
3 largest sector contributing to greenhouse gas
4 emissions, accounting for about 30 percent of
5 the U.S. emissions.

6 FACILITATOR ANN: Ms. Russell?

7 MS. RUSSELL: Yes.

8 FACILITATOR ANN: I'm sorry, could you
9 slow down just a bit for the Court Reporter?

10 MS. RUSSELL: Yes, I'm so sorry.

11 FACILITATOR ANN: No worries.

12 MS. RUSSELL: The transportation
13 sector is the largest sector contributing to
14 greenhouse gas emissions, accounting for about
15 30 percent of U.S. emissions. Vehicles emit 21
16 percent of air toxins. The Endangerment
17 Finding has been the foundation of almost all
18 efforts to reduce greenhouse gases. It's also
19 allowed stronger state rules to regulate
20 emissions. It's resulted in consumer changes
21 and acceptance of and purchase of electric
22 cars, which have improved air quality, reduced
23 CO2 emissions. This is a robust example of how
24 public policy can benefit human health and the
25 environment.

1 We must focus on facts versus opinion.
2 It's a fact that the Earth is warming, we see
3 this in 800,000 year old ice core samples, the
4 melting of glaciers, warming global
5 temperatures, extreme weather events, and, of
6 course, the continued increase in carbon
7 dioxide levels in the atmosphere. Humans are
8 at the center of global warming, rapidly
9 unraveling our climate at a much faster pace
10 due to fossil fuel consumption.

11 It's a fact that burning fossil fuels
12 results not only in CO2 emissions, but also
13 increases in other greenhouse gases. 74
14 percent of greenhouse gases in the U.S. are
15 from burning fossil fuels. While deforestation
16 is a factor, most of the CO2 rises due to
17 removing these fossil fuels currently stored in
18 the earth's core in the form of oil and gas and
19 using them as fuel.

20 As we continue to deny climate change,
21 we're putting us back on track toward a climate
22 that is unlivable for nature our children and
23 grandchildren. We believe that the
24 Endangerment Finding is a good public policy
25 and helps industry to shift to more sustainable

1 products such as electric vehicles that can be
2 recharged by the sun. Rescinding this order
3 indeed cuts red tape for industry. It will
4 also threaten the public health and welfare of
5 current and future generations. Please do not
6 rescind this important policy. Thank you so
7 much.

8 FACILITATOR ANN: Thank you for your
9 comments. Our next speaker is Daivie Ghosh.

10 MS. GHOSH: Hello, can you hear me?

11 FACILITATOR ANN: Yes.

12 MS. GHOSH: Good afternoon. My name
13 is Daivie Ghosh, and I'm a Senior
14 Transportation Research Analyst with the
15 American Council for an Energy Efficient
16 Economy. Thank you for the opportunity today
17 to testify. ACEEE does not support the repeal
18 of the greenhouse gas emission standards for
19 light, medium, and heavy duty vehicles. My
20 testimony today primarily speaks to the heavy
21 duty vehicle GHG rule.

22 The final Phase 3 GHG standards for
23 heavy duty vehicles is expected to bring about
24 \$13 billion of annualized net benefits, of
25 which \$10 billion dollars is solely from

1 climate benefits due to reduction of greenhouse
2 gases. These include benefits due to avoided
3 health and well being damages from heat and
4 cold related mortality, among others.

5 Regarding slow fleet turnover concerns
6 from increased prices of battery electric
7 vehicles due to the discontinuation of federal
8 incentives, the proposal fails to consider the
9 role of nonfederal funding in supporting EVs.
10 Private companies, utilities, states, and local
11 governments have invested \$9 billion today for
12 medium and heavy duty vehicle charging
13 infrastructure.

14 Furthermore, the EPA's discussion
15 around fleet turnover for this proposed rule
16 appears to be limited to consideration of
17 electric vehicles. The agency also refers to
18 the broader regulations as a mandated shift to
19 EVs.

20 The final Phase 3 GHG rule has
21 compliance pathway projections that include
22 improvements to internal combustion engine
23 vehicles, showing that the rule is achievable
24 through alternative means, through technologies
25 that are cost effective and can pay for

1 themselves within two years. For example, cost
2 effective efficiency improvements to sleeper
3 caps can result in 23 percent emissions
4 reduction beyond the previous model year 2027
5 standards.

6 EPA's technical basis and discussion
7 for the repeal of the greenhouse gas emission
8 standards, particularly for heavy duty
9 vehicles, is lacking and overlooks many key
10 aspects of the technology and the market. Most
11 importantly, ignoring the billions of dollars
12 of benefits, as well as thousands of jobs
13 through domestic manufacturing. Thank you.

14 FACILITATOR ANN: Thank you for your
15 comments. Our next speaker is Ingrid Malmgren.

16 MS. MALMGREN: Can you hear me?

17 FACILITATOR ANN: Yes.

18 MS. MALMGREN: Thank you. Good
19 afternoon. My name is Ingrid Malmgren, and I
20 am with Plug in America, a national,
21 nonpartisan, nonprofit, that represents
22 electric vehicle drivers across the nation. We
23 are opposed to the reconsideration of the
24 endangerment finding and greenhouse gas
25 emission standards.

1 The focus of my testimony is to set
2 the record straight on an assertion repeated
3 multiple times in the Notice of Proposed
4 Rulemaking, as well as in the Executive Order
5 titled Unleashing American Energy. Both of
6 these documents imply that greenhouse gas
7 emission standards and other clean vehicle
8 standards decrease consumer choice. Over the
9 last decade EPA vehicle emission standards have
10 incentivized automaker innovation. A decade
11 ago shoppers could choose from 371 vehicle
12 models. Today, car buyers have 415 models to
13 choose from. A decade of increasingly
14 stringent emission standards has led to the
15 availability of an additional 44 models. So
16 these standards actually increase consumer
17 choice.

18 The EPA emission standards are
19 structured to allow automakers the flexibility
20 to meet goals using a variety of technologies,
21 including internal combustion, hybrid, plug in
22 hybrid, or electric drive trains. This
23 flexibility creates consumer choice. There are
24 now 149 electric vehicle models available in
25 the U.S.. As of June 2025, American consumers

1 have chosen to purchase and drive over 7
2 million EVs.

3 The consumers we represent want
4 choices that cost less to fuel and maintain.
5 They want vehicles that reduce transportation
6 pollution and greenhouse gas emissions. They
7 want cars and trucks that allow them to skip
8 the pump and volatile fuel prices. They want
9 vehicles that are quick, quiet, and fun to
10 drive.

11 So, if the EPA is truly interested in
12 providing consumers with choices, the logical
13 choice is to keep strong greenhouse gas
14 emissions standards in place. Thank you for
15 the opportunity to testify today.

16 FACILITATOR ANN: Thank you for your
17 comments. Our next speaker is Ali Simpson.

18 MS. SIMPSON: Hi there. My name is
19 Ali Simpson, and I live in Bedford, New York,
20 in Westchester County. I serve as the Senior
21 Manager for Field Campaigns for Moms Clean Air
22 Force, and I'm testifying today to implore EPA
23 not to revoke the Endangerment Finding or EPA's
24 clean cars and truck standards.

25 The climate crisis is here and only

1 getting worse. The Endangerment Finding is
2 foundational to EPA's ability to protect us
3 from the emissions that cause global warming
4 and the health of our families, communities,
5 and future generations is what's at stake.

6 I'm a mom of two boys, a four year old
7 and a 17 month old. Nothing is more important
8 to me than my children and protecting them is
9 my first and foremost responsibility. Before
10 they were born I was living in New York City
11 with my wife when super storm Sandy wreaked
12 havoc on Lower Manhattan. A 2021 study
13 published in Nature found that climate change
14 made the storm worse, finding that over \$8
15 billion of Sandy's damages can be attributed to
16 global warming caused by human activity.
17 Hurricane Sandy drove us from our apartment and
18 sent us into sheer panic when we realized that
19 losing power for days on end ran the risk of
20 spoiling my very expensive refrigerated
21 medication that I could not pay \$10,000 out of
22 pocket to replace. The climate crisis was at
23 our front doorstep.

24 Nearly 13 years later the climate
25 crisis came to the doorstep of my hometown of

1 Los Angeles. Three close friends and family
2 lost their homes to the LA wildfires.

3 Climate science is clear that global
4 warming is creating the conditions for
5 supercharged wildfires like the ones Los
6 Angeles and so many other cities have
7 experienced in recent years. Extensive
8 scientific research has already found the
9 emissions that cause global warming do indeed
10 endanger public health and the welfare of
11 current and future generations because they
12 supercharge dangerous weather, including these
13 massive heat waves. It is EPA's clear
14 responsibility to protect people in the U.S.
15 from the health impacts of climate change.

16 The Endangerment Finding supports EPA
17 regulation of methane and other climate
18 pollutants from a variety of sources. These
19 multisector protections are critical safeguards
20 for public health and environment.

21 Once again, I urge EPA not to revoke
22 the Endangerment Finding or greenhouse gas
23 limits for tailpipe pollution. This is your
24 job to protect us. It's EPA's clear legal
25 responsibility to do so. Thank you.

1 FACILITATOR ANN: Thank you for your
2 comments. Our next speaker is Julie Kimmel.

3 MS. KIMMEL: Hello. Hi. My name is
4 Julie Kimmel. I live with my family in
5 Northern Virginia and I work with Mom's Clean
6 Air Force. I strongly oppose the proposal to
7 rescind the Endangerment Finding, which is the
8 foundational to EPA's ability to protect people
9 in the U.S. from climate emissions.

10 This weekend I took my daughter to our
11 local outdoor concert venue for an evening
12 performance. I've been going to this magical,
13 nostalgic place since I was a kid. In the
14 summer of 2006 I had a friend who worked there
15 and we went to see dozens of shows. Every
16 night we brought an extra layer to put on when
17 it inevitably got a little chilly after
18 sundown. But for the past ten-ish years, I've
19 rarely needed that extra layer because it's
20 just not getting that cold at night anymore.

21 I can't always trust my memories, so I
22 did look this up. We've had about 10 more days
23 this summer when the temperature didn't drop
24 below 70 than we had in 2006. This year to
25 year comparison is, of course, not meaningful

1 on its own, but when you factor in that average
2 temperatures in the DC area have jumped 2.4
3 degrees since 1970, with so many summer days
4 now in the 90s, and the hottest years on record
5 globally are all in the last decade. It's hard
6 to deny the Earth is heating up. Yet here I am
7 having to testify about science that has been
8 settled for decades.

9 The Earth is warming. That warming is
10 caused by human activities, especially burning
11 fossil fuels for energy industry and
12 transportation, and it is endangering human
13 health. We need to keep regulating climate
14 pollution.

15 My daughter, growing up in the same
16 town I did, is having a childhood disturbingly
17 different from my own. She has some practices
18 canceled because of wildfire smoke, school
19 recesses moved indoors because of early summer
20 heat waves, and significant anxiety about
21 playing outdoors in the summer heat. I'm
22 grateful she isn't, or isn't yet, one of the
23 record breaking 3600 cases of heat-related
24 illness in Virginia so far this summer.

25 My daughter is not alone in her

1 childhood marked by extreme weather, and it is
2 so much worse for so many families. Just look
3 at the flooding in Texas Hill Country, the LA
4 wildfires, the unrelenting heat in Phoenix.
5 These events all illustrate that climate change
6 is also an economic issue. Dangerous weather
7 made worse by our warming climate costs
8 families a fortune with high healthcare costs
9 and lives, homes, and livelihoods lost or
10 damaged.

11 We must keep the Endangerment Finding
12 and all our climate regulations, because
13 lowering greenhouse gas emissions leads to
14 cleaner air, better health, and safer
15 communities. Thank you.

16 FACILITATOR ANN: Thank you for your
17 comments. Our next speaker is Miah Hornyak.

18 MS. HORNYAK: Hello. My name is Miah
19 Hornyak, and I'm testifying today on behalf of
20 Physicians for Social Responsibility, or PSR.

21 PSR is a nonprofit organization
22 representing over 22,000 health professionals.
23 Our network works to protect human life from
24 the great (inaudible). The proposal to repeal
25 the Endangerment Finding and Motor Vehicle

1 Emission Standards is an unacceptable threat to
2 human health and our shared climate.

3 PSR does not believe it is appropriate
4 for EPA to attempt rollbacks of several rules
5 in one proposal, and because of time
6 constraints I'll focus solely on the
7 Endangerment Finding today.

8 A repeal of the Endangerment Finding
9 violates existing law and the Supreme Court
10 ruling of Massachusetts v EPA. There is
11 overwhelming peer-reviewed evidence that
12 greenhouse gas emissions harm health, all of
13 which was considered in the making of this
14 finding. Rather than revisit this wealth of
15 knowledge and proof, this proposal is based on
16 disinformation, including an unsubstantiated
17 report published by the Department of Energy,
18 drafted by five climate denying researchers.
19 This is far inferior to the hundreds of
20 esteemed scientists that lend their expertise
21 to the National Climate Assessment, among other
22 trusted sources.

23 The scientific consensus on climate
24 change has been consistent for decades and has
25 only become more indisputable. We know climate

1 change is real, human-produced carbon emissions
2 worsen it, it endangers our health and there
3 are actions we can take to prevent its life
4 threatening impacts. Climate change is here
5 now and causing health harms and excess deaths
6 across the country. NOAA reported that the 10
7 warmest years in the 175 year record have all
8 occurred during the last decade. This in
9 addition to other climate induced natural
10 disasters, floods and wildfires, is
11 unsustainable.

12 The threat of climate change and
13 resources used to mitigate it are also not
14 distributed equally due to historic inequities
15 that persist today. People of color and low
16 wealth communities are more vulnerable to
17 climate change and more likely to suffer from
18 its negative health impacts. Those who
19 contribute the least greenhouse gas emissions
20 will also unjustly be burdened the most by
21 climate change. Many regions across the U.S.
22 are not equipped to deal with the crises
23 they're facing, and without the Endangerment
24 Finding these issues will only be exacerbated.

25 EPA's mission is to protect human

1 health and the environment. Repealing the
2 Endangerment Finding is diametrically opposed
3 to this goal and would be an abuse of the
4 authority given to the agency. Again, PSR and
5 the tens of thousands of health professionals
6 we represent urge EPA to keep the Endangerment
7 Finding in place. Thank you.

8 FACILITATOR ANN: Thank you for your
9 comments. Our next speaker, and please forgive
10 any mispronunciation, is Manijeh Berenji.

11 MS. BERENJI: Thank you. My name is
12 Manijeh Berenji, and I'm a long time resident
13 of southern California, a region that has
14 become a frontline for extreme heat and
15 worsening air pollution. I am here today to
16 urge the Environmental Protection Agency to
17 withdraw its proposed Reconsideration of the
18 2009 Endangerment Finding and greenhouse gas
19 vehicle standards.

20 The science, lived reality, and
21 economic stakes could not be clearer,
22 rescinding these standards would undermine
23 decades of progress and directly endanger the
24 health and prosperity of America.

25 Here in southern California, where I

1 have spent my childhood and adult life, I have
2 witnessed firsthand how alterations in the
3 climate have shifted what used to be rare
4 summer heat waves into relentless, dangerous
5 stretches of extreme temperatures. Outdoor
6 workers, from farm fields in the Central Valley
7 to construction sites in Los Angeles, are
8 forced to endure record breaking heat more
9 frequently than ever before. And as
10 temperatures rise, so do the risks.

11 California saw rates of heat-related
12 illness double between 2000 and 2022 with over
13 20,000 Workers' Compensation claims filed. The
14 consequences are real. Workers fainting from
15 heat exhaustion, increased trips to the
16 emergency room, and families mourning lost
17 loved ones. These stories are not isolated,
18 they are echoed across the country and
19 powerfully reflected in robust scientific
20 evidence that the EPA itself has produced.

21 The Clean Air Act obligates the EPA to
22 regulate pollutants that endanger public
23 health. Peer-reviewed research since 2009 has
24 only strengthened the case. Add in wildfire
25 smoke, which now means we are breathing

1 hazardous air more often and suffer lasting
2 illnesses. The result is not just health harm,
3 but billions lost from missed work days and
4 rising medical costs.

5 Let's be clear, repealing these
6 standards will not make this more competitive.
7 Studies show the benefits of climate
8 resilience, including improved productivity,
9 lower healthcare costs, and safer communities
10 far outweigh compliance costs. Economic
11 analysis finds that every dollar spent on heat
12 safety and emissions reduction returns even
13 more in avoided losses and better worker
14 well-being.

15 America can't afford to turn back the
16 clock on climate protections. I urge the EPA
17 to follow the science and the lived experience
18 of those of us already suffering from these
19 environmental impacts, keep the Endangerment
20 Finding and enforce robust vehicle emission
21 standards to ensure our workers, communities
22 and economy are protected. Thank you.

23 FACILITATOR ANN: Thank you for your
24 comments. We are now moving on to Panel 25.
25 Perhaps some have logged in using someone

1 else's computer, please double check, as we are
2 trying to confirm that some attendees might
3 need to be promoted to panelists.

4 Our next speaker is Jazmin
5 Moreno-Dominguez.

6 MS. MORENO-DOMINGUEZ: Good afternoon.
7 Thank you for the opportunity to speak today.
8 My name is Jazmin Moreno-Dominguez and I serve
9 as Organizing Manager and Cofounder with Agave
10 Community Threads, an organization in Arizona
11 committed to advancing a clean economy and
12 fighting for environmental and economic
13 justice.

14 I was born and raised in Maryvale, a
15 neighborhood in West Phoenix that faces
16 environmental justice issues at every corner.
17 I'm here today to testify against the repeal of
18 the Endangerment Finding and the greenhouse gas
19 vehicle standards, because communities like
20 mine are being asked to pay the price. This
21 repeal is personal. It is about my home, my
22 community, my neighbors. In Maryvale and
23 surrounding West Phoenix neighborhoods, we are
24 on the front lines. We are the first to see
25 the pollution, the blistering heat, and carry

1 the health burdens that follow our
2 neighborhoods and backyards are dumping grounds
3 and key destinations for industrial zones. Our
4 communities continuously rank among the worst
5 in the nation for ozone pollution.

6 More importantly, our children are the
7 first to pay the price. Asthma hospitalization
8 rates are higher in West Phoenix zip codes,
9 especially among children and Latino residents.
10 We need to regulate climate pollution to
11 prevent these issues from worsening.

12 So I ask why must my community, our
13 children, our elders be treated as testing
14 grounds? Why are we forced to survive in
15 conditions that harm our bodies and our
16 futures? Families from neighborhoods like mine
17 deserve clean air, cooling, healthy lungs, and
18 a livable future.

19 Policy rollbacks like repealing the
20 Endangerment and greenhouse gas vehicle
21 standards Finding don't just erase regulations,
22 they dismantle protections that shield our
23 children and community from avoidable harm. I
24 stand here today to demand accountability,
25 equity and justice. This is not just an

1 abstract legal debate, it's our children's
2 health and our collective future on the line.
3 Thank you very much for the opportunity to
4 speak today.

5 FACILITATOR ANN: Thank you for your
6 comments. Our next speaker is Danielle
7 Berkowitz. We don't have audio. No, not yet.
8 No audio. We'll come, okay, we'll come back to
9 you.

10 Our next speaker is Brian Lestini.

11 DR. LESTINI: Thank you. I'm a
12 pediatric cancer doctor, I'm also an executive,
13 a voter, a father, and a volunteer with
14 Clinicians for Climate Action New Jersey, an
15 organization of more than 300 health
16 professionals and 50 medical society coalition
17 partners.

18 I have grave concerns, and I stand
19 strongly opposed to weakening or repealing
20 EPA's Endangerment Finding. The science is
21 clear, health impacts of climate change are
22 real, they're severe and accelerating.

23 In New Jersey nearly 450 die annually
24 from excess heat. Across the U.S., annual heat
25 deaths now approach 12,000, rivaling gun

1 homicides. And without action, New Jersey
2 could see nearly 3,500 such deaths annually by
3 century's end.

4 Beyond statistics, I'm also a patient.
5 Both my daughter and I increasingly suffer from
6 asthma as climate-driven wildfires worsen in
7 New Jersey, recently forcing my daughter to
8 forego her outdoor summer camp activities.
9 Science-based safeguards can yield profound
10 benefits, saving an estimated 100,000 lives,
11 preventing 3 million asthma attacks, and
12 generating \$1.2 trillion in healthcare savings,
13 up to \$44 billion for New Jersey. These
14 numbers mean fewer ER visits, missed days of
15 school or work, and less chronic diseases.

16 We cannot ignore a scientific
17 consensus built on nearly 200,000 publications
18 over four decades. Greenhouse gas emissions
19 from burning fossil fuels cause man-made
20 climate change and require regulation as the
21 health harming air pollutants that they are.
22 Denying the causes of climate change won't
23 protect our communities, just as denying a
24 medical diagnosis doesn't protect a patient.
25 EPA's own scientists, extensive expert

1 testimony, and the courts have repeatedly
2 affirmed the Endangerment Findings validity.

3 But beyond legal or technical
4 scrutiny, I urge you to prioritize the health
5 threats at stake for you, for your families,
6 and for all of us. Climate action has
7 broadened bipartisan public support and
8 upholding the Endangerment Finding is
9 essential. I urge you protect our health,
10 safeguard our future, and fulfill EPA's own
11 stated mission. Do not weaken these critical
12 protections. Thank you and I'll submit written
13 comments with references.

14 FACILITATOR ANN: Thank you for your
15 comments. Checking back to Danielle Berkowitz
16 to see if your audio is working.

17 MS. BERKOWITZ-SKLAR: Hi. Can you
18 hear me?

19 FACILITATOR ANN: Yes.

20 MS. BERKOWITZ-SKLAR: Okay, great.

21 FACILITATOR ANN: And I will send a
22 message to start your video.

23 MS. BERKOWITZ-SKLAR: Okay, thank you.
24 Hi. My name is Danielle Berkowitz-Sklar, and I
25 work with Moms Clean Air Force and our Latino

1 community engagement program called EcoMadres.
2 I'm here to voice my strong opposition to EPA's
3 proposal to rescind the Endangerment Finding
4 and limits on greenhouse gas pollution from
5 tailpipes.

6 At Moms Clean Air Force, I've had the
7 honor of speaking with many mothers displaced
8 by climate disasters who've shown extraordinary
9 resilience in the face of such loss and
10 devastation. I think of Alex, a mother and a
11 two time hurricane survivor. 20 years ago she
12 was displaced by Hurricane Katrina with her
13 two-year-old daughter, she lost everything, but
14 she rebuilt her life in North Carolina,
15 believing it to be a climate safe haven. Then
16 just last year Hurricane Helene hit, her family
17 business and her home were destroyed again.

18 Stories like hers are not uncommon.
19 And, in fact, in 2023 alone 2.5 million
20 Americans were displaced by climate related
21 disasters. I've spoken with mothers who fled
22 extreme heat and flooding compounded by
23 political turmoil and food insecurity, they've
24 resettled with their children in unfamiliar
25 communities, only to face new traumas,

1 isolation, and discrimination. It's
2 heartbreaking, and I have been deeply moved by
3 these stories, but have you? Have you been
4 listening?

5 As decision makers you can help make
6 these stories mean something bigger. You can
7 help ensure that other families and future
8 generations don't face the same fear and the
9 same pain and this frustration of feeling
10 voiceless. We need you to open your ears and
11 your hearts.

12 As someone who has always dreamed of
13 having a big family just like mine, I now
14 question whether that dream is safe or even
15 fair. What kind of future am I bringing
16 children into when our world is increasingly
17 unstable and when elected officials continue to
18 favor polluters over human beings.

19 Defending the Endangerment Finding is
20 about our survival. Climate change disrupts
21 jobs, schooling, access to healthcare, food.
22 For kids, these impacts can have lifelong
23 consequences. Even prenatal exposures to
24 extreme heat can cause impacts that last into
25 adulthood.

1 Today we testify on behalf of all
2 mothers of kids, of youth, of all people on
3 this planet and of future generations. We are
4 paying the price of climate neglect with our
5 wallets and with our health. Please do the
6 right thing and protect the Endangerment
7 Finding. Thank you.

8 FACILITATOR ANN: Thank you for your
9 comments. Checking in before we move on to our
10 next speaker, we are in the process of
11 promoting to panelists, meaning you will see an
12 invite appear on your phone, on your tablet, on
13 your desktop, inviting you to be promoted to
14 panelists, please do not decline the invite.
15 Check in if you believe you've been skipped, it
16 might just be that we either don't see you on
17 the attendee list, or we're waiting for you to
18 accept the invite to be promoted to panelists.

19 Our next speaker is Megan Malgeri.

20 DR. MALGERI: Hi. My name is Megan
21 Malgeri. Can everyone hear me?

22 FACILITATOR ANN: Yes.

23 DR. MALGERI: Okay. Thank you for
24 allowing me to speak today. I am a doctor, I'm
25 a family physician practicing in Vermont and a

1 clinical associate professor at Larner College
2 of Medicine. My area of expertise is looking
3 at climate change and impacts on health, and
4 I'm also associated with Vermont Climate Health
5 Alliance, which is a group of doctors, nurses,
6 other practitioners who work together to
7 educate on this issue.

8 But as a primary care physician, I see
9 every day how climate change is impacting my
10 patients' health and overturning the EPA'S
11 Endangerment Finding would ignore both the
12 science, as people have been saying. There's
13 consensus now the IPCC is that UN's
14 Intergovernmental Panel on Climate Change, they
15 are a gathering of the world's experts on
16 climate change, and their language in their
17 past several publications have indicated that
18 there really is no dispute on this, that it's
19 clear that climate change is already impacting
20 people's health.

21 I do see this in my exam room, I see
22 it in the hospital, I see it in clinic, and
23 things are becoming worse over time. So the
24 main health problems that I see related to
25 climate change are related to the heat.

1 Patients are susceptible to the stressors of
2 the heat when they are exposed to extreme heat,
3 even if they've got no real medical problems at
4 all they can, obviously the heat is a stressor,
5 but if they have even a medication for
6 hypertension they're more prone to exacerbation
7 of a problem or heat stress. So if a person's
8 got hypertension, they're on a diuretic, I've
9 seen people have more susceptibility and
10 consequences, such as hospitalization or
11 rhabdomyolysis or heat stroke, dehydration,
12 coming into the office after an ER visit for
13 those types of issues.

14 I had one patient who I saw post
15 discharge follow up. She was admitted to the
16 hospital during a time where the air quality
17 was really poor and there was a lot of heat and
18 she couldn't breathe. And so even, you know,
19 week later in her trailer she wasn't able to
20 leave the house.

21 So these problems really impact people
22 and I encourage you to please uphold your
23 stated name and please uphold the Endangerment
24 Finding for the safety of our community and of
25 our people. Thank you.

1 FACILITATOR ANN: Thank you for your
2 comments. Our next speaker is Fabiola Bedoya.

3 MS. BEDOYA: Can you hear me?

4 FACILITATOR ANN: Yes.

5 MS. BEDOYA: Hola. My name is Fabiola
6 Bedoya, I live in Tucson and I'm an Arizona
7 field organizer with Moms Clean Air Force.

8 FACILITATOR ANN: I'm sorry to
9 interrupt. Could you slow down so the Court
10 Reporter can capture your comments accurately?

11 MS. BEDOYA: Yeah.

12 FACILITATOR ANN: Thank you.

13 MS. BEDOYA: Hola. My name is Fabiola
14 Bedoya, I live in Tucson and I'm an Arizona
15 field organizer with Mom's Clean Air Force.

16 I'm here today to urge EPA not to
17 resign the Endangerment Finding or crucial
18 limits on tailpipe pollution for motor
19 vehicles. Strong climate protections are
20 essential for families like mine, vulnerable
21 communities and future generations.

22 I was raised by a single parent
23 working two jobs, but it still wasn't enough to
24 run the AC. I spent countless summers without
25 it, soaking my pillow with water just to fall

1 asleep and only to wake up when it got warm
2 again. Now I'm a single mom to a six-year-old
3 boy and every summer the heat in southern
4 Arizona is extreme and dangerous. We know that
5 climate change, global warming, is causing
6 temperatures to rise.

7 My son can't play outside because
8 playgrounds are too hot to touch. We stay
9 indoors all day, relying on expensive air
10 conditioning, which drives up our electric
11 bills and makes it hard to afford any other
12 essentials. Even walking our dog becomes
13 unsafe because the sidewalks are hard enough --
14 hot enough to burn paws.

15 And a recent study found that during
16 the first quarter of the 2024 school year, 93
17 percent of schools in Maricopa County, Arizona,
18 experience recess disruption due to high
19 temperatures. For children playing outside is
20 extremely vital for physical, mental, and
21 social well-being. It's deeply worrisome to
22 think about the millions of children in Arizona
23 who don't have the access to outdoor play that
24 they actually deserve and this will mean for
25 their long-term development.

1 And as a first time homeowner in a
2 lower income neighborhood, I see how the urban
3 heat island effect makes things worse. There
4 aren't enough trees or green spaces to provide
5 relief. And for many families and trailers
6 with only fans or swamp coolers, the heat can
7 be deadly.

8 So I urge the EPA to uphold both the
9 Endangerment Finding and vital limits on
10 tailpipe pollution from motor vehicles, because
11 you have a legal and moral duty to act. So I'm
12 speaking for my son, my neighbors, and anyone
13 and everyone who deserves a safe, livable
14 future. Thank you.

15 FACILITATOR ANN: Thank you for your
16 comments. Our next speaker is Jack Joseph.

17 MR. JOSEPH: Good afternoon. My name
18 is Jack Joseph, and I'm an active member of
19 Vineyard, Columbus, Ohio Church's Creation Care
20 Ministry, a creation care champion with the
21 Evangelical Environmental Network, and a
22 passionate believer that God, our Creator, has
23 commanded us to all to love and care for His
24 creation.

25 I testify today in vehement opposition

1 to the Reconsideration of the 2009 Endangerment
2 Finding and greenhouse gas vehicle standards.
3 I disagree with the conclusion that in 2009,
4 because the EPA unreasonably analyzed the
5 scientific record and because the developments
6 cast significant doubt on their reliability of
7 these findings.

8 In fact, in the intervening years
9 there's ample evidence and consensus among
10 climate scientists that greenhouse gas
11 pollution significantly contributes to climate
12 change, which negatively impacts United States
13 and the globe. The health impacts of
14 greenhouse gas pollution are well known.
15 Excessive heat smoke from wildfires and death
16 and injuries from severe weather events are
17 increasingly frequent. Once in 500 year events
18 are now annual. And, the negative impacts of
19 greenhouse gas pollution disproportionately
20 impact the young and elderly.

21 There are also significant economic
22 impacts of greenhouse gas pollution.
23 Homeowners and car insurance premiums will
24 continue to rise due to increasing risk.
25 Worker productivity reducing, is reduced by

1 climate change related events. Public and
2 private financial resources are being diverted
3 to disaster recovery rather than growing the
4 economy.

5 The Reconsideration of the 2009
6 Endangerment Finding is dangerous and short
7 sighted. God has commanded us to care for His
8 creation, in my opinion this proposed change is
9 in direct opposition of that command. Thank
10 you for this opportunity to have input on this
11 critical topic.

12 FACILITATOR ANN: Thank you for your
13 comments. Our next speaker is Craig Kenworthy.

14 MR. KENWORTHY: Good afternoon. For
15 background, I'm a former co-president of the
16 National Association of Clean Air Agencies and
17 I previously served as a member of the Western
18 Governors' Association Wildfire Advisory Group.
19 That said, my comments today are my own.

20 One week after EPA's Indianapolis
21 press event on this proposal, the state of
22 Indiana had to issue an air quality alert for
23 wildfire smoke coming from Canada. These smoke
24 events are becoming an all too common
25 occurrence in many parts of our country. We

1 cannot solve that problem through forest
2 management. Canada, Siberia, and the United
3 States are too big, have too much landscape to
4 ever do that. The only meaningful way forward
5 is to reduce the carbon pollution that is
6 making the forest more vulnerable to these
7 fires. And regarding that vulnerability, the
8 science is clear.

9 And speaking of science, you can't
10 fire the atmosphere no matter how much you
11 don't like the facts and the data it's giving
12 you. When EPA rolled out this proposal, there
13 was some talk about freedom to choose as a
14 reason to undermine these public health rules.
15 But climate change-driven wildfire smoke events
16 are taking away another freedom, being able to
17 go out and enjoy the outdoors. They are
18 robbing kids of their chance to experience it.

19 Ignoring the threat of climate change
20 and all the ways it takes away people's
21 choices, is an anti freedom agenda.

22 I also want to turn to one other
23 effect of this proposal, almost all greenhouse
24 gas reduction standards also result in
25 reductions of other harmful co-pollutants like

1 particulate matter and ozone or smog
2 precursors. States are required to stay in
3 attainment with the federal health-based
4 standards for these other pollutants. If the
5 EPA proceeds with these proposals, it must
6 analyze the impact on all of the state
7 implementation plans of these other pollutants.
8 If they are inadequate, states would need to
9 find other mechanisms to reduce pollution.
10 That might lead to stricter requirements on
11 small businesses or in some of our western
12 states, having to address particulate matter
13 pollution from wood stoves more than we already
14 do. That, folks, I can tell you from
15 experience, is not a fun conversation.

16 I strongly urge you to abandon these
17 anti science, anti public health, and
18 ultimately anti freedom proposals. Thank you.

19 FACILITATOR ANN: Thank you for your
20 comments. Our next speaker is Paul Miller.

21 MR. MILLER: Good afternoon. My name
22 is Paul Miller, I'm the Executive Director of
23 NESCAUM, the Regional Association of State Air
24 Agencies in New Jersey, New York, and the six
25 New England states. NESCAUM disagrees with

1 EPA's proposal to rescind the greenhouse gas
2 Endangerment Finding and repeal greenhouse gas
3 emission standards for cars and trucks.

4 First, in Clean Air Act Section 202(a)
5 Congress clearly charged EPA with regulating
6 motor vehicle emissions that endanger public
7 health or welfare. Congress also explicitly
8 specified in Section 302(h) that protecting
9 public welfare includes effects on weather and
10 climate. This makes the major questions
11 doctrine and applicable and undercuts EPA's
12 argument that the act only covers local or
13 regional pollution impacts.

14 Second, for the asserted new
15 developments in climate science, the agency
16 cites a hastily drafted DOE report that has not
17 been peer-reviewed. It needs extended review
18 before being used as a basis for EPA's
19 proposal.

20 Third, EPA's assertion that the
21 requisite technology does not exist to address
22 climate change discounts or ignores public
23 harms if nothing is done and is contradicted by
24 EV sales data. Cumulatively, as of the end of
25 June 2025 over 7 million plug in electric

1 vehicles have been sold in the U.S.. Globally,
2 EVs now dominate new car sales in several
3 countries. In Norway, 89 percent of new car
4 sales were EVs in 2024, 76 percent in Nepal,
5 and 50 percent in Denmark. The requisite
6 technology and consumer acceptance clearly
7 exists to enable the transportation sector to
8 do its part.

9 In addition, EPA's 52 day comment
10 period for this proposal is too short in light
11 of the numerous issues EPA is raising. It is
12 much shorter than the previous EPA process when
13 making the 2009 Finding, that process included
14 120 day opportunity for initial public input,
15 followed by an additional 60 days on the
16 proposed Finding. EPA's recent extension of
17 only seven days is not sufficient.

18 In summary, NESCAUM disagrees with
19 EPA's proposed actions and our states and the
20 public deserve more time to consider and
21 respond to it, consistent with past EPA's
22 practice. Thank you.

23 FACILITATOR ANN: Thank you for your
24 comments. Our next speaker is Jen Chandler.

25 MS. CHANDLER: Hello. My name is Jen

1 Chandler, I'm the Director of Elders Climate
2 Action, a national nonpartisan mobilization of
3 older Americans who are united by our deep
4 concern about climate warming pollution and the
5 impacts on our health, family, families, and
6 communities. Today I'm here representing more
7 than 33,000 ECA members who strongly oppose
8 rescinding the Endangerment Finding or Vehicle
9 Standards.

10 The United States must remain -- must
11 maintain strong protections against pollution
12 to continue to address the climate crisis, we
13 are living in. Countless court rulings and
14 evidence produced in thousands of studies
15 confirm that climate change caused by the
16 extraction and burning of fossil fuel is having
17 devastating impacts on people's lives.
18 Rescinding this protection is dangerous and
19 will put more lives at risk.

20 ECA's members are experiencing the
21 impacts of these events firsthand. After the
22 world's hottest year on record, many have been
23 directly impacted by catastrophic climate
24 change disasters, including flash flooding in
25 Texas, hurricane flooding in North Carolina,

1 devastating wildfires in Los Angeles, and here
2 in Northern Arizona and across the West. There
3 has been more than 143 straight days of over
4 100 degree heat here in Phoenix.

5 ECA's members understand that this
6 repeal will mean even more frequent and severe
7 extreme weather and exposure to heat, increased
8 spread of disease, intensified droughts and
9 floods, impacts on drinking water, threatened
10 food security, and inevitably loss of life. An
11 ECA member Alice says, I'm one of the 230,000
12 old people with heart problems who will likely
13 die if they loosen emissions regulations for
14 power plants.

15 And I'm currently caring for my own
16 mother, who is an ECA founding member, who is
17 currently in hospice care with stage four
18 cancer after living between three major
19 highways in the thick of Phoenix's air
20 pollution for decades. I've witnessed the
21 direct impacts of high air quality index has on
22 her health.

23 Americans overwhelmingly support
24 climate action and want to see the EPA
25 strengthen, not revoke, emission standards for

1 cars, trucks, and power plants. Revoking the
2 Endangerment Finding will increase energy
3 costs, drive up prices on everyday goods and
4 services, eliminate thousands of good paying
5 jobs and result in tens of thousands of lost
6 work days every year for American families.
7 Our health communities and generations to come
8 are counting on wise choices informed by sound
9 science. Our health and environment are not
10 for sale, put people first and maintain the
11 Endangerment Finding and limits on vehicle
12 tailpipe pollution.

13 FACILITATOR ANN: Thank you for your
14 comments. Our next speaker is Avery Davis
15 Lamb.

16 MR. LAMB: Hello. My name is Avery
17 Davis Lamb, I'm the Executive Director of
18 Creation Justice Ministries, a national
19 ecumenical organization representing 39
20 Christian denominations and communions. And on
21 behalf of those denominations and the tens of
22 millions of Christians in their pews, I urge
23 you do not rollback the Endangerment Finding or
24 the Vehicle Pollution Standards. To do so
25 would be a violation of science, but more

1 importantly it would be a violation of our
2 collective moral responsibility.

3 As we've heard over and over and over
4 again today, the science of climate change is
5 not in dispute. The Endangerment Finding rests
6 on overwhelming consensus. Greenhouse gas
7 emissions from the U.S. are fueling the
8 disasters that endangered lives. In 2024
9 alone, 27 extreme weather events caused \$182
10 billion in damage and claimed more than 560
11 lives. Rolling back vehicle standards would
12 also worsen asthma and cancer risks for the 72
13 million Americans, disproportionately people of
14 color, who are living near major trucking
15 routes.

16 But that's not what I came here to
17 say, because this is not an abstract issue.
18 It's not only an issue of science, I want to
19 tell you about Black Mountain Presbyterian
20 Church in Western North Carolina. After
21 Hurricane Helene devastated their community
22 last year, the congregation, just after
23 unveiling a mission statement where they ask,
24 has everyone been fed, put that call into
25 action. They became a disaster hub. They were

1 feeding thousands, housing first responders,
2 distributing supplies, sheltering a displaced
3 school, and they were caring for their
4 neighbors, regardless of politics. Pastor Mary
5 Katherine Robinson said that it required an
6 opening of our hearts, and that opening changed
7 lives. Nearly a year later, the church is
8 still helping families with rent, with medical
9 care, and with recovery.

10 These are the very impacts the
11 Endangerment Finding recognizes and that a
12 rollback would ignore. Climate disasters are
13 here and they're worsening. Our churches are
14 seeing it daily through fires, floods, and heat
15 that threatens the well-being of those we love,
16 and the government has a responsibility to
17 protect its citizens. And, the Endangerment
18 Finding is one of the strongest tools we have,
19 to do so, rolling it back, would be a moral
20 failure. Protecting our communities is not a
21 burden, it's an opportunity to love our
22 neighbors, to safeguard public health, and to
23 build a just clean energy economy that uplifts
24 everyone. Thank you.

25 FACILITATOR ANN: Thank you for your

1 comments. Our next speaker is Patrick
2 McDonnell.

3 MR. McDONNELL: I thank you for the
4 opportunity to speak today. I'm a Patrick
5 McDonnell, I'm the former secretary of the
6 Pennsylvania Department of Environmental
7 Protection. And in that role, I saw firsthand
8 how climate change is not an abstract debate,
9 it's a lived reality.

10 Our communities are already
11 experiencing more frequent floods, hotter
12 summers, and worsening air quality. And these
13 aren't just projections, they're happening
14 right now, and they're harming our economy, our
15 health, and our way of life.

16 In Pennsylvania, we've already seen
17 over 1 degree increase in heat on an annual
18 basis just since the year 2000 and are
19 anticipating an up to 7 degree increase over
20 the next 25 years. We used to have five days a
21 year above 90 degrees, and we're now heading
22 toward 36 days over 90 degrees. We're
23 expecting to see an 8 percent increase in
24 precipitation on top of the 12 percent increase
25 we have already experienced. These are things

1 that are truly showing why the Endangerment
2 Finding is so critical.

3 Acknowledging the reality of climate
4 impacts means we need to take action to address
5 them, rolling the finding back does not change
6 that reality. You cannot avoid the impact of
7 an oncoming train by closing your eyes and
8 declaring it not a danger.

9 From my time in state government I can
10 tell you this, when Washington pulls back, a
11 heavier burden falls on states and local
12 communities. We've seen states step up, but we
13 also need a strong national framework that is
14 consistent, fair, and forward looking. The
15 Endangerment Finding provided that foundation,
16 undoing it creates confusion, delays action,
17 and leaves our citizens exposed to greater
18 harm.

19 At its core, this rollback is not
20 about science or law, it's about turning our
21 back on our responsibilities. We already have
22 the technology and knowledge to address climate
23 change. We have technologies that are cheaper
24 and cleaner to reduce our emissions. What we
25 lack is political will.

1 Rolling back the Endangerment Finding
2 is not just a legal maneuver, it is a moral
3 failure. It says to future generations, your
4 health, your safety, your prosperity, are
5 negotiable. And as someone who has worked for
6 30 years to protect the air and water of my
7 state, this is unconscionable.

8 Climate change will endanger us
9 despite an unscientific finding by politicians.
10 Whether EPA recognizes or not, the threat will
11 continue to grow, the only question is whether
12 we choose to face it with honesty and action,
13 or whether we deny it and leave the cost to our
14 children.

15 I urge you to withdraw this rollback,
16 honor the science, and uphold the duty we all
17 share, protecting public health, safeguarding
18 our environment, and securing a livable future.
19 Thank you.

20 FACILITATOR ANN: Thank you for your
21 comments. Our next speaker is Katherine
22 Hudson.

23 MS. HUDSON: Thank you very much. My
24 name is Katherine Hudson, and I am testifying
25 today as a private individual and a senior

1 citizen and resident of the state of Colorado
2 to express my strong opposition to EPA's
3 proposed rollback of this Endangerment Finding,
4 that climate change endangers the public
5 health, welfare, and safety of current and
6 future generations.

7 The Endangerment Finding plays a
8 critical role in addressing the impacts of
9 climate change, which are already adversely
10 affecting me and senior citizens like me across
11 Colorado and across our nation. These impacts
12 include bad air quality, excessive heat,
13 drought, and increased wildfire risk. I urge
14 you to fulfill your statutory duty as the
15 Environmental Protection Agency to protect my
16 environment and that of my neighbors and fellow
17 citizens, to ensure our health and well-being
18 by retracting this proposed rollback.

19 I am testifying today to share with
20 you the climate change impacts that I
21 personally experience as an elderly person in
22 their mid 70s living in Western Colorado,
23 impacts that will only increase if EPA's
24 Endangerment Finding is eliminated. The
25 climate-driven impacts I personally experience

1 include, one, extended multiyear drought
2 conditions and the hot, dry winds that
3 accompany them, which drive ongoing wildfires
4 that are not only directly impacting the air I
5 breathe, but also threaten the safety and
6 continued existence of my home and potentially
7 my life if I am unable to evacuate quickly
8 enough.

9 Two, excessive heat-driven by a
10 warming planet that now persists for a good
11 part of the summer, negatively impacting my
12 health and ability to live in my house, which
13 has no air conditioning.

14 Three, threats to my access to
15 drinking water resulting from the increasingly
16 severe drought conditions we face in Western
17 Colorado, as well as from flash flooding and
18 mud slides that just last year destroyed my
19 HOA's water delivery system to my home.

20 Four, poor air quality, which has
21 affected me over the last several months,
22 including wildfire smoke, increased ozone
23 levels, and air particle pollution, including
24 PM2.5 particles, causing me throat irritation,
25 coughing, and shortness of breath.

1 Because of these impacts and threats I
2 am already experiencing as a result of
3 excessive greenhouse gases in our air. I am
4 deeply concerned about EPA's proposed rollback.
5 I urge EPA officials not to retract the
6 Endangerment Finding and instead continue to
7 commit your agency to its mission of
8 environmental protection to ensure the safety,
9 health, and well-being of myself, other senior
10 citizens, our communities, and future
11 generations. Thank you.

12 FACILITATOR ANN: Thank you for your
13 comments. Our next speaker is Adrienne Hardy.

14 MS. HARDY: Hi. My name is Adrienne
15 Hardy, I am calling in from Minnesota, and I'm
16 here to speak in strong opposition to EPA's
17 proposal to repeal the Endangerment Finding and
18 the greenhouse gas standards for vehicles.

19 EPA's Endangerment Finding found that
20 greenhouse gases endanger public health and
21 welfare, and that conclusion remains clear
22 today. This summer my community lived under
23 smoky skies for days due to severe Canadian
24 wildfires. A couple weeks ago, Minnesota
25 experienced the longest air quality alert in

1 our history, lasting seven consecutive days.
2 My family, normally active and outdoors, was
3 forced inside. Friends and relatives with
4 asthma struggle to breathe as their symptoms
5 worsened. The ability to be outside, exercise
6 and breathe clean air is essential for our
7 health.

8 The burden is not shared equally,
9 children, older adults, outdoor workers, people
10 with chronic conditions, low wealth
11 communities, communities of color, face
12 disproportionate harm, and many of these
13 neighborhoods lack green spaces to cool, have
14 inadequate housing to protect against poor air
15 quality, and are more vulnerable to flooding.
16 Across the country Americans are experiencing
17 increased exposure to wildfire smoke, extreme
18 heat, higher ozone levels, stronger storms, and
19 spread of diseases.

20 According to the EPA's own data, the
21 transportation sector is the largest source of
22 greenhouse gas emissions in the United States,
23 responsible for 28 percent of emissions, mostly
24 from cars and trucks. These vehicles also emit
25 fine particle pollution and nitrogen oxide,

1 dangerous pollutants that contribute to asthma,
2 lung damage, heart disease, and premature
3 death. Strong vehicle standards reduce both
4 greenhouse gases and these harmful
5 copollutants, delivering immediate health
6 benefits, like fewer asthma attacks, fewer
7 emergency visits, and fewer missed work and
8 school days.

9 Vehicle emission standards have been
10 in place for more than five decades, they have
11 reduced tailpipe pollution, improve fuel
12 efficiency, and deliver billions of dollars in
13 health benefits.

14 The 2024 updated standards were
15 projected to prevent 8 billion tons of
16 greenhouse gas emissions and save consumers
17 money. Repealing these safeguards abandons
18 progress and puts polluters ahead of people's
19 health.

20 EPA was created in 1970 with a mission
21 to protect human health and the environment,
22 this proposal does the opposite and contradicts
23 that mission and the Administrator Zeldin's
24 statement that every American should have
25 access to clean air, land, and water.

1 I urge EPA to reject this repeal and
2 keep our families safe and healthy. Thank you.

3 FACILITATOR ANN: Thank you for your
4 comments. As a reminder to everyone, please
5 slow down so that our Court Reporter, as well
6 as our Captioning Team, can accurately capture
7 your comments.

8 Our next speaker is Edward Avol.

9 MR. AVOL: I don't see myself yet.

10 FACILITATOR ANN: Yes, we can hear you
11 and we can see.

12 MR. AVOL: Okay. All right. Well,
13 thank you. My name is Ed Avol, and to correct
14 the record I'm speaking as a private individual
15 and not on behalf of the University of Southern
16 California.

17 I've lived in Los Angeles for over 60
18 years and personally experienced the air
19 pollution episodes of the 1960s that kept us
20 indoors during school recesses because of the
21 air pollution outside. Los Angeles air today
22 is easier to breathe thanks to the efforts of
23 regional and national air quality agencies to
24 require emission reductions.

25 Professionally, I am a professor

1 emeritus from the USC School of Medicine,
2 having spent 31 years conducting research into
3 the long-term health effects of air pollution
4 in children, especially regarding their
5 respiratory health. I've also served on
6 several EPA clean air science advisory
7 committees to review and consider the best
8 science to support the federal standards for
9 ozone, PM, NOx, and SOx. Academically, I
10 trained as an environmental engineer in the
11 chemistry and physics of air pollution.

12 My comments, therefore, are directed
13 at both the environmental and health
14 implications of a possible revocation of the
15 Endangerment Finding. In my opinion,
16 revocation will have direct and negative
17 consequences on both air quality and the
18 public's health.

19 From an environmental standpoint, air
20 quality is directly affected by the release of
21 the greenhouse gases named in 2009 Finding.
22 These contaminants interact in both direct and
23 indirect ways to drive airborne chemical
24 reactions and increase other pollutants, such
25 as ozone, NO2 and PM. For example, methane in

1 the atmosphere reacts with hydroxy radicals
2 involved in the production of ozone and results
3 in increased ozone in the troposphere, which is
4 the portion of the atmosphere where we live and
5 breathe. In a similar manner, increased
6 nitrous oxides and hydrocarbons lead to higher
7 nitrogen oxides and particulate formation in
8 the air.

9 The health effects of air pollution
10 are well documented with over 62,000 published
11 health studies from around the world. These
12 studies have reported health effects in almost
13 every organ system of the body, from your lungs
14 to your brain to your heart to your kidneys.

15 My primary research focus has been on
16 the respiratory development of children, what
17 affects their lung health and how we might
18 improve every child's respiratory health
19 trajectory as they grow.

20 Revocation of the Endangerment Finding
21 will lead to continued and increasing emissions
22 of greenhouse gases, making air pollution
23 worse, reducing children's respiratory health,
24 increasing their respiratory symptoms and
25 causing lifelong respiratory health issues.

1 The good old days were not good for
2 air quality or public health. I ask you to not
3 revoke the 2009 Endangerment Finding. Thank
4 you.

5 FACILITATOR ANN: Thank you for your
6 comments. Our next speaker is Jessica
7 Sullivan.

8 MS. SULLIVAN: Jessica Sullivan and I
9 live in Arlington, Massachusetts. I'm here
10 today to ask the EPA not to repeal the
11 Endangerment Finding.

12 The stories I have of the impact of
13 climate change on my life are much like the
14 stories that you --

15 FACILITATOR ANN: I'm sorry, Ms.
16 Sullivan, your audio is very low.

17 MS. SULLIVAN: Is that better?

18 FACILITATOR ANN: Much better.

19 MS. SULLIVAN: Great. So hi, I'm
20 Jessica, I live in Arlington, Massachusetts,
21 and I'm here to ask the EPA to not repeal the
22 Endangerment Finding.

23 The stories of climate change impact
24 on my life are much like other stories you've
25 heard today. I have friends whose

1 neighborhoods were shut down due to massive
2 flooding in New York City caused by super storm
3 Sandy. And, I have colleagues whose whole
4 families were displaced from the flooding in
5 Montpelier, Vermont, in 2023. There have been
6 days when I've had to keep my children home
7 from summer camp due to wildfire smoke that
8 made the air hard to breathe, or 102 degree
9 temperatures in Boston, Massachusetts. It's
10 now routine that by the dog days of summer,
11 many swimming holes and ponds near me are
12 closed due to harmful algae blooms that
13 scientists link to our changing climate. And,
14 those are just typical stories that any of the
15 people on this call could tell you.

16 I've been working in the field of
17 public health for 25 years, and it's an
18 accepted and established fact in my field that
19 climate change has a huge negative impact on
20 human health. It's not just the natural
21 disasters like floods and droughts and
22 wildfires and hurricanes and tsunamis and
23 extreme heat, it's also the increasing spread
24 and breadth of vector-borne diseases, such as
25 Malaria and Lyme disease, and it's the impact

1 of changing weather patterns on sanitation and
2 water supply and other infrastructure that
3 leads to the spread of disease.

4 EPA's stated mission is to protect
5 human health and the environment. So please do
6 that, do that and not this, not repealing the
7 Endangerment Finding. I am deeply grateful for
8 the opportunity to be here today and I want to
9 thank you very much for the time and the effort
10 that went into the planning and
11 operationalizing of this public forum. It is
12 an honor and a privilege to speak to you all
13 today on behalf of myself and my community.
14 Thank you.

15 FACILITATOR ANN: Thank you for your
16 comments. Our next speaker is James Clifford.
17 Mr. Clifford, are you able to come off mute?

18 MR. CLIFFORD: Yes, I just unmuted,
19 but it said that you -- I couldn't turn my
20 camera on. Okay, there we go, I believe.
21 Let's see. Thank you very much. My name is
22 James Clifford, and I am a former lawyer and
23 social studies teacher. Most importantly, I'm
24 here as a father and grandfather concerned with
25 the existential crisis posed by a rapidly

1 changing climate, and, quite frankly, a
2 President and political appointees that don't
3 care.

4 I implore you to resist any attempts
5 to rescind the EPA's 2009 Endangerment Finding.
6 As you know, the Finding was based on the most
7 authoritative and comprehensive scientific
8 assessments, they've synthesized thousands of
9 peer-reviewed studies, underwent multiple
10 rounds of expert and government review, and it
11 represents the consensus of the world's leading
12 scientists. The scope of this evidence was
13 vast. It documented rising temperatures,
14 shrinking snow pack, sea level rise, extreme
15 weather events, and other impacts that directly
16 harm Americans' health, safety, and economic
17 well being.

18 The EPA determined based upon multiple
19 converging lines of evidence that six
20 greenhouse gases, not simply CO₂, it also
21 includes methane, nitrous oxide, and others,
22 endangered the public health and welfare of
23 current and future generations.

24 So what has happened since 2009, are
25 temperatures declining? Have droughts and

1 wildfires declined? Are sea levels falling?
2 Is our weather less extreme? Obviously, it's
3 no to all of these questions. So what has
4 changed? Why are we here? Frankly, most of
5 the American people believe it's all about
6 power, money, and politics.

7 These interests have challenged the
8 Endangerment Finding numerous times in court
9 and lost. They have now persuaded the
10 President and others to disregard science,
11 disregard the courts, the will of the Congress,
12 and, most importantly, the American people. So
13 we need you more than ever. Please, EPA
14 members, please fulfill your duty to protect
15 the public based upon the best available
16 evidence.

17 The Department of Energy's five person
18 fossil fuel report is, quite frankly, laughable
19 the evidence is so weak, but the stakes are
20 much too high to laugh. Please stand up for
21 the American people, protect our environment as
22 you swore that you would do so when you assumed
23 your roles, protect our children and
24 grandchildren, and do all that you can to stop
25 these assaults against our environment. We're

1 counting on you to do the right thing. Thank
2 you.

3 FACILITATOR ANN: Thank you for your
4 comments. Our next speaker is Jay Weisbond.

5 MR. WEISBOND: Good afternoon. Can
6 you hear me?

7 FACILITATOR ANN: Yes.

8 MR. WEISBOND: Okay, awesome. Thank
9 you for the opportunity to testify today. My
10 name is Jay Weisbond. I'm a public policy
11 assistant for the New Jersey League of
12 Conservation Voters, and we are the statewide
13 political voice of the environment, so we
14 advocate for clean air, clean water, and
15 equitable access to outdoor spaces for all New
16 Jerseyans.

17 And today, I urge the EPA to protect
18 the strongest possible limits on vehicle
19 pollution and not rollback the Endangerment
20 Finding. Here in New Jersey, these standards
21 provide much needed relief from the burden of
22 diesel fumes, climate impacts, and air
23 pollution. This is a devastating setback to
24 public health and the health of our
25 communities. Everyone has the right to clean

1 air, safe water, and healthy environments.

2 States have both the authority and the
3 responsibility to protect their citizens from
4 harmful pollution. If federal agencies fail to
5 do so, state leaders must act to advance clean
6 vehicle policies that safeguard air quality and
7 support strong climate action. Federal
8 tailpipe pollution standards serve as the
9 lowest common denominator applied without
10 regard for the severity of local conditions.

11 The Clean Air Act has recognized this
12 gap, allowing states to adopt stronger than
13 federal protections and make specific decisions
14 to their own state's needs. Now, with Congress
15 illegally revoking those waivers and the EPA
16 rolling back baseline protections, the hardest
17 hit states are left even more vulnerable.

18 Those in Congress and in the White
19 House might hide behind climate denial and
20 fossil fuel misinformation, but the American
21 people don't have that privilege. Those who
22 are facing super storms, extreme heat, and the
23 using of their inheritors due to dangerous air
24 quality, know better. Climate change is real,
25 they deserve better, they deserve action, and

1 collectively we must stand up to this dangerous
2 misinformation and lead the way towards a
3 healthier, more resilient communities.

4 Transportation is, as many others
5 point out, a major driver of both climate
6 change and harmful air pollution, and it makes
7 it harder for our vulnerable populations,
8 including seniors, children, and those with
9 respiratory conditions like asthma to breathe.
10 And this Administration is challenging the very
11 foundation of climate science and has made it
12 clear that they will continue to weaken federal
13 air and climate safeguards.

14 The EPA's Endangerment Finding is
15 firmly rooted in statutory authority and
16 overwhelming body of scientific evidence. For
17 more than 15 years, the agency has reviewed the
18 latest science on climate pollutions harms,
19 evidence that has only strengthened the
20 findings validity, and courts have unanimously
21 upheld it, citing what the DC circuit called
22 the ocean of record evidence.

23 And as climate change pushes U.S.
24 temperatures to new records year after year,
25 the human toll is rising. The number of

1 Americans dying from extreme heat has doubled,
2 more than doubled since 1999. So rolling back
3 the --

4 FACILITATOR ANN: Thank you, thank you
5 for your comments. Our next speaker is Erin
6 Sprague.

7 MS. SPRAGUE: Administrator Zeldin and
8 members of the EPA, my name is Erin Sprague,
9 CEO of Protect Our Winters, a bipartisan
10 nonprofit and movement for clean air, clean
11 water, and a healthy planet.

12 We represent the outdoor state, 181
13 million Americans who ski, ride, hike, hunt,
14 fish, and spend time outside. We also work
15 directly with more than 100 companies in the
16 \$1.2 trillion outdoor economy. These are
17 millions of good jobs that depend on a stable
18 climate. On their behalf, I urge you to keep
19 the Endangerment Finding.

20 Most Americans are concerned about
21 climate change and want limits on greenhouse
22 gas pollution. The past 10 years have been the
23 warmest on record and our athlete ambassadors
24 experience these impacts every day. One of our
25 team USA Olympic gold medalist skiers told us

1 most of her winter races are now on a strip of
2 dirty, icy, dangerously fast man-made snow
3 amidst mud and green grass. We aren't just
4 losing snow, we're losing one of our greatest
5 sources of joy, identity, and livelihood.

6 Additional costs are also real and
7 rising. Climate related disasters now cost in
8 the triple digit billions annually, adding up
9 to several percentage points of our GDP. In
10 Colorado, one of our ski resort partners has
11 lost 20 percent of its season to rising
12 temperatures. Our very first office burned
13 down in the Palisades fire in Los Angeles. We
14 have members who have lost homes and businesses
15 to hurricane flooding in inland North Carolina.

16 Heats, fires, and floods are
17 accelerating because of carbon pollution, and
18 taxpayers are paying the price. Keep the
19 Endangerment Finding to give Americans a
20 fighting chance. Keep it for clean air, clean
21 water, and a livable future. Protect health,
22 jobs, and lives in every state. Stand with the
23 American people, not fossil fuel interests, and
24 preserve your strongest tool to stop pollution.

25 Administrator Zeldin, this decision

1 will be remembered. Keep the Endangerment
2 Finding in place and we hope you enjoy a nice
3 day outside soon. Thank you.

4 FACILITATOR ANN: Thank you for your
5 comments. Our next speaker is Harry Katz.

6 MR. KATZ: Good afternoon. My name is
7 Harry Katz, I live in Redmond, Washington.

8 Imagine a hypothetical scenario.
9 Suppose that all of the world's current and
10 historical anthropogenic greenhouse gas
11 emissions were produced by, say, 50 foreign
12 countries, and that the United States produced
13 none, zero. Now, in this situation, America
14 would still be feeling the effects of climate
15 change. Americans would still experience more
16 intense forest fires, floods, and droughts,
17 more deadly heat waves. The only difference
18 is, none of this would be caused by our
19 actions, it would all be caused by those 50
20 foreign countries.

21 What would the U.S. do in this
22 situation?

23 What would our policy be?

24 Would the U.S. accept excuses that
25 restricting greenhouse gas emissions would be,

1 quote, futile, because other countries say they
2 only contribute small fractions of the global
3 total?

4 Would we allow disputed claims from a
5 few of their handpicked outlier scientists to
6 contradict overwhelming evidence from America's
7 own scientists?

8 Would we turn a blind eye as more
9 Americans die each year during floods and heat
10 waves we did not cause and would we tolerate a
11 foreign assault on the well-being of our
12 children and their children and the world they
13 will inherit?

14 Of course not. America would take
15 decisive action, we would exert every possible
16 pressure to compel those other countries to
17 reduce their greenhouse gas emissions. We
18 would expect each of them to do their fair
19 share.

20 Well, if we would not accept evasion
21 and inaction from other countries, why should
22 we tolerate it from our own government?
23 Because, in fact, the U.S. is one of the
24 largest greenhouse gas emitters and we are
25 major contributors to global climate change.

1 We would never let other countries
2 threaten the health and the welfare of our
3 people or burden our economy with the enormous
4 costs of climate change, so why would we do it
5 to ourselves. Rescinding the 2009 Endangerment
6 Finding and repealing greenhouse gas
7 regulations will harm us, our economy, and our
8 planet for this generation and generations to
9 come. I urge the EPA to do its job of
10 protecting human health and the environment.
11 Keep the Endangerment Finding, keep regulating
12 greenhouse gas emissions. Thank you.

13 FACILITATOR ANN: Thank you for your
14 comments. Our next speaker is Kathleen
15 Shapley-Quinn.

16 DR. SHAPLEY-QUINN: Hello, and thank
17 you for having the opportunity for us to
18 testify. My name is Kathleen Shapley-Quinn, I
19 am a family physician. I've provided care to
20 thousands of North Carolinians over the past 26
21 years, both as a medical director for a local
22 health department as well as a private practice
23 physician.

24 In September of 2021 more than 200
25 medical journals around the world, including

1 the New England Journal of Medicine, published
2 an editorial stating that climate change is
3 happening and that climate change presents the
4 greatest threat to human health of this
5 century. I had glimpses of this years ago when
6 I learned of a young child who died of an
7 asthma attack, and when I saw many patients who
8 developed allergies late in life or had
9 significant exacerbations of existing allergy
10 diagnoses.

11 I particularly want to share a story,
12 though, about a pregnant woman. This woman,
13 fortunately, had an uncomplicated pregnancy and
14 delivery. Every time I learned about a mom or
15 baby who had a healthy delivery, I gave a quiet
16 sigh of relief. She's made it through what 100
17 years ago would be a potentially major test of
18 survival. High heat is a new threat to
19 pregnancy in many ways. This woman, though,
20 died within the first few months after her
21 delivery, not due to a medical complication,
22 rather, in the hot summer months following her
23 pregnancy she tried to intervene in an
24 altercation between her partner and an
25 acquaintance. For this good deed, she paid

1 with her life.

2 Clearly, this story has many unknowns.
3 Despite the unknowns, there are some things we
4 do know. Heat worsens mental health for many
5 of us with or without preexisting mental health
6 diagnoses. It also increases violence. A 2024
7 Yale study showed that increased temperatures
8 were correlated with increased violent crime,
9 assault, and homicide. And we know from the
10 Centers for Disease and Prevention that
11 homicide, suicide, and drug overdose are the
12 leading causes of pregnancy associated death.
13 This recipe then, high heat, high stress,
14 potentially with some other trigger, elucidates
15 the situation that may have led to my patient's
16 death. I fear this may be the proverbial
17 canary in the coal mine.

18 This is not a time to ignore science.
19 Greenhouse gases feed climate change, including
20 violence. We must protect, we must promise our
21 children we've done everything we possibly can
22 to protect their future, you must uphold the
23 Endangerment Finding. Thank you.

24 FACILITATOR ANN: Thank you for your
25 comment. Our next speaker is Marilyn Trent.

1 MS. TRENT: My video isn't coming on,
2 is that okay?

3 FACILITATOR ANN: One moment.

4 MS. TRENT: Let's start. Oh, hi,
5 hello. Fine. Good evening, EPA
6 administrators, and thank you for this
7 opportunity to speak. I am here to urge you to
8 not repeal or weaken the Endangerment Finding
9 and greenhouse gas vehicle standards, which
10 provide the legal basis to regulate greenhouse
11 gas emissions. My name is Marilyn Trent and I
12 am here as a private individual and small
13 business owner who has worked with hundreds of
14 businesses for over 34 years. I also serve on
15 the Rochester City Council in Michigan.

16 I've seen up close how climate change
17 is altering everyday life in Rochester by
18 affecting our neighbors' health and
19 infrastructure and our economy in our city.
20 The signs are clear. Most recently with
21 intense rainstorms that flooded neighborhoods
22 and damaged our trails, including one collapse
23 that will cost taxpayers \$4.2 million to repair
24 because of an unprecedented rain event. That's
25 just a little collapse and that's a big price

1 tag.

2 Winters arrive later and leave
3 earlier, cutting into outdoor traditions that
4 support local tourism. Hotter summers and wild
5 fire smoke bring more days of unsafe air,
6 limiting the edge of our parks and trails --
7 limiting the use of our parks and trails.
8 These impacts are hitting small businesses,
9 harming tourism, and degrading quality of life.

10 Rochester has acted, and we have been
11 proactive. We've been named a Tree City by
12 adding over 100 trees, and are one of four
13 Monarch champion cities in the nation
14 designated by the National Wildlife Federation.
15 We turned a former garbage dump into a thriving
16 mini forest and added hundreds of native
17 plantings to our public lands. And our
18 residents are also doing their part, planting
19 rain gardens and native plants to soak up more
20 water and toxin-building resilience. We know
21 that protections work.

22 The Clean Air Act cut dangerous
23 pollutants by over 70 percent since 1970, even
24 our economy at that hasn't -- although our
25 economy has tripled and has not stopped growth.

1 By 2020 it prevented over 200,000 premature
2 deaths each year. The Clean Air Act turned
3 rivers that once caught on fire into waterways
4 that are now fishable and swimmable again.
5 These bipartisan success has proved that strong
6 standards protect both health and the economy,
7 and they are popular. A recent survey found 86
8 percent of voters, including 76 percent of
9 Trump voters, oppose weakening the EPA, and 88
10 percent want it's funding maintained or
11 increased, clean water and --

12 FACILITATOR ANN: You're at time.

13 MS. TRENT: Okay.

14 FACILITATOR ANN: Thank you. Please
15 feel free to submit your comments online.
16 We're now at the end of our afternoon session.
17 EPA, are you ready to recess for the scheduled
18 dinner break?

19 MR. CHARMLEY: Yes, we're ready to
20 take a recess until 6 p.m. Eastern time. Thank
21 you.

22 FACILITATOR ANN: Thank you. We are
23 now adjourning for dinner break. The virtual
24 meeting room will remain open, please feel free
25 to maintain your connections or rejoin a few

1 minutes early. We will resume promptly at 6
2 p.m. Eastern time. Thank you.

3 (Whereupon, a recess was taken.)

4 FACILITATOR ANN: It's 6:00. I'd like
5 to welcome you back to the United States EPA's
6 virtual public hearing for the Reconsideration
7 of 2009 Endangerment Finding and greenhouse gas
8 vehicle standards. My name is Ann, and I will
9 serve as your meeting facilitator for today's
10 hearing. We are now ready to resume the
11 hearing.

12 EPA, are you ready to continue?

13 MR. CHARMLEY: Yes, Ann, we are.

14 FACILITATOR ANN: Very well. We will
15 now continue our public testimony. The
16 speaking order is currently displayed on
17 screen. As a reminder, we ask that each person
18 limit their verbal testimony to two-and-a-half
19 minutes and speak slowly and clearly for the
20 benefit of the Court Reporter and Closed
21 Captioning Team. Due to the large volume of
22 registered speakers and registrants already on
23 the wait list to provide oral testimony during
24 this hearing, we will be strictly enforcing the
25 two-and-a-half minute time limit for each

1 speaker. Thank you in advance for your
2 cooperation to ensure we hear from as many
3 attendees as possible.

4 As a check in before I continue, you
5 should be now seeing an invite to be promoted
6 to panelists. On the screen is the panel that
7 we're about to begin, Panel 29, and right next
8 to that is the next panel, Panel 30. Please be
9 attentive to your screen and do not
10 accidentally decline the invite to be promoted
11 to panelists, it is the only way we can call
12 upon you to speak at the time of your
13 testimony.

14 Also, if you have logged in under
15 someone else's name, perhaps using someone's
16 computer, please be sure to rename yourself so
17 that we know that you're in the room to send
18 the invite to be promoted to panelists.

19 If you have any additional comments
20 that you're not able to provide today, you can
21 also submit them through the docket at
22 www.regulations.gov using Docket ID
23 EPA-HQ-OAR-2025-0194.

24 I will now begin calling on each
25 speaker one at a time in the order displayed on

1 the screen. We ask that you not come off
2 camera or unmute yourself until called to
3 speak. Our first speaker is Natalie Levine.

4 MS. LEVINE: Hello. Good evening. My
5 name is Natalie Levine, and I'm the Campaign
6 Director for the Clean Air Program at National
7 Parks Conservation Association. My colleague
8 Ula Reeves testified earlier today on our
9 opposition to the repeal of the Vehicle
10 Emission Standards. I'll be speaking to our
11 strong opposition to the repeal of the
12 Endangerment Finding.

13 Many peer-reviewed studies demonstrate
14 the scientific fact that greenhouse gases are
15 driving climate change and climate change is
16 endangering every facet of our environment.
17 This Administration's rush to destroy America's
18 ability to address the sources of pollution
19 that are driving climate change means setting
20 our National Parks, and the millions of people
21 who treasure them, up for existential failure
22 and catastrophic loss of future enjoyment and
23 healthy existence on this planet.

24 Climate change is by far the most
25 serious threat facing America's beloved

1 National Parks. Climate change is undeniably
2 causing harm to parks in at least these ways:
3 More intense storms and sea level rise, leading
4 to coastal and inland flooding, increasing
5 temperatures and drought conditions leading to
6 a loss of snow, pack ice and glaciers, loss of
7 native wildlife and plant life and the spread
8 of invasive species, loss of namesake iconic
9 natural wonders like Joshua trees and saguaro
10 cacti, and altered visitation patterns that
11 contribute to losses in valuable tourism
12 revenue.

13 Some specific examples of climate
14 impacts on parks include: Altering the range
15 for the majestic grizzly bear and the
16 Yellowstone ecosystem. Its important food
17 sources are dying, including white bark pines,
18 which are falling victim to more aggressive
19 warm weather loving pine bark beetles. Extreme
20 marine heat in South Florida is placing
21 unprecedented stress on sea grass meadows and
22 coral reefs in Everglades and Biscayne National
23 Parks, endangering a world renowned ecosystem.

24 Large, fast burning wildfires have
25 exploded at parks across the Southwest this

1 summer, including burning hundreds of thousands
2 of acres at the Grand Canyon's North Rim,
3 including destroying the Grand Canyon Lodge and
4 cabins and employee housing, displacing 200
5 employees. Wildfires still burn at Black
6 Canyon of the Gunnison National Park in
7 Colorado, which had to completely close to
8 visitors in July.

9 On behalf of NPCA and our more than
10 1.6 million members nationwide, I strongly urge
11 you to rescind the repeal of the Endangerment
12 Finding, as climate change is endangering
13 public health and the environment. It is
14 indeed the mission of the EPA to protect public
15 health and the environment. Thank you.

16 FACILITATOR ANN: Thank you for your
17 comments. Our next speaker is Tina Catron.

18 I'm sorry, before you start speaking I
19 see a message that our participants are not
20 seeing the captions, I'm going to ask my team
21 just to check on that. And go ahead, Ms.
22 Catron.

23 MS. CATRON: Okay. Thank you so much.
24 Thank you for having us all here in order to
25 make public comment on this very important

1 topic and this move by the EPA. So my name is
2 Tina Catron, I work with EDF Action in the
3 state of Michigan.

4 And, I just wanted to take a couple
5 minutes just to sort of reiterate which what
6 I'm sure many have already stated, that rolling
7 back the EPA's Endangerment Finding would be
8 reckless and it would be deeply harmful to many
9 in the communities that are in very vulnerable
10 positions. This is a harmful step towards our
11 environment, our public health, our legal
12 responsibility to act on climate change.

13 This Endangerment Finding, which was
14 established in 2009, is grounded in an
15 overwhelming body of scientific evidence. It
16 states clearly that greenhouse gases, like
17 carbon dioxide and methane, pose a threat to
18 public health and welfare. This Finding is not
19 just a policy preference, it's a legal
20 obligation under the Clean Air Act. It gives
21 the EPA the authority and the duty to regulate
22 emissions that are fueling climate change.
23 There is no denying that in this moment in
24 time.

25 Since its adoption, the Endangerment

1 Finding has underpinned major climate policies,
2 from fuel efficiency standards to power plant
3 regulations. Rolling it back would dismantle
4 the very foundation of federal climate action.
5 It would mean ignoring decades of peer-reviewed
6 science, Supreme Court precedent, and the lived
7 reality of millions of Americans already facing
8 rising seas, extreme heat, wildfires, and
9 worsening air quality.

10 I can tell you that I am in Colorado
11 at the moment and when I arrived there was so
12 much wildfire smoke that I could not see the
13 mountains from the airport. So I urge the EPA
14 to do the right thing and to not -- reconsider
15 not rolling back the Endangerment Finding.
16 Thank you so much.

17 FACILITATOR ANN: Thank you for your
18 comments. Bear with me for one moment, we're
19 trying to resolve the issue with the
20 captioning. I was told to keep moving forward,
21 fair enough.

22 Our next speaker is Robert Byron.

23 DR. BYRON: Good evening, and thank
24 you for the opportunity to speak. My name is
25 Robert Byron, spelled B-Y-R-O-N. I'm an

1 internal medicine physician who's practiced for
2 several decades in southern Montana. I speak
3 on behalf of the Montana Health Professionals
4 for a Healthy Climate, of which I'm a board
5 member, and also on behalf of my patients.

6 I strongly urge the EPA not to repeal
7 the Endangerment Finding. During my over three
8 decades of practicing in Montana, I've seen the
9 impacts of climate change on my patients. With
10 increasing frequency of heat waves and larger
11 numbers of acres burned in wildfires, I've had
12 to warn more patients earlier in the year
13 regarding the dangers of heat and wildfire
14 smoke, especially those with underlying
15 cardiovascular and pulmonary conditions who are
16 at increased risk of suffering adverse outcomes
17 from exposure to heat or smoke, both from their
18 medical conditions and the medications used to
19 control them.

20 The community where we live now, Red
21 Lodge Montana, was devastated by the same flood
22 event that struck Yellowstone National Park in
23 June of 2022, flooding that was caused by a
24 rain on snow event, which was almost impossible
25 to occur without anthropogenic climate change,

1 and along with other extreme weather events are
2 increasing in frequency as our planet warms.

3 Starting with the First National
4 Climate Assessment in 2000 and with each
5 subsequent report through the Fifth National
6 Climate Assessment in 2023, hundreds of experts
7 citing thousands of peer-reviewed studies,
8 detailed the current and projected impacts on
9 health, lives, and livelihoods of people in the
10 United States. Exposure to more infectious
11 diseases, both more frequent and greater
12 numbers of mental health issues, and more
13 emergency room visits and hospitalization
14 caused by heat, smoke, and pollen have all been
15 documented in multiple studies. From heat
16 alone, deaths in United States have increased
17 by 117 percent from 1999 to 2023, according to
18 a 2024 study.

19 All of these are the result of climate
20 change caused by greenhouse gases, primarily
21 CO₂, but also methane and others. While CO₂
22 may not have immediate health impacts, to
23 suggest that it, and other greenhouse gases, do
24 not affect health through their contribution to
25 climate change, ignores the science, which

1 overwhelmingly supports climate change and the
2 impacts of greenhouse gases.

3 For these reasons, I strongly urge the
4 EPA not to repeal the 2009 Endangerment
5 Finding. Thank you.

6 FACILITATOR ANN: Thank you for your
7 comments. Our next speaker is Sheila Tarbet.
8 We see that you're off mute.

9 MS. TARBET: Okay. Yes, I'm just
10 trying to get my camera up. Yeah, here we go.
11 Thank you.

12 FACILITATOR ANN: You're welcome.

13 MS. TARBET: Okay, yes. Thank you
14 very much for the opportunity to speak. I'm
15 Sheila Tarbet, a retired health program planner
16 from El Cerrito, California. I'm a member of
17 Elders Climate Action and I'm the chair of the
18 Climate Justice Committee of the Unitarian
19 Universalist Church of Berkeley, California.
20 The Climate Justice Committee has authorized me
21 to speak on their behalf.

22 We are strongly opposed to the
23 proposed rollback of the Endangerment Finding.
24 We know that climate change and human-caused
25 emissions endanger public health today, as well

1 as for future generations. We see with our own
2 eyes many impacts of climate change.

3 One is increased wildfires in suburban
4 as well as rural areas. We've had to protect
5 ourselves against deadly smoke from fires in
6 other parts of the region where we live. A few
7 years ago we had what we refer to as the orange
8 day, when we woke up to orange smoke hanging in
9 the sky blocking out the sun.

10 Family members in nearby Fairfield,
11 California, have had to evacuate their suburban
12 homes several times over the last couple of
13 years because of wildfire threat. The
14 neighborhood in Lafayette, Colorado, where
15 other family members live, had to evaluate due
16 to the Marshall fire a few years ago.
17 Thankfully our relative's homes were not --
18 home was not burned, but the fire came very
19 close, and a thousand other homes very close by
20 were destroyed.

21 We know that burning fossil fuels
22 sends particulate matter and greenhouse gases
23 into the air and the particulates are linked to
24 increases in asthma, heart disease, respiratory
25 illness, preterm births, low birth weight

1 babies. We know that frail elders and children
2 are especially susceptible. So we know that in
3 our neighboring communities close to the
4 refinery these problems are worse.

5 So for these reasons, we urge you to
6 not rollback the Endangerment Finding. Thank
7 you for the opportunity to speak.

8 FACILITATOR ANN: Thank you for your
9 comments. Our next speaker is Yvonne Collins.

10 MS. COLLINS: Thank you for allowing
11 me to testify. I am an oncologist, a member of
12 the American College of Obstetrics and
13 Gynecology, and the National Medical
14 Association's Council on Environmental Health
15 and Climate Change. I care for women from some
16 of the most under resourced communities in
17 Chicago. I am here today to express my concern
18 over the plan to appeal EPA's 2009 Endangerment
19 Finding, which correctly identifies air
20 pollutants as a threat to public health.

21 According to the National Institute of
22 Environmental Health Sciences, air pollution is
23 responsible for more than 6.5 million deaths
24 each year globally. The American Lung
25 Association estimates that transitioning to

1 cleaner vehicles and energy sources could
2 generate \$1.2 trillion in health benefits and
3 prevent 11,000 premature deaths. We can
4 achieve this by protecting clean air and
5 reducing emissions.

6 Transportation emissions account for
7 29 percent of greenhouse gases and are a major
8 source of pollution, which contributes to
9 asthma, cardiovascular disease, and premature
10 deaths.

11 In my practice I see it this way, MH
12 is a 56-year-old black female with asthma, who
13 had recently been treated for endometrial
14 cancer. During one of the poorest air quality
15 days in Chicago, her course changed forever.
16 She did not have an air conditioner and had to
17 open her windows for air, despite the increased
18 pollution and poor air quality. She
19 subsequently died. Her death could have been
20 prevented.

21 For women, air pollution increases the
22 risk of delivering babies before its time,
23 having low birth weight babies and increased
24 depression after delivery.

25 As a physician, I work to protect my

1 patients. This proposal is a dangerous
2 reversal of science-based protections and
3 overturning it would increase air pollution and
4 worsen our health. Thank you for your time. I
5 urge the EPA to uphold the Endangerment Finding
6 and maintain its authority to regulate air
7 pollution. Everyone deserves clean air to
8 breathe. We are all counting on you. Thank
9 you.

10 FACILITATOR ANN: Apologies, technical
11 glitch. Our next speaker is Susan Stephenson.
12 Thank you for your comments.

13 MS. STEPHENSON: Hi. Thank you. My
14 name is Susan Stephenson, I'm based in Oakland,
15 California. I appreciate the opportunity to
16 testify today. And I'm commenting on behalf of
17 California Interfaith Power and Light, we're a
18 coalition of 735 houses of worship of all
19 faiths across the state of California.

20 We're very concerned about the impact
21 of climate change on our communities. We feel
22 a call to care for creation and to be good
23 stewards. We're trying to do our part by
24 refurbishing our buildings to save energy and
25 reduce emissions, but we know our actions alone

1 are not enough.

2 We're experiencing the harms of
3 climate change in myriad ways, from extreme
4 heat to drought. Most tragically with the Los
5 Angeles fires earlier this year, which
6 destroyed over a dozen houses of worship,
7 amongst many other things. And faith leaders
8 in this area have stepped up to support their
9 communities and parishioners, many of whom have
10 lost homes, lives, and livelihoods.

11 We are opposed to the proposed
12 Reconsideration of the 2009 Endangerment
13 Finding and the proposed rollback of Vehicle
14 Emission Standards. We urge you to honor the
15 integrity of the Endangerment Finding and
16 continue to promulgate clean air standards for
17 vehicles that will reduce carbon pollution.

18 Some of the most important of these
19 standards are the vehicle standards. Emissions
20 from vehicles is creating unhealthy air
21 pollution and shortening lives. Vehicles are a
22 major source of global warming pollution. And,
23 the number of Americans dying from heat
24 exposure has more than doubled in the past 25
25 years. Almost half of these deaths are in

1 Arizona, Nevada, California, and Texas.

2 Rolling back the Clean Vehicle
3 Standards would cause more than 8 billion tons
4 of additional climate pollution to be emitted
5 into the atmosphere by 2055. Abandoning these
6 standards with the knowledge of the harm it
7 will cause to the environment and to human
8 health, including loss of life, is simply
9 unconscionable, it's also counter to the EPA's
10 mission. Rolling back these standards will
11 increase death and disease, and especially harm
12 children the elderly and people with asthma or
13 lung disease.

14 For all these reasons, I urge you to
15 retain and respect the Endangerment Finding and
16 continue to require reductions in vehicle
17 emissions. Thank you.

18 FACILITATOR ANN: My apologies, I'm
19 having a technical issue on my side. Our next
20 speaker is Joel Creswell.

21 MR. CRESWELL: Good afternoon. I'm
22 Joel Creswell testifying on behalf of the
23 Washington State Department of Ecology in
24 strong opposition to the EPA's proposal to
25 reconsider the 2009 Endangerment Finding and

1 Federal greenhouse gas vehicle standards.

2 This proposal flies in the face of
3 half a century of scientific consensus and
4 conflicts with the EPA's legal obligations to
5 protect the public from pollution under the
6 Clean Air Act. Moving forward with this
7 proposal would take us backward at a time when
8 we can't afford to lose ground.

9 In Washington, the impacts of climate
10 change are already upon us. This year we
11 declared drought again for the sixth time in 10
12 years. In a state known for having abundant
13 water, we're now facing crippling water supply
14 issues. That's just one example of our new
15 normal, and we know we're not alone.

16 We are deeply concerned about this
17 proposal's effects on pollution from vehicles,
18 the biggest contributor to climate change in
19 our state and nationally, and a major hindrance
20 to quality of life in communities suffering
21 from poor air quality. Washington has acted
22 decisively to reduce transportation emissions.
23 We joined other states in adopting stronger
24 vehicle standards to give consumers more clean
25 car options, enacted a clean fuel standard

1 that's boosting low carbon fuels, and invested
2 hundreds of millions of state dollars in zero
3 emission vehicles and charging infrastructure.

4 These policies are working. 20
5 percent of new vehicles sold in Washington in
6 2024 were zero emission or plug in hybrid, more
7 than double the national average. Our state is
8 proof that it's possible to reduce emissions
9 and have one of the fastest growing economies
10 in the nation. In fact, we're seeing the
11 transition to clean energy drive economic
12 growth and lower energy costs.

13 The EPA and Congress have already
14 threatened Washington's ability to enforce our
15 stronger standards on vehicle pollution. These
16 actions are illegal and we're confident the
17 courts will agree. But, rolling back minimum
18 national standards would strip away a critical
19 safety net for all Americans.

20 The EPA's proposal is legally and
21 scientifically flawed. The Statute and the
22 Supreme Court have been crystal clear,
23 greenhouse gases are air pollutants under the
24 Clean Air Act and the EPA has the duty to
25 regulate them. Claiming that vehicle emissions

1 would not measurably impact climate change
2 ignores overwhelming scientific evidence and
3 EPA's own findings that regulate vehicle
4 pollution yields trillions of dollars in net
5 benefits.

6 I urge you to reject this proposal and
7 instead strengthen not weaken the nation's
8 commitment to clean transportation and the
9 fight against climate change. I urge you to
10 choose the future and not the past. Thank you
11 very much.

12 FACILITATOR PAM: Thank you for your
13 comment. Our next commenter is Elizabeth
14 Hansen. Elizabeth, I apologize for skipping
15 over you before.

16 DR. HANSEN: Oh, thank you so much for
17 having me, I appreciate it. Good evening. I'm
18 Dr. Elizabeth Hansen. I'm a pediatric
19 anesthesiologist and a mother and a member of
20 Washington Physicians for Social
21 Responsibility. I urge the EPA not to repeal
22 the Endangerment Finding.

23 I care deeply about the future of our
24 planet's health. For the sake of my patients
25 and my own kids, we need the EPA to regulate

1 emissions from engines and vehicles to ensure
2 the safety and health of our communities,
3 including those most vulnerable among us,
4 children. Climate change and extreme heat made
5 worse by increasing carbon emissions directly
6 harm children, even before they are born.

7 Young children are more susceptible to
8 that due to their smaller size, less developed
9 lungs, and decreased ability to regulate their
10 body temperatures. Extreme heat puts them in
11 danger as they play outside. Emergency room
12 visits increase on the hottest days, air
13 pollution from vehicles makes them sick in
14 their communities by increasing their risk of
15 asthma and other breathing issues.

16 We have the studies to prove it, and
17 many have testified about those, but we can all
18 see it with our own eyes. The planet is
19 warming up and fumes from traffic make it
20 harder to breathe.

21 There is good news, though, as was
22 just mentioned, through American innovation and
23 ingenuity we can design cars, buses, and trucks
24 that emit less and pollute less. Electric
25 vehicles are amazing, getting more affordable,

1 and can be made right here at home in the U.S..
2 We should continue to lead the world in the
3 development of cleaner, more efficient, and
4 better vehicles. It's the right thing to do
5 and it's my prescription for a healthier planet
6 for our kids and communities. Thank you.

7 FACILITATOR PAM: Thank you for your
8 comment. Our next commenter is Ann Yates.

9 MS. YATES: Hello. Thank you for
10 allowing me to speak today. I strongly oppose
11 reconsidering the 2009 Endangerment Finding.

12 I have been a registered nurse for 28
13 years and a psychiatric nurse practitioner for
14 12, and during those years I have kept up with
15 medical research in scholarly journals, often
16 randomized controlled trials, which are the
17 gold standard for medical research. Numerous
18 studies have explored how pollution and
19 environmental degradation and now global
20 warming induced natural disasters, drought,
21 erosion, flooding, and severe storms impact
22 mental health. The more the natural
23 environment is degraded, polluted, and even
24 destroyed, the more people experience anxiety,
25 depression, psychosis, and now we're even

1 thinking as well, studies are starting to show,
2 neurodegenerative disorders. All of which are
3 debilitating, costly, and very difficult to
4 live with.

5 In addition, the natural environment
6 has been shown to significantly impact people
7 when they are recovering from illness and
8 surgery, and that those who have access to the
9 natural environment, a healthy natural
10 environment, have faster recovery times,
11 reduced pain medication use, and reduce
12 complaints of recovery difficulties.

13 I'd really like to take this to the
14 most simple level that I know we all know, but
15 I really think we forget about, which is we
16 have a basic survival relationship with nature.
17 In which, we breathe in oxygen that the planet
18 produce, and they breathe in the carbon dioxide
19 waste that we expire. Not to mention taking in
20 loads of other forms of carbon waste we
21 produce, including car emissions. The bottom
22 line is, we are hardwired to interact with and
23 rely on our natural environments, and the more
24 they are degraded the more our mental and
25 physical health is degraded, and the more we

1 all suffer. Thank you.

2 FACILITATOR PAM: Thank you for your
3 comment. Our next commenter is Sebastian Moya.

4 MR. MOYA: Hello. Thank you for
5 having us speak. 2024 was the world's warmest
6 year on record, and the 10 warmest years
7 since --

8 FACILITATOR PAM: I apologize, I
9 didn't want to interrupt, but would it be
10 possible for you to speak up a bit, we're
11 having a hard time hearing?

12 MR. MOYA: My apologies. 2024 was the
13 world's warmest year on record, and the 10
14 warmest years since 1850 have all occurred in
15 the past decade. This year we also experienced
16 the third hottest June and July since 1850, so
17 this year is likely also on track to break
18 records. This increased space temperature
19 makes heat waves and droughts more frequent and
20 more intense, but storms are also become more
21 destructive at higher temperatures.

22 In 2024 alone, the U.S. experienced 27
23 extreme weather events that cause \$1 billion in
24 damages. And that's not considering this
25 January's wildfires in California, which

1 include the second and third most destructive
2 wildfires in the state's history, or the deadly
3 July floodings in Texas, which claimed the
4 lives of over 130 people.

5 It's been estimated that air pollution
6 and climate change lead to over \$820 billion in
7 health costs for per year in the U.S..
8 Globally, air pollution is estimated to be
9 responsible for over 9 million deaths each
10 year. And, extreme heat on its own is the
11 deadliest extreme weather event, with an
12 estimated 489,000 heat-related deaths per year
13 between 2000 and 2019 and, of course, we can
14 imagine that will increase. So, the cost
15 savings that EPA Administrator Zeldin cites in
16 repealing the Endangerment Findings seem to
17 ignore the health and infrastructure costs for
18 more frequent and more severe natural
19 disasters.

20 Additionally, it ignores the cost
21 savings for consumers if existing vehicle
22 standards are repealed. The EPA's own
23 regulatory impact analysis calculated \$350
24 billion more in costs for Americans, mostly in
25 the form of increased fuel costs. A failure to

1 limit global warming to 1.5 degree Celsius of
2 its preindustrial level, as set out in the
3 Paris Agreement, would resign us to more and
4 more record breaking years of high temperatures
5 and, thus, more and more destructive natural
6 disasters, claiming more lives, destroying more
7 communities.

8 So if the EPA repeals the Endangerment
9 Finding it would really be an abandonment of
10 its responsibility to protect Americans from
11 pollution and from a catastrophic rise in
12 global temperature. Thank you.

13 FACILITATOR PAM: Thank you for your
14 comment. Our next commenter is Patrice Tomcik.

15 MS. TOMCIK: Hello. My name is
16 Patrice Tomcik, and I am the Senior Field
17 Director for Moms Clean Air Force, a community
18 of 1.6 million parents united to protect
19 children's health from air pollution and our
20 changing climate. I live in Gibsonia,
21 Pennsylvania, with my family.

22 I strongly oppose efforts to undermine
23 or revoke the Endangerment Finding and Tailpipe
24 Vehicle Standards, which is foundational to
25 EPA's ability to protect us from greenhouse gas

1 emissions.

2 Climate change has contributed to
3 shorter warmer winters, providing ideal
4 conditions for Lyme disease-carrying ticks to
5 thrive and multiply faster. Tick checks have
6 become a standard routine in our house, as I
7 have repeatedly had to remove them from my
8 family, dogs, and myself, followed by multiple
9 preventative rounds of antibiotics for humans
10 and yearly vaccines for dogs. Unfortunately, I
11 must have missed the detection of a Nymph tick
12 last summer that resulted in me being
13 immobilized with joint pain and swelling. A
14 blood test confirmed that I had Lyme disease,
15 and I underwent the 14-day antibiotic
16 treatment. I still have severe joint pain.
17 This steep increase in vector-borne infectious
18 disease rates will only increase if greenhouse
19 gas pollution isn't cut drastically.

20 Meanwhile, it's clear that the
21 protections in place now have not slowed down
22 the fossil fuel industry. In my son's school
23 district, gas wells continue to be fracked with
24 the closest ones located about a half a mile
25 away from the school campus. That puts 3200

1 students' health and safety at risk.

2 Oil and gas operations emit methane, a
3 potent greenhouse gas, along with other harmful
4 pollutants that impact health. Unfortunately,
5 communities like mine will continue to be
6 forced to live with more fracked wells as the
7 gas is used as a feedstock at petrochemical and
8 plastics facilities.

9 Plastics are the world's fastest
10 growing industrial source of greenhouse gases.
11 It is predicted by 2040 as much as 19 percent
12 of global greenhouse gas emissions will come
13 from plastics.

14 I urge EPA to honor its mission to
15 protect health and the environment and to
16 oppose any efforts to undermine or remove the
17 Endangerment Finding and Clean Vehicle
18 Standards. Thank you.

19 FACILITATOR PAM: Thank you for your
20 comment. Our next commenter is Karen Feridun.

21 MS. FERIDUN: Thank you. My name is
22 Karen Feridun, I'm cofounder of the Better Path
23 Coalition in Pennsylvania.

24 Lee Zeldin described the rollback of
25 the Endangerment Finding as, quote, a dagger

1 into the heart of the climate change religion.
2 But it wasn't that long ago that Zeldin himself
3 was a disciple. Mr. Zeldin is well aware of
4 the fact that the Endangerment Finding is
5 valid.

6 The New York Times reports, quote,
7 during four years in the New York State
8 Legislature on four terms on Capitol Hill, he
9 was a moderate on environmental issues. Mr.
10 Zeldin joined a bipartisan caucus to address
11 climate change and supported solar energy and
12 offshore wind. He voted to protect the EPA's
13 budget and against the Republican effort to
14 restrict the agency's ability to curb climate
15 emissions -- to curb carbon dioxide emissions.
16 My screen went away. He is a lifelong resident
17 of an area of Long Island that is dealing with
18 the climate impacts like coastal flooding,
19 rising tides, and beach erosion. To combat
20 those impacts, EE News reported last December
21 that the Army Corps of Engineers is planning to
22 raise the elevations of as many as 4400 homes
23 along the Island's South Shore, with some
24 eligible projects -- properties, rather,
25 located in Zeldin's flood prone neighborhood in

1 Shirley. Fully funded by federal dollars, the
2 \$2.4 billion Fire Island inlet to Montauk Point
3 project will also add sand and dunes to beaches
4 that are being washed away.

5 In a 2021 press release Zeldin said,
6 quote, completion of the FIMP project is
7 critical to the long-term health and viability
8 of long term -- Long Island's, pardon me,
9 environment, economy, and coastal way of life.
10 My team and I have worked very hard on this
11 effort since I first arrived to Congress in
12 January 2015. I was proud to serve -- to
13 secure congressional authorization for FIMP
14 during the 116th Congress and it's incredibly
15 encouraging to see all levels of government
16 working together to finally get this project
17 done for Long Islanders.

18 What happened? Regardless, the FIMP
19 Project has not progressed much since 2021, so
20 Mr. Zeldin has an opportunity to claw back
21 those billions he once worked so hard to secure
22 before he saw the light. We can count on him
23 to do that, right?

24 But Sarcasm aside, Mr. Zeldin knows
25 the Endangerment Finding is not just valid, but

1 necessary to protect all of us. Do not roll
2 back the Endangerment Findings. Thank you.

3 FACILITATOR PAM: Thank you for your
4 comment. Just want to remind folks, when you
5 see that note to accept become a panelist,
6 that's the opportunity for you to be able to
7 come on camera and to be able to make your
8 comment. So as you see that notice pop up,
9 please accept that invitation.

10 Our next speaker is Kenneth Hammond.

11 MR. HAMMOND: Yes, thank you. My name
12 is Kenneth Hammond, I'm speaking as a private
13 individual. I'm a resident of Plainsboro, New
14 Jersey.

15 The EPA is proposing a significant
16 rule change that would repeal all greenhouse
17 gas emissions standards for vehicles. Given
18 the severity of climate change and its
19 potential for damaging impacts on human lives
20 and the economy, the EPA needs to provide a
21 well researched and detailed justification that
22 considers the impact of such a rule change on
23 the climate. However, I find this to be
24 insufficiently addressed in the proposal
25 document.

1 One area in particular where this
2 analysis is missing is in Section 5(b), where
3 it is claimed that eliminating motor vehicle
4 emissions in the United States would have a
5 negligible impact. This claim is dubious. The
6 document acknowledges that motor vehicles --

7 FACILITATOR PAM: I want to interrupt
8 for just a moment here, we're having a bit of
9 an echo. It's possible that someone has joined
10 and has their unmuted, can everyone just please
11 check to make sure that they're muted. Let's
12 try now. Sorry, Kenneth.

13 MR. HAMMOND: All right. So one area
14 where this analysis is missing is in Section
15 5(b), where it is claimed that eliminating
16 motor vehicle emissions in the United States
17 would have a negligible impact. This claim is
18 dubious. The document acknowledges that motor
19 vehicles in the U.S. account for 2.5 percent of
20 global carbon emissions.

21 Further, the EPA's own models indicate
22 that reductions in global warming are
23 proportional to reductions in global emissions,
24 as stated in the Department of Energy Climate
25 Working Group Report, Section 12.2.

1 Thus, the pertinent questions to ask
2 would be, how many lives could be spared due to
3 a reduction in climate disasters arising from
4 2.5 percent lower emissions, how many dollars
5 could be saved from a reduction in damage from
6 storms and wildfires due to this reduced level
7 of warming. These are crucial questions that
8 the document must quantify before dismissing a
9 2.5 percent reduction in emissions as, quote,
10 de minimus, unquote.

11 The potential to save lives through
12 even a marginal reduction in emissions ought to
13 be of great interest to the EPA. After all, as
14 affirmed in Section 1(b), the agency's core
15 mission is protecting human health and the
16 environment. Before making such a significant
17 policy change, the EPA owes it to the American
18 people to study these impacts with greater
19 care. Without such analysis, the EPA is not
20 justified in repealing the greenhouse gas
21 regulations. Thank you very much.

22 FACILITATOR ANN: Thank you for your
23 comments. Our next speaker is Adriana
24 Hochberg.

25 MS. HOCHBERG: Hi, good evening. I'm

1 attempting to turn on my video.

2 FACILITATOR ANN: One moment. Do you
3 see the message to turn your video on?

4 MS. HOCHBERG: I do not. Oh, here we
5 go. Good evening. My name is Adriana
6 Hochberg, and I'm testifying as a private
7 individual. I'm a public policy professional
8 with many years of experience implementing
9 climate change solutions at the local and
10 federal levels.

11 In this proposed action, Trump's EPA
12 is using a variety of tortured arguments,
13 throwing spaghetti at the wall to see what
14 sticks in its attempt to shirk its statutory
15 requirement to address climate change. Trump's
16 EPA is attempting to distort reality, but the
17 reality is that 18 years ago the Supreme Court
18 affirmed that greenhouse gases are air
19 pollution and compelled EPA to take action to
20 regulate greenhouse gases in accordance with
21 the Clean Air Act. And since EPA issued the
22 Endangerment Finding in 2009, even more is
23 known about how climate change is harming
24 public health and welfare. These harms have
25 been intensifying over time.

1 To illustrate this I will spotlight
2 extreme heat. Here are nine headlines from
3 2025 backed by data points and scientific
4 studies that describe how extreme heat, due to
5 climate change, is harming public health and
6 welfare.

7 Associated Press, half the world's
8 population endured extra months of extreme heat
9 due to climate change, study says.

10 Maryland Matters, July 2025 marks a
11 five year high in heat illness hospitalizations
12 with fatalities climbing.

13 NPR, heat can age you as much as
14 smoking, a new study finds.

15 ABC, summer nights are getting warmer
16 due to climate change, sparking health
17 concerns.

18 BBC, the world is getting hotter, this
19 is what it's doing to our brains.

20 The Weather Channel, Phoenix is facing
21 a heat crisis, here's a glimpse of our climate
22 future.

23 Vox, extreme heat can raise newborn
24 death risk by 22 percent.

25 Time, climate change can increase

1 health risks during pregnancy.

2 New York Times, extreme heat is
3 exacerbating air pollution, a double whammy for
4 health.

5 I urge EPA to review and incorporate
6 the data and scientific studies cited in these
7 articles. In conclusion, EPA's proposal is an
8 egregious renunciation of its legal requirement
9 to protect public health in the environment.
10 The people of this country deserve better.
11 Thank you.

12 FACILITATOR ANN: Thank you for your
13 comments. Our next speaker is Rossana
14 Valverde.

15 MS. VALVERDE: Hello. My name is
16 Rossana Valverde, I'm testifying as a private
17 individual and a survivor of the Eaton fire.

18 I've lived in Pasadena, California for
19 over 60 years. I've raised my family here. My
20 twin grandsons are here. This city is my home.
21 But, this year that home became unlivable. In
22 January, the Eaton fire swept through our
23 neighborhood and severely damaged our house.
24 We live at ground zero in Eaton Canyon. From
25 the moment the fire started, we had less than

1 10 minutes to evacuate. We got out with our
2 three dogs and the clothes on our backs. By
3 that time, the fire had made it into our
4 backyard, just days before the Palisades
5 burned. A few weeks later it was the East
6 Coast.

7 These disasters aren't rare anymore,
8 they're becoming constant. It's not just
9 fires, its floods, hurricanes, extreme heat,
10 and in our case windstorm. The winds at our
11 home the night of the fire were clocked at 99
12 miles per hour. This is not normal. These
13 extreme weather events are not normal. Trying
14 to recover has been overwhelming. State Farm
15 has denied us meaningful support while raising
16 premiums to levels most of us can't afford.
17 And now, the federal government is rolling back
18 key climate protections and gutting funding for
19 extreme weather response when we need it more
20 than ever.

21 Instead of helping families prepare
22 for what is clearly already happening, they are
23 making it worse. That leaves us exposed, it
24 leaves us behind, and it's unacceptable. The
25 EPA is required by law to protect the American

1 people from dangerous pollution. The
2 Endangerment Finding and Climate Standards must
3 stay in place. If you think this can't happen
4 to you, think again.

5 These climate change-driven extreme
6 weather events are happening all over the
7 country. How many more people need to lose
8 their homes or their lives before we accept the
9 obvious and work to save ourselves? I'm
10 speaking up for my community, for my grandsons,
11 and for every family that's been made invisible
12 by this crisis, the EPA protections we
13 currently have in place must remain in place if
14 we want to preserve any semblance of life as we
15 know it in the future. We extreme weather
16 survivors deserve more, we all deserve more.
17 Please stand with me and implore the EPA to
18 keep our protections in place. Thank you.

19 FACILITATOR ANN: Thank you for your
20 comments. Our next speaker is Jamie Johnson.

21 MS. JOHNSON: Hello. My name is Jamie
22 Johnson, and I'm a staff attorney at the Green
23 Energy Institute at Lewis and Clark Law School
24 in Portland, Oregon. The Green Energy
25 Institute is a grant funded law and policy

1 institute housed within Lewis and Clark Law
2 Schools, top ranked environmental and natural
3 resources law program. We are focused on
4 helping usher in a just and affordable clean
5 energy future for all Oregonians.

6 I am testifying today in strong
7 opposition to the EPA's proposed revisions to
8 its 2009 Endangerment Findings and its proposed
9 repeal of regulations of greenhouse gas
10 emissions standards for cars under the Clean
11 Air Act Section 202(a).

12 Oregon, and all states, deserve better
13 than this EPA's proposed rollbacks on the
14 progress that has been made to help clean our
15 air and emissions through the cars and trucks
16 on our roads. Cleaner, more fuel efficient
17 vehicles make America healthier, from cleaning
18 the air we all breathe to reducing
19 contributions to extreme weather events, like
20 heat and wildfires that we heard about today
21 and that have taken both life and property in
22 Oregon. To also saving households and
23 businesses hundreds of dollars on costly fuel.
24 GEI believes that get that getting, cleaner
25 more fuel efficient vehicles on the road is

1 essential to affordability and public health
2 for all Oregonians.

3 GEI also fears this attempt at
4 so-called deregulation will cause instability
5 and negatively impacting vehicle manufacturers,
6 as well as electric utility companies, who have
7 been stepping up and investing in new
8 technologies to meet existing regulations, as
9 well as growing consumer demand for clean,
10 efficient electric vehicles -- and electric
11 vehicles.

12 And so we ask EPA to stay the course
13 on its existing and frankly quite achievable
14 vehicle standards, as well as the finding the
15 greenhouse gases, which are an air pollutant
16 under the Clean Air Act, cause real and serious
17 harms to our country's public health. EPA has
18 the authority, as well as the moral and legal
19 obligations, to regulate it as such. Thank
20 you.

21 FACILITATOR ANN: Thank you for your
22 comments. A quick housekeeping matter, we see
23 the messages in the chat saying that you're
24 here, please rename yourself or let us know in
25 the chat if you need assistance being renamed,

1 it's the only way that we can send you an
2 invite to promote you to panelists so that you
3 can speak when called upon.

4 Our next speaker, and please forgive
5 any mispronunciation, is Mehul Tejani.

6 DR. TEJANI: Hi there. Thank you for
7 the opportunity to testify. My name is Mehul
8 Tejani, and I'm a father of three and a primary
9 care physician in Atlanta, Georgia, working at
10 a safety net hospital. I'm speaking to you
11 today on behalf of the Climate Action Campaign
12 to strongly oppose the EPA's proposed changes
13 to the 2009 Endangerment Finding and greenhouse
14 gas vehicle standards.

15 I'm here because I'm concerned about
16 my children, my patients, and my community, but
17 I'm also concerned about how this affects the
18 country. I believe in the following three
19 priorities that I hope we can all agree upon.

20 Priority number one is the safety of
21 our citizens, our children, our elderly, and
22 our workforce. As a physician I'll add that
23 safety also includes prevention and treatment
24 of illnesses that threaten our health. I have
25 seen plenty of patients in my office or in the

1 hospital when air pollution triggers their
2 symptoms, pollution that disproportionately
3 comes from the neighborhoods that they live in.
4 That is time that they are spending in
5 healthcare that they are not at school, at
6 work, or with their friends and family. And
7 that does not include extreme weather events
8 that risk the security of any community, as
9 seen just last week in the flooding of my
10 hometown of Chattanooga, Tennessee.

11 Priority number two is the security of
12 our country and its people. In this case, I'm
13 referring to energy security. According to the
14 federal Energy Information Administration,
15 roughly 93 percent of electricity capacity
16 added to the grid this year will come from a
17 combination of wind, solar, and battery. The
18 security of our grid will not come from 19th
19 century dirty fuels, that will come from 21st
20 century technologies. That's not even a health
21 argument, that's an economic reality. If we
22 cling to older factories by allowing them to
23 pull in more, which then increases our
24 healthcare expenses, we are inviting other
25 countries to pass us by in energy technology

1 and security, while making ourselves sicker.

2 Priority number three, and possibly
3 the most important, is the prosperity of our
4 country and its economy. To have prosperity,
5 we need industries that thrive and innovate to
6 compete. As of June this year, the Bureau of
7 Labor Statistics says that the coal industry
8 supported 41,000 jobs, with that number
9 falling, while there are over 450,000 jobs in
10 all clean energy production or energy storage
11 industries, 10 times that of coal. Meanwhile,
12 renewable technologies far outpace fossil fuels
13 in new energy generation, which is as true
14 internationally as it is in the U.S.. We are,
15 therefore, sacrificing the potential for
16 American growth and prosperity into the future
17 in the energy sector and in the growth industry
18 of electric vehicles to temporarily prop up
19 industries that are naturally shrinking from
20 market forces.

21 EPA's rollback is incredibly dangerous
22 and harmful to our health and to the country
23 and I urge you to keep the current standards.

24 Thank you.

25 FACILITATOR ANN: Thank you for your

1 comments. Our next speaker is Hans Flinch.

2 MR. FLINCH: Thank you. Can you hear
3 me?

4 FACILITATOR ANN: Yes.

5 MR. FLINCH: Yeah, sorry for the delay
6 there. My name is Hans Flinch, I am a small
7 business owner and a landscape architect. I
8 live in Jackson, Wyoming, and I'm calling you
9 today because I'm strongly opposed repealing
10 the Endangerment Finding.

11 The science is settled, greenhouse
12 gases are warming up the planet, and they are,
13 they are harming American human health and
14 welfare. Additionally, repealing this
15 greenhouse gas, this -- revoking the
16 Endangerment Finding, like many other speakers
17 have said, will only slow down American
18 innovation and harm our country and our
19 economy.

20 Where I live in Western Wyoming, we
21 are experiencing this every day, every year.
22 We have rain in the winter, where we used to
23 have snow, and we have smoke in the summer,
24 where we used to have clear skies. Last year
25 the town that I live in in Northwest Wyoming,

1 we had days, many days over 1600 parts per
2 million, parts per million air quality counts
3 due to local wildfires that were raging nearby
4 and blowing smoke into our neighborhoods, where
5 my children live and play.

6 So I'm very strongly against revoking
7 the Endangerment Finding. I think that this
8 will harm American innovation. The
9 Endangerment rules, like the Endangerment
10 Finding, have created jobs in Wyoming. They
11 have spurred innovation in wind and solar and
12 we need to be leaning into technologies of the
13 future and not leaning into the technologies of
14 the past. These are important. And frankly,
15 if you do revoke the Endangerment Finding it
16 will harm our economy and it will harm our --
17 we have a recreation-based economy where I
18 live, and it will harm it. And thank you very
19 much. I am strongly opposed to revoking the
20 Endangerment Finding. Thank you for your time.

21 FACILITATOR ANN: Thank you for your
22 comments. Checking in to be sure, if you've
23 logged in recently, please make sure that your
24 name appears the way it appears on the screen
25 if you're scheduled to speak, so that we're

1 able to promote you to panelists. If you are
2 scheduled to speak within this panel or the
3 next panel, which is Panel 33, you should be
4 seeing an invite on your screen to be promoted
5 to panelists. Please do not decline the invite
6 or we're not able to bring you into the room to
7 give your testimony today.

8 Our next speaker is Jim Burack.

9 MR. BURACK: Good evening. I'm Jim
10 Burack, I am representing the state of Colorado
11 as the Deputy Director of our Division of
12 Homeland Security and Emergency Management, and
13 I'm filling in today for Kevin Klein, our
14 Director, who's out in Western Colorado on a
15 wildfire.

16 Colorado was opposed to the rescission
17 of the greenhouse gas Endangerment Finding, the
18 previous finding was appropriate, and the EPA
19 should continue to regulate greenhouse gas
20 emissions for new motor vehicles and motor
21 vehicle engines.

22 Under the Clean Air Act, a Finding is
23 a two-part scientific judgment that an air
24 pollutant or combination of air pollutants may
25 reasonably be anticipated to endanger public

1 health or welfare. This is a forward looking,
2 precautionary scientific judgment. It is not
3 about whether a pollutant has already caused
4 harm, but whether it is expected to do so, and
5 emissions from a specific source category cause
6 or contribute to the air pollution that can
7 endanger public health or welfare. This
8 establishes a link between the emissions from a
9 particular source and the overall air pollution
10 that is causing the endangerment.

11 The Finding should be a scientific
12 judgment, not a policy based one. And the
13 evidence is clear, greenhouse gas emissions
14 endanger public health and welfare and
15 petroleum powered motor vehicles are a
16 significant source of those dangerous
17 greenhouse gases. So we know that greenhouse
18 gases contribute to increased frequency and
19 severity of natural disasters, increased global
20 surface temperatures, frequency of droughts,
21 intensity of storms. And variability of
22 weather events.

23 Climate change in Colorado manifests
24 in our wildfire problem. From 1984 until 1999
25 there were only eight Colorado wildfires larger

1 than 10,000 acres. However, since 2000
2 Colorado has experienced 60 wildfires larger
3 than 10,000 acres. Colorado has seen a 300
4 percent increase in the annual area burned by
5 wildfires from the 1984 to 2000 period to the
6 2001 to 2017 period. Five of the state's
7 largest fires have occurred over the past five
8 years. More than half of Colorado's largest
9 fires have occurred since 2018 and 85 percent
10 have occurred since 2011. And so besides the
11 obvious impacts of displacement of people and
12 burning homes and businesses, wildfires impact
13 our health.

14 The state of Colorado is opposed to
15 rescission of the Endangerment Finding. Thank
16 you.

17 FACILITATOR ANN: Thank you for your
18 comments. Our next speaker is Rabbi Marvin
19 Goodman.

20 RABBI GOODMAN: I'm Rabbi Marvin
21 Goodman, I'm the Board Chair of California
22 Interfaith Power and Light. Susan Stephenson,
23 our ED, spoke recently.

24 I'm commenting to express my
25 opposition to the proposed Reconsideration of

1 the 2009 Endangerment Finding and the proposed
2 rollback of the vehicle emission standards.
3 Abandoning these standards with the knowledge
4 of the harm it will cause to the environment
5 and human health, including loss of life, is
6 unconscionable and counter to the EPA's
7 mission. This is a moral issue, besides a
8 health -- besides an issue of, climate issue.

9 Federal standards for vehicle
10 pollution are not a new thing. In fact, the
11 federal government has been regulating vehicle
12 pollution since 1966. Every successive round
13 of vehicle pollution standards since then has
14 been more stringent than the previous one, as
15 technology has continually improved and we
16 understood what the danger is if more is not
17 done. Rolling back vehicle pollution standards
18 will increase disease and death, and especially
19 harm children, elderly, and people with asthma
20 or lung disease.

21 Cars, trucks, and buses are a leading
22 cause of greenhouse gas pollution, which has
23 severe impacts on human health. So rolling
24 back the Clean Vehicle Standard is predicated
25 and predicted to cause more than 8 billion tons

1 of additional climate pollution to be admitted
2 into the atmosphere by 2055.

3 The number of Americans dying from
4 heat is also an issue, it has raised more than
5 doubled since 1999. Almost half of the
6 heat-related deaths took place in the warm
7 weather states.

8 For all of these reasons, I urge you
9 to retain and respect the Endangerment Finding
10 and continue to require reductions in vehicle
11 emissions. I want to be able to sleep at
12 night. I want to be able to tell my grandson
13 when he, at certain point in his age, he says,
14 grandpa, what were you doing when this was
15 going on. We need you to maintain the levels
16 that we have now and increase them for the sake
17 of all the people. Thank you. I appreciate
18 being able to talk.

19 FACILITATOR ANN: Thank you for your
20 comments. Our next speaker is Robert Feder.
21 We see that you're off mute.

22 DR. FEDER: Hello. I'm Dr. Robert
23 Feder, I'm a psychiatrist in New Hampshire and
24 a distinguished life fellow of the American
25 Psychiatric Association.

1 I am testifying today to urge the EPA
2 to not repeal the 2009 Endangerment Finding or
3 the greenhouse gas vehicle standards, as this
4 would significantly worsen the mental health of
5 this country. Over 99 percent of the
6 scientific research done on climate change has
7 concluded that it is mainly caused by human
8 activity, primarily the burning of fossil
9 fuels. That fact is not going to change by
10 this Administration calling climate change a
11 hoax in order to enrich the fossil fuel
12 industry.

13 The rolling back of regulations that
14 limit fossil fuel combustion is only going to
15 accelerate the changes we are already seeing
16 due to climate change, including higher
17 dangerous temperatures, out of control forest
18 fires, disastrous floods, and sea level rise.

19 As a psychiatrist, I am particularly
20 concerned about the effects of climate change
21 due to fossil fuel combustion is having on the
22 mental health of Americans. Yale University,
23 George Mason University, the American
24 Psychiatric Association, and the American
25 Public Health Association all conduct

1 independent yearly polls on the effects of
2 climate change on American mental health. All
3 of these polls show increasing negative effects
4 of climate change on mental health over the
5 last several years. Currently, approximately
6 40 percent of those polled report feelings of
7 anxiety and depression or difficulty sleeping
8 that they relate to the effects of climate
9 change. Up to half of these people feel that
10 these symptoms are having a significant effect
11 on their functioning.

12 My colleagues and I are also seeing an
13 increasing number of patients coming to us with
14 symptoms of severe depression, anxiety, and
15 PTSD after directly experiencing a climate
16 disaster, often where their homes and all of
17 their possessions have been lost. In the worst
18 cases, this can include the loss of family
19 members as well. These tragic cases are only
20 going to increase if the EPA allows more fossil
21 fuels to be burned.

22 Perhaps the most tragic of all in this
23 area is the fact that 40 percent of young
24 adults say they are hesitant to have children
25 due to climate change. This is reflected in

1 the U.S. birth rate now being at an all time
2 low.

3 Again for the mental health of this
4 nation, please do not change the 2009
5 Endangerment Finding. Thank you very much.

6 FACILITATOR ANN: Thank you for your
7 comments. Our next speaker is Marianne Krasny.

8 MS. KRASNY: My name is Marianne
9 Krasny, I'm a professor at Cornell University,
10 and I'm also a Forbes contributor writing about
11 climate change. But, I'm testifying today as a
12 volunteer with three climate organizations,
13 Elders Climate Action, Climate Action Now, and
14 Climate Reality Project.

15 Unsurprisingly, I express my strong
16 opposition to the EPA's proposed rollback of
17 the Endangerment Finding and related rollbacks
18 on vehicle emission standards. The rollback of
19 the Endangerment Finding simply ignores the
20 scientific consensus on climate change.

21 Over the last several years, the new
22 field of attribution science has enabled
23 scientists to calculate the link between
24 specific greenhouse gas emitters and economic
25 and health damages. So example, a study

1 published in Nature calculated that the global
2 economy would be \$28 trillion richer were it
3 not for the extreme heat caused by the
4 emissions of several largest oil and gas
5 companies. Attribution science and related
6 scientific advances also prove that the EPA is
7 simply wrong when they claimed that canceling
8 the Endangerment Finding will save Americans
9 \$54 billion annually.

10 This year scientists at the University
11 of Maryland estimated \$1.1 trillion in losses
12 between now and 2030 in U.S. GDP due to the
13 reversal of clean energy policies. State level
14 GDP will also be reduced by up to 5 percent,
15 and we are all seeing the rise in average home
16 energy costs, which is estimated at \$206 per
17 year, and thousands of deaths due to increased
18 pollution, extreme heat, and other climate
19 caused disasters.

20 Attribution science is also enabling
21 plaintiffs like the use youth who recently won
22 a case against the state of Montana for not
23 preserving the right to a healthy environment
24 and climate. Or, another group of youth who
25 have filed legal action against the Trump

1 Administration's unleashing fossil fuels
2 executive order, to become more successful in
3 court. It allows legal scholars to lay out a
4 plausible case for bringing homicide charges
5 against the fossil fuel industry for their role
6 in heat waves, which are made hotter and longer
7 by climate change and are the leading cause of
8 weather-related deaths, about 500 annually in
9 New York City alone.

10 So the Natural Resources Defense
11 Council Executive Director Christy Goldfuss
12 sums up the situation that we find ourselves
13 in. The EPA wants to shirk its responsibility
14 to protect us from climate pollution, but
15 science and the law say otherwise. I might
16 add, the economy also says otherwise.

17 FACILITATOR ANN: Thank you for your
18 comments, you're at time. Our next speaker,
19 and please forgive any mispronunciation, is
20 Yihao Xie.

21 MR. XIE: Thank you. Can you hear me?

22 FACILITATOR ANN: Yes, I can.

23 MR. XIE: Thank you, and good
24 afternoon. My name is Yihao Xie, and I'm a
25 senior researcher at the International Council

1 on Clean Transportation. The ICCT is an
2 international research organization whose
3 unbiased research and technical analysis are
4 extensively cited by EPA across multiple mobile
5 source greenhouse gas regulators.

6 FACILITATOR ANN: I'm sorry, could you
7 slow down just a bit for the Court Reporter?

8 MR. XIE: Okay.

9 FACILITATOR ANN: Thank you.

10 MR. XIE: Up to the present day, EPA
11 regulations are respected throughout the world
12 for their innovation, their cost effectiveness,
13 their technology neutrality and their benefits.
14 If the EPA finalizes its proposed rescission of
15 its greenhouse gas Endangerment Finding and
16 repealing of vehicle GHG Emission Standards,
17 not only will Americans see higher pollution
18 and higher costs, but the rest of the world,
19 including China, Europe, and emerging markets,
20 will no longer respect United States as an
21 international leader around environmental
22 policy. By ceding this authority, our industry
23 will no longer set the standards, nor define
24 the technologies for the rest of the world.

25 The ICCT strongly objects to this

1 proposal for the harm it will cause to public
2 health and welfare in the United States and
3 globally. If the U.S. transportation sector
4 were its own country, its GHG emissions would
5 be the fifth largest in the world. GHG
6 emission standards not only deliver on treaty
7 obligations the United States has under the
8 United Nations Framework Convention on Climate
9 Change, but American consumers benefit from
10 cleaner air and lower costs.

11 The Endangerment Finding is based on
12 decades of research funded by the United
13 States, conducted by American scientists, and
14 widely accepted by the global scientific
15 community that demonstrates the harm of GHG
16 emissions. Major vehicle markets are committed
17 to transitioning to cleaner cars and trucks,
18 and many have emission regulations driving
19 innovation, industrial competitiveness, and
20 consumer benefits. If finalized, EPA's
21 proposal would undermine U.S. industry
22 investments and long-term commitment to develop
23 advanced, low emission technologies.

24 EPA's analysis published before the
25 release of this proposal has demonstrated that

1 its mobile source GHG emission regulations are
2 technically feasible and cost effective. EPA
3 estimates annualized net benefits of \$110
4 billion and hundreds of thousands of new jobs
5 from its light and heavy duty vehicle GHG
6 standards.

7 This concludes our statement on the
8 proposal. We thank the EPA for the opportunity
9 to participate in the hearing and will submit
10 more detailed comments in writing.

11 FACILITATOR ANN: Thank you for your
12 comments. Our next speaker is Wendy Beck Von
13 Peccoz.

14 MS. BECK VON PECCOZ: Am I, can you
15 hear me?

16 FACILITATOR ANN: Yes, you're off
17 mute.

18 MS. BECK VON PECCOZ: Okay. Sorry,
19 working with my phone here.

20 FACILITATOR ANN: No worries.

21 MS. BECK VON PECCOZ: And I tried to
22 do the video.

23 FACILITATOR ANN: Perfect.

24 MS. BECK VON PECCOZ: Am I on?

25 FACILITATOR ANN: You're on.

1 MS. BECK VON PECCOZ: Okay. Thank you
2 for the opportunity to speak. I am -- I live
3 in Massachusetts, Wellesley, Massachusetts.
4 It's not a scientist, but I have followed the
5 science of global warming since freshman year
6 in college when I learned about it in astronomy
7 class. I'm here to greatly encourage the EPA
8 to not roll back the Endangerment Finding.
9 And, I just wonder where on Earth the science
10 is to even suggest this.

11 Everyone we've heard, we've heard from
12 doctors, we've heard from the state of
13 Colorado, is saying that the science has only
14 gotten stronger. People are dying because of
15 global warming. We've seen it this summer,
16 just horrendous. And now we're seeing -- well,
17 the fires, I won't repeat everything, the
18 floods, everything else, but now we're seeing
19 hurricanes even intensifying more quickly. So
20 what new science has come up that would cause
21 the EPA to turn back its own finding 16 years
22 ago? It's unconscionable to me, I just cannot
23 even fathom it.

24 And deregulating this across the board
25 is clearly putting the fox in charge of the hen

1 house. If we are swaying to economic interests
2 and not health interests, then the EPA has
3 given up on its mission. We, as the U.S., are
4 one of the largest polluters in the world, and
5 if we fall back and say, oh no, never mind,
6 what we thought earlier is not true, with no
7 science that I've heard yet to back up any
8 reason to back out of this finding, then we
9 have lost all credibility. And that's all I
10 have to say, just can't believe I'm even having
11 to say this. Thank you.

12 FACILITATOR ANN: Thank you for your
13 comments. Our next speaker is Ruben Alvero.

14 DR. ALVERO: Good evening. Can you
15 hear me?

16 FACILITATOR ANN: Yes.

17 DR. ALVERO: Yes. My name is Dr.
18 Ruben Alvero, and I'm here to strongly oppose
19 rescission of the 2009 Endangerment Finding.
20 I'm a physician and reproductive
21 endocrinologist at Stanford, with 35 years of
22 experience in women's health and family
23 building, and speak with a focus on what
24 climate health is doing to these groups.

25 The 2009 Endangerment Finding was

1 based on undeniable body of peer-review science
2 that established greenhouse gases as a threat
3 to public health. The evidence has only grown
4 stronger in the last 15 years. The Finding was
5 undoubtedly successful, but we are still seeing
6 extreme heat waves, more destructive storms,
7 record-breaking wildfires, and rising sea
8 levels, all consistent with the predictions of
9 climate science. To revoke the Finding now is
10 not only scientifically indefensible, but also
11 dangerous for our children's future.

12 It is even dangerous for our economy.
13 In that a population that is sick is a
14 population that is unproductive.

15 The community that I care for is
16 particularly vulnerable. Pregnant women
17 exposed to higher levels of air pollution, face
18 increased risk of preterm birth, low birth
19 weight, and complications such as preeclampsia.
20 Virtually anything that can go wrong with
21 pregnancy is made worse by these uncontrolled
22 emissions. These outcomes not only threaten
23 mother's health, but also newborns on the
24 trajectory of greater health challenges
25 throughout their lives.

1 Women are also especially vulnerable
2 to the broader impacts of climate change. Heat
3 emergencies are linked to higher rates of
4 pregnancy complications and cardiovascular
5 stress. Since women already disproportionately
6 play a caregiving role in their families and
7 communities, the negative impacts are felt well
8 beyond their own personal health.

9 Rolling back these standards would
10 deepen existing health inequities, as well.
11 Women of color and women in low income
12 communities already shoulder an enhanced burden
13 of asthma, heart disease, and adverse birth
14 outcomes.

15 The science is clear, greenhouse gases
16 endanger health, and the law is clear, the EPA
17 has a duty to protect vulnerable populations.
18 Women and children must not be sacrificed to
19 misguided short-term industry convenience. I
20 urge you to uphold the 2009 Endangerment
21 Finding and main strong environmental
22 standards. Thank you very much.

23 FACILITATOR ANN: Thank you for your
24 comments. Our next speaker is Bekah Estrada.

25 REVEREND ESTRADA: Hello everyone.

1 Thank you so much for this opportunity to
2 testify. My name is Reverend Bekah Estrada, I
3 live in La Canada, California, near Pasadena
4 and Altadena. I'm commenting on behalf of
5 California Interfaith Power and Light. We are
6 a coalition of 735 houses of worship across all
7 faith traditions throughout the state of
8 California and we are very concerned about the
9 impact of climate change on our communities.

10 We feel called to care for creation
11 and be good stewards, which is why we do our
12 part to refurbish buildings to save energy and
13 reduce emissions. But, we know that our
14 actions alone are not enough.

15 We're experiencing the harms of
16 climate change every day, from extreme heat to
17 drought and most recently in the wildfires in
18 Los Angeles that impacted my community. Up to
19 12 families just in my house of worship
20 completely lost their home, and these are the
21 folks that usually care for those and provide
22 hospitality in times of worship -- or, in times
23 of hardship.

24 Now, it's true that during
25 climate-fueled disasters, faith leaders in this

1 area step up and support their communities and
2 parishioners, like those who lost their homes,
3 their lives, and their jobs through the Eaton
4 and Palisades wildfires. So on behalf of these
5 climate field disasters, and so many other
6 examples of the climate catastrophe that we are
7 living in, speaking on behalf of myself and
8 communities of faith, we are opposed to the
9 proposed Reconsideration of the 2009
10 Endangerment Finding and the proposed rollback
11 of the vehicle emission standards. We urge you
12 to honor the integrity of the Endangerment
13 Finding and continue to uphold clean air
14 standards that will reduce carbon pollution.

15 Some of the most importance of these
16 are clean vehicle standards. Emissions from
17 vehicles is creating unhealthy air pollution
18 and shortening lives. Vehicles are a major
19 source of global warming pollution and the
20 number of Americans and Californians in my
21 community dying from heat exposure has more
22 than doubled since 1999, almost half of those
23 deaths are in Arizona, Nevada, California, and
24 Texas. Rolling back these clean vehicle
25 standards would cause more than 8 billion tons

1 of additional climate pollutions to be emitted
2 into the atmosphere by 2055.

3 FACILITATOR ANN: You're at time.

4 REVEREND ESTRADA: Thank you.

5 FACILITATOR ANN: Thank you. Our next
6 speaker is David Main, we were not able to
7 promote you to panelists. I'm going to unmute
8 you now so that you can speak from where you
9 are. You can go ahead.

10 DR. MAIN: Thank you so much. I
11 appreciate your help here. Well, I'm David
12 Main, I'm a retired pulmonary medicine
13 physician in Central Illinois with training and
14 certification in environmental health.

15 I believe it's clearly a fact that
16 vehicle gas health -- greenhouse gas emissions
17 are a major contributor to climate change, and
18 in this way, harm human health. It's spurious
19 for the EPA to suggest this climate warming
20 effect is any less important than the impact on
21 health of other pollutants, such as carbon
22 dioxide or nitrogen oxide. The Clean Air Act
23 Section 202 authorizes EPA Administrator to
24 prescribe standards applicable to the mission
25 of any vehicle air pollutant that may

1 reasonably be anticipated to endanger public
2 health. The current Administrator has not been
3 able to, nor will he be able to produce
4 information that these emissions do not harm
5 public health. We all know that these
6 emissions do harm.

7 Indeed, Congress intended to protect
8 the public from harmful air pollutants.
9 Congress did not exempt pollutants from
10 regulation just because health effects from
11 exposure might not be immediate. Indeed,
12 rising carbon dioxide and methane levels
13 represent definite health problems.

14 Your rescission document contends that
15 vehicle greenhouse gas emissions should not be
16 regulated because successfully lowering these
17 levels will not achieve a significant reduction
18 in overall global climate change. Well, my
19 patients with asthma over 38 years of practice
20 would tell you they suffer from climate change
21 in many ways, not the least of which is an
22 increasing exposure to wildlife smoke. They
23 would welcome any reduction in greenhouse gas
24 emissions and so take issue with the EPA plan
25 to withdraw the regulation of greenhouse gases.

1 So these patients, indeed all of us,
2 recognize vehicle greenhouse gas emissions as a
3 major cause of climate change and its health
4 effects, their control legitimately falls
5 within the realm of the Clean Air Act. Thus,
6 do not rescind the Endangerment Finding, it's
7 important.

8 FACILITATOR ANN: Thank you for your
9 comments. Our next speaker is Ava Curtis.

10 MS. CURTIS: Hi. Thank you for the
11 opportunity to comment. In 2009 it was decided
12 that is the responsibility of the EPA to live
13 up to its name and regulate greenhouse gases,
14 which pose a catastrophic risk to all life on
15 this planet. The 2009 Finding was based on
16 overwhelming scientific research. Now the EPA
17 wants to go back on this rule, and at the same
18 time the agency is attempting to reverse the
19 decision on Clean Vehicle Standards, the single
20 largest source of greenhouse gases in this
21 country. This is not because of any new
22 scientific evidence, this is entirely a
23 political decision.

24 It is not the role of our agencies to
25 act on party lines, it is their job to listen

1 to science and make the best decision in the
2 interest of all Americans.

3 Climate change is already killing many
4 Americans. We have heard about devastating
5 storms in Texas, hurricanes destroying the
6 North Carolina coast, and we've heard today
7 from wildfire survivors. These storms are a
8 direct result of climate change, and we're the
9 lucky ones. In the Global South, where people
10 have emitted the least greenhouse gases, they
11 are facing the most catastrophic storms, the
12 most extreme weather events, including flooding
13 and drought, and simply do not have the
14 economic systems to deal with these tragedies.

15 Writing this comment I've been at a
16 loss for what to say. I don't understand how
17 to help people believe something that's agreed
18 on by over 97 percent of scientists is true.
19 And more than that, I don't understand how to
20 make people care about others, about the
21 victims of climate change here in America and
22 abroad. I don't understand how to convince
23 people that oil and gas companies matter less
24 than hungry children in areas struck by
25 devastating drought or their fellow Americans

1 losing their homes and wildfires.

2 I heard a quote once, and I don't
3 remember where it comes from, but it goes like
4 this, we will view climate change as a series
5 of disasters through our phones, coming closer
6 and closer to us until we are the ones filming.

7 I hope that you all will find the good
8 sense today to act on this and that you will
9 make the right decision to take action on
10 climate change and not rescind this order.
11 Thank you.

12 FACILITATOR ANN: Thank you for your
13 comments. Our next speaker is Heidi Fuchs.

14 MS. FUCHS: Hi. My name is Heidi
15 Fuchs, and I'm a proud Coloradan. I'm a
16 scientist who knows that the climate science
17 underlying the Endangerment Finding is
18 irrefutable. Revoking this Finding denies the
19 factual reality of atmospheric physics and
20 endangers our country. While EPA's politicized
21 rejection of decades of peer-reviewed science
22 is deeply troubling, I'm not speaking as a
23 scientist right now. I'm here as a private
24 citizen who wants a livable future for my
25 family.

1 I grew up in Colorado. Summers here
2 used to be nice, residential AC was not typical
3 and our skies were rarely polluted by
4 wildfires. Reservoirs might fluctuate, but
5 usually filled up reliably with snow melt.
6 After high school I moved away before coming
7 back four years ago, the effects of climate
8 change that took place while I was gone for 18
9 years are plain as day and scary in their
10 extent. Summer has changed from a beautiful,
11 outdoorsy season, to one that we have to endure
12 with lasting extreme heat and drought.

13 In my neighborhood, plants and
14 wildlife are struggling. I see ponderosa pines
15 dying of heat and drought stress, becoming fuel
16 for the next mega fire. Year round, reliable
17 mountain streams have vanished. Hiking,
18 skiing, camping, and fishing are all worse than
19 they used to be, which impacts the recreation
20 economy. The air quality is bad from fires in
21 ozone and my family members with asthma are
22 struggling. In 2021 friends lost their homes
23 in the Marshall fire, and it feels like the
24 next big fire is always looming.

25 In my zip code, insurers are dropping

1 homes due to fire risk. The insurance industry
2 is not a hotbed of radicals, their profits
3 depend on making business decisions grounded in
4 data and reality. It is clear that a home
5 insurance crisis is building.

6 The EPA says that we'll see savings
7 from this deregulation, but these are
8 completely dwarfed by the costs of inaction on
9 climate change. Americans' health costs
10 associated with fossil fueled air pollution and
11 climate change are nearly \$1 trillion, with a
12 T, dollars a year. There were \$27 billion
13 disasters last year, compared to three per year
14 in the 1980s. If the EPA continues down the
15 path of denying science and the reality of
16 atmospheric physics, this will get
17 exponentially worse and quickly.

18 Meanwhile, clean alternatives deliver
19 on their promises. In the last year my average
20 monthly energy bill for my fully electrified
21 home in EV was only \$30 because of our rooftop
22 solar. The EPA is legally required to act on
23 the best available science to protect Americans
24 and the environment we depend on. Revoking the
25 Endangerment Finding will imperil our health

1 and safety, raise our energy bills for immoral
2 reasons, and ensure that other countries
3 following the science will quickly out compete
4 us. We deserve better. I urge the EPA to
5 withdraw this repeal.

6 FACILITATOR ANN: Thank you for your
7 comments. Our next speaker is Sarah Lundquist.

8 MS. LUNDQUIST: Hello. Thank you so
9 much for this opportunity to speak. My name is
10 Sarah Lundquist, I'm a mother, a Montanan, and
11 I'm Executive Director of an organization
12 called Families for a Livable Climate in
13 Montana. I'm speaking in those capacities and
14 on behalf of our more than 2,000 member base to
15 voice dissent for the EPA's proposed rule to
16 rescind the 2009 Greenhouse Gas Endangerment
17 Finding.

18 One of Families for Livable Climate's
19 core programs is called Montana Climate
20 Stories, where we collect and share personal
21 stories about how Montanans are experiencing
22 climate change. We've collected nearly 200
23 stories so far from every corner of the state,
24 highlighting personal experiences about
25 impacts, such as wildfire and smoke forcing

1 children to stay indoors and preventing them
2 from participating in sports, to extreme heat,
3 drought, and flooding impacting our
4 agriculture, our crop yields, and our gardens,
5 to poor air quality, increasing instances of
6 asthma, to storms and extreme weather events
7 knocking down trees, destroying property, and
8 causing power outages, to shifts in weather
9 patterns impacting cultural practices, and so
10 much more. That's just a small sample of the
11 stories we've heard.

12 And speaking from my own experience,
13 my own story, last summer was a massive
14 windstorm that took place here in Missoula and
15 it caused a multiday power outage, and it took
16 months for our community to recover from.
17 These events are more frequent and more severe
18 because of greenhouse gas emissions.

19 The science is clear that greenhouse
20 gases cause changes in our climate system and
21 Montanans are already feeling these changing in
22 their daily lives, only some feeling these
23 stories for years now. Please protect the
24 Endangerment Finding for our children's sake.
25 Thank you.

1 FACILITATOR ANN: Thank you for your
2 comments. Our next speaker is Guillermo Ortiz.

3 MR. ORTIZ: Hello. Can you hear me?

4 FACILITATOR ANN: Yes.

5 MR. ORTIZ: Good evening. I'm
6 Guillermo Ortiz, Senior Clean Vehicles Advocate
7 at the Natural Resources Defense Council. I
8 speak tonight in solidarity with communities
9 living near freight corridors, inland ports,
10 and seaports, communities that have long born
11 the burden of diesel pollution and climate
12 injustice. Let this testimony stand as part of
13 the public record that says, when the EPA
14 turned its back on science justice and the
15 people it was created to protect, we fought
16 back.

17 EPA's proposal to revoke the
18 Endangerment Finding and eliminate greenhouse
19 gas standards for vehicles is a retreat from
20 reason, responsibility, and reality. Medium
21 and heavy duty trucks are amongst the most
22 polluting vehicles on our roads, they burn
23 expensive diesel fuel and contribute and
24 contribute disproportionately to climate and
25 air pollution. While electrification is

1 advancing, there is critical work ahead to
2 scale solutions across all truck classes.
3 That's exactly why strong greenhouse gas
4 standards are needed, to push technology
5 forward is to create certainty for
6 manufacturers and fleets and to ensure that EPA
7 fulfills its mission to lead, not lag, in the
8 fight against climate pollution.

9 The proposal that has been laid out is
10 not a matter of uncertainty, it is a matter of
11 willful neglect. It ignores EPA's owned
12 historical data, which shows that strong
13 standards reduce fuel costs, drive innovation,
14 and deliver billions in public health and
15 climate benefits. It disregards the law, which
16 obligates the agency to act when pollution
17 endangers public health, and it erases the
18 lived reality of those breathing the
19 consequences of inaction.

20 This is not simply a change in
21 direction, it is a calculated act of sabotage.
22 An agency captured by fossil fuel interests
23 actively becoming an instrument of harm and
24 turned into an accomplice to the very
25 industries it was created to restrain. It is a

1 betrayal of every child who will breathe this
2 air, every worker who will labor in this heat,
3 and every community already bearing the weight
4 of climate chaos. I am not here to plead, I am
5 here to bear witness, to say, clearly, this is
6 wrong, this is dangerous, this will be this
7 will be remembered and we will never stop
8 protecting public health, the environment, and
9 our climate.

10 EPA must withdraw this proposal,
11 reaffirm the Endangerment Finding, and reclaim
12 its mission, because the cost of cowardice is
13 measured in lies and the time for courage is
14 now. Thank you.

15 FACILITATOR ANN: Thank you for your
16 comments. Our next speaker is Erika Moseson.

17 DR. MOSESON: Can you hear me?

18 FACILITATOR ANN: Yes.

19 DR. MOSESON: My name is Erika
20 Moseson, and I am a lung and ICU doctor who
21 works in Oregon, in the same hospital where I
22 was born, and strongly oppose repealing the
23 Endangerment Finding.

24 Over my lifetime alone, I have seen
25 the impact of climate change on the Pacific

1 Northwest and how it endangers all of our
2 health. Our weather is more extreme. When I
3 was a kid, nobody I knew had air conditioning.
4 Now we are afflicted by more and more heat
5 events. Fires increasingly destroy communities
6 and fill our air with smoke.

7 I care for patients every day in the
8 ICU and clinic affected by climate change. I
9 have seen patients die of extreme heat events
10 in our hospital and remain haunted by many of
11 the cases, including that of an otherwise
12 healthy mother in her 60s who died from severe
13 heat in a home that had lost air conditioning.

14 Our pollen seasons are now longer,
15 more intense, affecting my patients who suffer
16 from allergies, asthma, and obstructive lung
17 disease, including the rest of us who are now
18 just miserable. The threat of fire is
19 increasingly present, threatening to destroy
20 communities and filling our skies with smoke,
21 that further threatens health.

22 I am also the mother of three young
23 children, and have had to both flee a fire in
24 the middle of the night and keep my children
25 indoors running air filters while our outdoor

1 air was the unhealthiest in the world. As
2 someone who loves the great outdoors, I find
3 myself limited in sharing that experience with
4 my children. Fire concerns often keep us away
5 from areas we would love to go. Smoke choking
6 the air keeps us indoors. Our winter sports
7 are also threatened with decreasing snowfall
8 and increasing temperatures. As someone with
9 fond memories of snowball fights, heavy snow in
10 Central Oregon, family ski trips and more, I
11 wonder whether I will be able to make similar
12 memories with my own children or grandchildren.

13 This is also economically devastating,
14 despite a claim that there will be economic
15 benefit from eliminating emission standards.
16 Patients with lung diseases often cannot work
17 or find themselves with minimal resources.
18 When their diseases are worsened with air
19 pollution or heat, they find themselves having
20 to spend more on healthcare, inhalers, doctor
21 visits, hospitalizations, staying home, and
22 more, all while losing income when not being
23 able to work.

24 The businesses where they work pay
25 more on healthcare premiums and suffer from

1 Eric Balaban, and today I speak for myself and
2 on behalf of my patients with chronic lung
3 diseases who depend on us to protect the
4 quality of our air. In addition to being a
5 physician of seven years currently practicing
6 pulmonology in Philadelphia, I'm a proud
7 veteran of the Army National Guard, and have
8 received formal training in climate change as
9 it pertains to human health.

10 Virtually every respectable scientific
11 body, including this EPA, has converged on a
12 single reality. Climate change is real, it is
13 human-caused and is sensibly driven by
14 greenhouse gases.

15 Now, I come before you not as an
16 ecologist, but as a physician, as someone who
17 bears witness to the predictable yet tragic
18 suffering that results when a warming climate
19 turns our air hostile and our air poisonous.
20 There is not an organ in our body that is
21 spared the harms of climate change. As the
22 planet warms, the air also becomes more toxic.
23 Rising temperatures catalyze the formation of
24 ground level ozone, drier conditions
25 predisposed to massive forest fires that

1 generate particulate pollution, in addition to
2 aerosolizing toxic compounds. In fact, the
3 very combustion of fossil fuel generates
4 volatile organic compounds that pose direct
5 risks to our health.

6 The American Lung Association offers a
7 compendium of evidence-based impacts that air
8 pollution has on our body. Climate
9 change-driven air pollution creates and worsens
10 asthma and COPD. It worsens allergens and
11 sends patients to the emergency department. It
12 causes cancer and leads to death. Beyond the
13 lungs, air pollution enters our bloodstream to
14 catalyze heart attacks and strokes and is
15 associated with neurodegenerative diseases like
16 Parkinson's and Alzheimer's, as well as
17 metabolic diseases like diabetes. All told,
18 the state of the global air report estimated
19 that air pollution accounts for one in nine
20 deaths globally.

21 Today, I urge that sensibility
22 prevails in acknowledging these well documented
23 risks. I implore you to consider the three
24 scientifically reviewed studies conducted by
25 this very EPA that have shown that the Clean

1 Air Act and its amendments have prevented a
2 quarter of a million deaths, while outstripping
3 its cost to the American economy by a factor as
4 great as 30 to 1. I stand along the American
5 Geophysical Union and their report issued just
6 two months ago, declaring that climate that
7 climate science has never been more confident
8 and reliable in both its predictions and its
9 warnings. And above all, I ask you to consider
10 my patients, those unable to join this call
11 today, whose well-being now hangs in the
12 balance of this EPA's decision, to either
13 reaffirm these Findings and protect their
14 health or to stray from the Endangerment
15 Finding and abandon evidence-based decision
16 making altogether. I appreciate your time
17 today and the opportunity to speak.

18 FACILITATOR ANN: Thank you for your
19 comments. Our next speaker is Lauri Costello.

20 DR. COSTELLO: Hello. I'm a physician
21 who practiced for 25 years in Washington State,
22 and I'm now living in New Mexico. The state is
23 a sacrifice zone, partly because it is also
24 home to the largest producing oil field in the
25 country.

1 In July 2017 I testified before the
2 EPA regarding Trump's proposed Stay on the
3 Methane Rule. There were 108 public
4 testimonies against the Stay and two in favor.
5 The Stay was upheld and I had my first
6 realization that public input and scientific
7 facts are easily ignored when democracy is
8 eroding.

9 At the time I was living in Colorado,
10 another heavily fracked state. Rex Tillerson,
11 former CEO of ExxonMobil, was Secretary of
12 State and publicly advocated for fracking, but
13 privately made sure it did not affect his own
14 backyard. Now, New Mexico is facing a third
15 attempt by our Governor, at the behest of oil
16 and gas industry, to allow discharge of toxic
17 fracking wastewater, deceptively referred to as
18 produced water, to further contaminate our
19 environment and threaten our health.

20 I am under no illusion that public
21 health, climate change, or science matter under
22 the current regime. I will not restate the
23 science, nor how many people have been harmed,
24 nor ecosystems destroyed, nor who pays the
25 financial costs, and who reaps the financial

1 rewards of dirtier air. I am, however,
2 compelled to speak the truth and to enter it
3 into the public record.

4 The EPA has already delayed the
5 compliance dates on vital clean air protections
6 without any public input for several
7 industries, including coke, ovens, and steel.
8 I believe we, the people, will prevail in this
9 fight for our democracy and for our planet and
10 for the truth. I join millions of other
11 Americans who know that Mr. Zeldin does, in
12 fact, know the truth and is simply choosing
13 politics and profits over people and our
14 planet. Truth matters.

15 Finally, I want to thank the many
16 dedicated civil servants in the EPA who are
17 suffering under feigned leadership and are
18 desperately trying to stand up for the
19 Constitution, our democracy, our planet, and
20 our health. We appreciate you and we stand
21 with you.

22 FACILITATOR ANN: Thank you for your
23 comments. Our next speaker is Matthew McCombs.

24 MR. McCOMBS: You got me?

25 FACILITATOR ANN: Yes.

1 MR. McCOMBS: All right, thank you.
2 My name is Matt McCombs, and I serve as
3 Colorado state Forester and Director of the
4 Colorado State Forest Service. I want to
5 highlight how EPA's Reconsideration of the 2009
6 Endangerment Finding and vehicle greenhouse gas
7 standards intersects with wildfire smoke here
8 in Colorado, where the state's fourth largest
9 wildfire on record continues to burn.

10 Transportation is the nation's largest
11 source of greenhouse gases. Weakening vehicle
12 standards has the potential to slow the pace of
13 decarbonization, driving hotter, drier
14 conditions that fuel larger, more destructive
15 fires, and more smoke in our communities.
16 Current vehicle standards also deliver critical
17 benefits, like reductions in particulate and
18 ozone forming emissions. Those gains are
19 especially important on high smoke days when
20 baseline air is already unsafe. Without them,
21 the health burden on vulnerable groups,
22 children, older adults, outdoor workers, rural
23 and tribal communities, only grows.

24 EPA has recently tightened the PM2.5
25 standard. Wildfire smoke already makes

1 compliance difficult. If mobile source
2 reductions retreat, states will be forced to
3 lean more heavily on the exceptional events
4 rule, creating a reporting environment that can
5 obscure the real cumulative health risks
6 Coloradans face.

7 And finally, there's the prescribed
8 fire squeeze. Proactive burning is one of our
9 most effective tools to reduce catastrophic
10 wildfires by reducing fuel loads in America's
11 forests. But when states like mine struggle to
12 meet air quality standards, which will be
13 worsened by any rollback of on road reductions,
14 regulators may become even more reluctant to
15 permit prescribed fire actions. That paradox
16 means less mitigation now, which translates to
17 far more hazardous smoke later.

18 For all these reasons, EPA should
19 reaffirm the Endangerment Finding and preserve
20 strong vehicle greenhouse standards. They are
21 essential tools to safeguard health and create
22 the regulatory space we need to manage smoke
23 responsibly in the era of mega fire. Thank you
24 for your time and consideration.

25 FACILITATOR ANN: Thank you for your

1 comments. Our next speaker is Rebecca Neumann.

2 MS. NEUMANN: Hi.

3 FACILITATOR ANN: Hi, we can hear you.

4 MS. NEUMANN: Okay, sorry. Can you
5 say that again?

6 FACILITATOR ANN: We can hear you.

7 MS. NEUMANN: Okay, perfect. I'm
8 Rebecca Neumann, a professor at the University
9 of Washington. I am testifying against the
10 EPA's proposal to overturn the 2009
11 Endangerment Finding.

12 The proposed rule heavily relies on
13 the Department of Energy's 2025 Climate Working
14 Group draft report. This report is deeply
15 flawed. It selectively highlights studies that
16 support a narrow narrative, while ignoring a
17 large body of peer-reviewed science showing the
18 real and growing risks of climate change.

19 I want to focus on a key claim
20 promoted by this report and echoed by the EPA,
21 that elevated CO2 levels benefit agriculture.
22 This is a claim I am well qualified to address
23 as a scientist who studies plant/soil water
24 interactions and climate impacts on
25 agriculture. While more CO2 can stimulate

1 plant growth under ideal conditions. Those
2 conditions such as perfect temperatures,
3 abundant water, and sufficient nutrients are
4 not the reality for most crops in a warming
5 world. As temperatures rise, water becomes
6 more variable and many crops are pushed beyond
7 their tolerable temperature ranges. The
8 benefits of CO2 fertilization are quickly
9 outweighed by the stress and damage.

10 The scientific consensus, stronger now
11 than in 2009, is that climate change, driven by
12 rising CO2, will harm U.S. agriculture. It
13 will reduce yields, increase crop failures, and
14 make food production less predictable.

15 Rising CO2 also reduces the
16 nutritional value of staple crops like wheat
17 and rice, lowering protein and micronutrients,
18 like iron and zinc. At the same time, warming
19 increases harmful toxins, like arsenic and
20 cadmium in these crops. These are not abstract
21 risks. They affect our health, our food
22 systems, and the economic well-being of farmers
23 across the country.

24 The EPA has a legal and moral
25 obligation to base decisions on the full weight

1 of scientific evidence. The evidence that
2 rising CO2 endangers public health and welfare
3 has only grown stronger since 2009. The harms
4 of climate change are real and directly tied to
5 rising CO2 from fossil fuel.

6 I urge the EPA to uphold the 2009
7 Endangerment Finding. Thank you.

8 FACILITATOR ANN: Thank you for your
9 comments. Our next speaker is Alfred Glover --
10 Grover, my apologies. You're off mute.

11 DR. GLOVER: Hello everyone. My name
12 is Dr. Alfred Glover, I'm a practicing
13 podiatrist here in Los Angeles, California, and
14 a member of the National Medical Association.
15 I'm here today to speak about the urgency in
16 addressing the carbon pollution crisis and to
17 firmly oppose any efforts to weaken or repeal
18 the EPA's Endangerment Findings.

19 As we've already heard, we're living
20 through probably one of the hottest periods in
21 our Earth's history, and the impact is being
22 intensified right here in the United States.

23 The science is clear. The burning of
24 fossil fuel is leading the drive to climate
25 change. We must begin an aggressive campaign

1 to phase it out. The solutions are
2 straightforward. We must electrify, we must do
3 clean energy initiatives. And, if we talk
4 about our health impacts, fossil fuel pollution
5 is responsible for one in five deaths in United
6 States alone. It's staggering.

7 But, the solutions are real. Natural
8 carbon sequestration, planting trees, improving
9 green spaces are important, but the real
10 climate progress will require us to do more
11 than that. We have to stop the fossil fuel
12 industry from advertising and green washing and
13 misleading our public and our communities.
14 Ending fossil fuel lobbying that influences our
15 lawmakers and global climate talk is
16 imperative. We must hold the polluters
17 accountable and make them reinvest in the
18 health and wellness of our communities and our
19 people. That is why I stand firmly with the
20 American Lung Association in defending the
21 EPA's Climate Endangerment Findings. Repealing
22 it would be reckless, it would take us back and
23 it would undermine all of the great work that
24 the EPA in this country has done in the past.
25 We must continue to fight for Americans and I

1 stand with all that's already spoken. Thank
2 you.

3 FACILITATOR ANN: Thank you for your
4 comments. Our last speaker, and please forgive
5 any mispronunciation, is Samuel Strgacich.

6 MR. STRGACICH: Hello. Can you hear
7 me?

8 FACILITATOR ANN: Yes.

9 MR. STRGACICH: Hello. My name is Sam
10 Strgacich, I'm a retired teacher, Pasadena,
11 California, homeowner, grandparent, and Eaton
12 fire survivor. I'm here to express my
13 opposition to the proposed rollback of the
14 Endangerment Finding and the cutting of
15 emission standards for cars, trucks, and power
16 plants. These actions will only put more
17 people at risk to the devastating effects of
18 climate change.

19 It has been more than seven months
20 since the Eaton fire and my family has not been
21 able to move back to our home due to high
22 levels of lead, arsenic, and nickel found
23 throughout the house. This is what climate
24 disaster is. It's not only the abnormally
25 intense and frequent fires, floods, wind

1 events, and heat waves, but the long and
2 stressful aftermath, the costs, unanswered
3 questions, and their protracted battle with
4 insurance companies. The extreme weather
5 conditions that made this fire so devastating
6 are happening right now in our country and
7 others. Canada, Spain, Portugal, and many
8 other locations across our globe are struggling
9 to contain wildfires made worse by record heat.

10 This week the majority of the United
11 States will see temperatures 10 to 15 degrees
12 above normal. Clearly, this is a worsening
13 scenario, yet EPA Administrator Zeldin chooses
14 to consider the worst possible action to take.
15 Essentially, to lie about and ignore the
16 effects of climate change.

17 Lying about the reality doesn't change
18 it. Lying about climate change puts more
19 people's health, homes, and futures at risk.
20 We cannot allow this irresponsible behavior to
21 continue. Government rollbacks cannot be
22 prioritized over climate preparedness and
23 disaster recovery.

24 I am also testifying today because my
25 family believes that no one should have to go

1 through this. Future generations should not go
2 through this. We are not powerless to stop
3 this. EPA Administrator Zeldin must
4 acknowledge that climate change-driven extreme
5 weather is impacting millions of Americans and
6 will likely get worse. This Administration's
7 EPA must uphold their mission to protect our
8 health and environment, anything less is a
9 betrayal of the American people. Thank you.

10 FACILITATOR ANN: Thank you for your
11 comments. We are now at the end of our
12 session.

13 EPA, are you ready to adjourn the
14 virtual hearing?

15 MR. CHARMLEY: Ann, I just wanted to
16 remind everyone who is still listening that if
17 you are still -- if you didn't get an
18 opportunity to speak today and you are
19 interested, you can still do the online
20 registration and we can put people on the
21 waiting list for Wednesday and for Thursday and
22 for Friday, if anyone is interested.

23 But, yes, overall I think we're ready
24 to end. I just wanted to mention a couple of
25 things. I did want to thank Ann and Pam for

1 facilitating throughout the day today and for
2 our ICF colleagues for helping us run the
3 hearing. I wanted to thank the Assistant
4 Administrator for opening the hearing this
5 morning. I wanted to thank all the EPA staff,
6 all my colleagues, for helping facilitate and
7 participate in the hearing today. And most
8 importantly, for everyone who is still with us
9 and listening in and participating, we really
10 appreciate you participating in the public
11 hearing for this action and sharing your views
12 with the agency.

13 With that, Ann, we can go ahead and
14 close today's hearing.

15 FACILITATOR ANN: Thank you for
16 joining the virtual public hearing for the
17 United States Environmental Protection Agency's
18 Reconsideration of the 2009 Endangerment
19 Finding and greenhouse gas vehicle standards.
20 This hearing has concluded.

21 If you have additional comments that
22 you would like to provide today, you can also
23 submit them through the docket at
24 www.regulations.gov, using Docket ID
25 EPA-HQ-OAR-2025-0194, before September 22,

1 2025. Thank you. Have a good evening.

2 (Whereupon, Day 1 of the U.S. EPA
3 Public Hearing of the 2009 Endangerment Finding
4 and greenhouse gas vehicle standards concluded
5 at 7:48 p.m.)

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

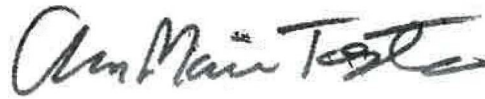
25

CERTIFICATE OF REPORTER

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

I, ANN MARIE TESTA, a Stenographic Court Reporter, do hereby certify that I was authorized to and did report the foregoing proceedings, and that Pages 1 through 501 of the transcript are a true and correct record of my stenographic notes.

DATED this 29th day of August, 2025.



Ann Marie Testa
Stenographic Court Reporter

The foregoing certification of this transcript does not apply to reproduction of the same by any means, unless under the direct control and/or discretion of the certifying reporter.

A				
AAFA 189:14	409:20 437:6,7	accelerate 88:14	accountable	69:12 75:17
189:16	452:1,6 456:11	119:4 129:8	254:25 255:12	94:7 98:9 99:8
AAP 17:12	456:12,18	163:11 164:2	496:17	101:2,8,9,10
Aaron 1:11 2:19	471:6 472:3,3	329:5 457:15	accounted	107:9 109:10
3:9 10:1	484:11,23	accelerated	102:22	109:16,18,22
abandon 72:15	485:23 497:21	173:18 287:13	accounting	109:25 121:15
98:25 112:3	abnormality	accelerating	142:14 182:10	122:18 125:5,9
124:20 134:12	117:9	51:1 61:24	191:3 338:4,14	128:8 132:16
162:7 222:8	abnormally	94:8 124:16	accounts 73:9	134:8 135:20
236:11 237:21	497:24	220:19 235:14	487:19	136:15 159:4
269:23 371:16	abroad 308:8	357:22 399:17	accumulates	173:21 176:21
488:15	474:22	acceleration	27:24	200:11 211:16
abandoned	absences 191:4	184:10	accuracy 9:8	216:3 222:21
118:6	absent 4:8	accelerator	accurate 178:15	238:18 244:10
abandoning	100:18	206:13	accurately 14:2	247:17 253:2
98:10 126:17	absenteeism	accept 11:22	255:4 267:20	257:1 268:14
240:23 301:15	244:20	273:5 362:18	296:15 319:1	289:18 300:11
423:5 455:3	absolute 329:15	400:24 401:20	365:10 387:6	305:8 306:21
abandonment	absolutely 35:16	437:5,9 444:8	485:20	308:11 309:3
229:12 432:9	69:23 157:6,13	acceptance	ACEEE 340:17	310:15,22
abandons	157:19 212:4	338:21 373:6	achievable	322:22 324:15
335:24 386:17	232:7	accepted 204:23	181:4 341:23	337:21 353:21
ABC 441:15	absorb 178:2	391:18 463:14	446:13	367:11 372:4
abdicate 167:15	absorbed 179:2	accepting 13:11	achieve 58:18	372:12 396:5
220:14	absorbs 178:7	access 58:14	88:15 420:4	396:11 406:22
ability 30:5,12	abstract 23:8	118:20 163:7	472:17	407:2 413:12
31:6,12 106:7	118:12 120:4	176:20,21	acid 125:11	413:20 424:6
128:18 130:14	189:25 229:4	177:7,9 263:8	acidic 55:8	425:24 440:21
138:10 146:9	311:21 357:1	361:21 366:23	acidification	445:11 446:16
155:1 156:21	377:17 379:8	383:14 386:25	290:13	452:22 471:22
177:11 192:24	494:20	395:15 429:8	acknowledge	473:5,25 475:8
287:9 311:15	absurd 101:23	accident 227:22	269:13 499:4	477:22 481:16
321:17 345:2	223:14	accidentally	acknowledges	481:21 488:1
347:8 383:12	abundant 54:14	142:17 409:10	438:6,18	acted 406:10
385:5 410:18	90:17 208:20	accommodates	acknowledging	424:21
425:14 427:9	424:12 494:3	88:11	291:6 380:3	action 8:22
432:25 435:14	abundantly	accompany	487:22	17:17 18:2
able 11:23 13:20	110:8	383:3	ACP 92:9,11,24	36:18 46:10
25:21 33:1	abuse 352:3	accomplice	93:3	58:20 100:23
61:9 129:24	abyss 248:5	481:24	acquaintance	101:20 107:17
177:1 203:17	AC 365:24	accomplishing	403:25	110:24 116:20
233:22 239:8	476:2	5:9	acres 269:17	125:20 127:11
240:11 262:5	academic	account 67:9	320:6 412:2	130:9 132:21
273:5 287:2	276:20 277:8	80:7 154:21	415:11 454:1,3	135:14 147:8
318:18 321:21	Academically	188:5 201:1	act 4:10 17:17	158:16 159:1
323:9 325:21	388:9	232:15 420:6	27:17 40:24	183:9 195:9
329:24 364:19	academy 17:10	438:19	44:25 45:1,20	196:24 200:7
370:16 392:17	17:21 37:8	accountability	46:12 59:7	220:15 235:24
	156:3 292:19	356:24	61:15,21 68:21	285:6 298:13

306:23 312:25 332:24 333:25 357:14 358:1 359:6 374:2 375:24 377:25 380:4,16 381:12 396:7 396:25 401:15 413:2 414:4 417:17 440:11 440:19 447:11 459:13,13 460:25 475:9 498:14 500:11 actions 5:3,6 80:16 125:18 170:4 270:2 296:25 313:1 351:3 373:19 400:19 421:25 425:16 469:14 492:15 497:16 active 145:19 367:18 385:2 actively 91:12 195:18 295:1 481:23 activists 126:11 activities 62:2 145:20 222:15 289:10,25 348:10 358:8 activity 28:13 30:10 142:11 178:20 231:9 290:8 291:22 331:15 345:16 457:8 acts 258:21 acute 72:23 95:20 153:21 205:12 227:5 306:10 acutely 84:16 199:4 220:18 Adam 311:7 adamantly 114:7 adapt 163:6	170:11 248:10 adapted 193:12 add 63:14 143:15 214:5 214:11,25 353:24 436:3 447:22 461:16 added 185:15 406:16 448:16 adding 193:3 399:8 406:12 addition 3:16 7:9 71:8 132:1 275:12 283:10 326:14 351:9 373:9 429:5 486:4 487:1 additional 5:18 5:23 7:2 8:21 11:12 13:19 73:5 74:12 142:3 162:1 203:16 233:4 278:24 318:17 343:15 373:15 399:6 409:19 423:4 456:1 471:1 500:21 Additionally 13:1 28:14 79:16 134:24 234:14 236:22 431:20 450:14 address 30:16 45:1 70:18 76:1 78:20 94:25 99:5 106:7 225:12 230:5 312:15 313:25 335:22 371:12 372:21 374:12 380:4 380:22 410:18 435:10 440:15 493:22 addressed 161:24 224:5 437:24 addresses 88:12	125:9 addressing 70:16 75:19 188:24 190:20 209:21 211:18 382:8 495:16 adequate 193:21 231:19 ADHD 30:9 adhere 43:15 adhering 159:4 adjacent 320:5 adjourn 202:5 499:13 adjourning 407:23 adjusting 169:4 adjustments 9:3 Administration 43:14 56:19 65:15,24 74:21 75:4,19,22 90:17 95:8 110:10 111:1 115:20 116:5 194:4 195:9,19 195:24 196:10 196:23 197:5 209:22 268:21 268:22 289:19 324:9,11 328:3 397:10 448:14 457:10 Administratio... 74:18,25 87:5 111:12 193:20 195:4,12,22 410:17 461:1 499:6 administrations 126:13 176:1 189:16 Administrator 2:20 3:10 4:22 5:1 6:9,10 86:22 97:16 126:16 127:4 127:10 172:13 230:17 308:25	321:11 334:5 386:23 398:7 399:25 431:15 471:23 472:2 498:13 499:3 500:4 administrators 184:8 405:6 admiration 76:18 admission 65:23 admissions 160:23 174:10 211:12 admits 65:20 admitted 48:3 364:15 456:1 adopt 396:12 adopted 167:9 305:17 adopting 113:16 424:23 adoption 43:24 87:16 88:5 413:25 Adriana 439:23 440:5 Adrienne 384:13,14 adult 119:5 236:3 353:1 adulthood 361:25 adults 23:1 38:14 95:16 129:23 256:14 272:18 300:9 302:8,13 303:24 385:9 458:24 491:22 advance 5:6 11:10 14:3 59:22 203:13 204:8,12 207:4 228:19 318:14 396:5 409:1 advanced 60:8 290:7 295:3 463:23	advances 460:6 advancing 36:19 53:3 355:11 481:1 advantage 246:15 297:8 adversaries 309:2 adverse 45:14 86:8 176:10 190:15 333:14 415:16 468:13 adversely 382:9 advertising 496:12 advisor 192:11 200:6 advisories 221:25 advisors 256:9 advisory 277:11 325:25 369:18 388:6 advocacy 118:1 175:9 189:19 236:2 249:24 315:23 advocate 29:9 44:16 121:2 140:22 150:9 156:16 335:12 395:14 480:6 advocated 247:11,22 489:12 advocates 134:6 235:25 advocating 117:16 aerosolizing 487:2 Affairs 42:3 57:15 252:6 affect 119:23 142:4 155:1 253:19 416:24 489:13 494:21 affiliate 71:25 affiliated 213:16
---	---	---	--	---

affiliation 12:4 14:7	agencies 41:15 118:3 140:2	384:24 403:5 403:17 418:7	52:2 53:5,14 56:2,7,9 61:20	183:21 184:11 185:21 186:6
affirm 289:8	369:16 371:24	418:16 435:2	61:21 67:6	190:3,7,10,18
affirmed 176:1 198:7 359:2	387:23 396:4 473:24	440:17 465:22 476:7 488:6	68:21 70:4,17 70:22 71:1	191:24 193:5,7 196:25 198:12
439:14 440:18	agency 3:4 5:10	agonizing 132:13	72:19,24 81:19 82:5,21 85:21	200:10,10,11 201:13 209:15
afflicted 483:4	34:17 48:4	agree 425:17 447:19	85:22 89:15,22 89:23 90:5,13	211:16 213:7 213:24 214:8
afford 88:1 115:14 141:4	58:3 61:15	agreed 288:7 474:17	90:14 92:25 93:10 94:23,25	214:12 216:3 216:17 217:4
147:14 164:10	76:18 97:18	Agreement 80:1 432:3	98:9 99:8 101:2,9,9	218:23 221:25 222:1,21 224:7
177:1 186:4	100:23 120:19	agrees 300:18	103:15 105:12 106:16 107:9	224:11,16,22 225:6,8 230:24
216:20 224:18	124:6 215:17	agricultural 253:17 278:19	109:10,16,22 109:25 110:4	232:14,18,23 233:6 234:1,18
225:9 233:5	222:7 230:4	agriculture 218:4 229:15	113:9 115:11 121:15,16,17	234:24 237:8 237:12 238:10
238:21 261:17	236:9 271:25	230:15 250:20 479:4 493:21	122:18 125:5,9 125:9 127:25	238:24 240:12 241:2,12
263:8 281:19	285:1,13	493:25 494:12	128:8,15 130:3 130:5,6 131:4	247:16 253:2,6 254:25 255:12
324:6 354:15	324:20 334:3	agrivoltaics 314:18	134:8,21 135:13 136:7	255:14,16,22 256:2,21 257:1
366:11 424:8	335:22 341:17	AGU 289:7	136:15 138:3 138:16,19	257:5 258:21 259:18 261:14
443:16	352:4,16	ahead 14:15 21:19 56:24	140:20,23,25 141:22 143:7	261:17 263:9 263:13 264:17
affordability 20:20 446:1	372:15 382:15	107:14 109:5 202:2 265:17	143:10 144:10 144:24 145:16	266:18 268:14 269:18 271:19
affordable 58:8 75:24 87:13	384:7 397:17	270:16 327:13 330:2 386:18	146:20,24 149:8 150:9,20	272:2 280:20 280:25 281:16
154:22 176:21	473:18 481:16	412:21 471:9 481:1 500:13	150:22 152:3,6 154:6,15 156:2	282:12 283:1 286:17 289:18
177:9 427:25	481:22 500:12	AIA 84:8,18	157:2,15,21,25 158:12 159:4	291:24 292:13 292:16,20
445:4	agency's 2:5 48:16,22 49:17	ain't 324:12	160:5,18,20 161:8 162:25	293:12 299:20 302:24 305:8,9
affords 315:20	49:20 71:10	air 2:20,24 3:4 3:10,14,19	163:25 165:4 165:11,18	305:15,22 306:3,17,21
afraid 266:9 271:10	110:3 112:4	4:10 16:5,25 19:6 22:5,14	166:11 167:22 167:24,25	310:22 311:17 311:22 312:6
Africa 278:10	124:9 127:13	23:22 24:5 25:1,10,15	168:14 170:13 172:23 173:1	312:12,17 325:19,23
aftermath 33:25 224:1 269:19	220:3 252:13	27:17 29:6 30:3,4 31:5,17	173:21 174:13 174:19,20	326:5,10,11,17 329:12 334:25
498:2	285:7 435:14	33:13 34:11,13 34:14 37:18	175:24 176:8 177:14 181:5	335:12 336:11 337:21 338:16
afternoon 202:12 210:9	439:14 500:17	38:12,13 39:8 40:5,13 44:25		
219:24 249:22	agenda 10:2 36:21 370:21	45:3,16,20 46:11,12,13		
252:4 254:19	aggravated 306:8	48:15 50:18		
262:18 265:22	aggravates 168:1			
273:24 284:4	aggressive 87:20 411:18 495:25			
287:3 307:11	aging 222:25			
315:15 340:12	ago 32:12 67:22 68:17 90:23			
342:19 355:6	91:18 95:2			
367:17 369:14	103:18 131:13			
371:21 395:5	133:25 160:16			
400:6 407:16	187:12 205:19			
423:21 461:24	221:5 238:23			
Agave 355:9	240:25 257:19			
age 148:4 258:19 441:13	260:7 273:11			
456:13	286:23 327:1 343:11 360:11			

338:22 344:21 347:6 349:14 352:15 353:21 354:1 356:17 358:21 359:25 360:6 364:16 365:7,15 366:9 369:16,22 371:23 372:4 375:19,21 379:12 381:6 382:12 383:4 383:13,20,23 384:3,25 385:6 385:14 386:25 387:18,21,21 387:23 388:3,6 388:11,17,19 389:8,9,22 390:2 391:8 395:14,22 396:1,6,11,23 397:6,13 398:10 399:20 406:5,22 407:2 410:6 413:20 414:9 418:23 419:19,22 420:4,14,16,17 420:18,21 421:3,6,7 422:16,20 424:6,21 425:23,24 427:12 431:5,8 432:17,19 440:18,21 442:3 445:11 445:15,18 446:15,16 448:1 451:2 452:22,23,24 453:6,9 463:10 467:17 470:13 470:17 471:22 471:25 472:8 473:5 476:20 477:10 479:5 480:25 482:2	483:3,6,13,25 484:1,6,18 486:4,19,19,22 487:7,9,13,18 487:19 488:1 490:1,5 491:20 492:12 air-conditioned 127:5 airborne 388:23 airplane 275:24 airport 414:13 airway 213:25 airways 50:14 141:15 ALAN 1:14 alarm 188:18 alarmed 117:6 alarming 229:21 alert 273:4 275:23 325:23 369:22 384:25 alerts 30:4 33:13 81:20 164:1 256:3 302:24 Alex 360:10 Alexa 189:11,12 Alfred 495:9,12 algae 124:18 253:14 261:6 391:12 Ali 344:17,19 Alice 244:4,8 375:11 align 28:19 aligned 108:25 aligns 195:21 alike 52:1 117:15 250:23 allegedly 245:23 Allentown 162:13,19 163:20 164:13 allergens 290:18 487:10 allergies 138:17 141:21 175:12 189:18 333:10 403:8 483:16	allergy 50:4 175:10 189:14 191:22 403:9 alley 303:12 alliance 60:11 114:5 173:10 363:5 allied 84:9 171:11 allies 309:5 allow 11:24 29:19 51:16 98:9 111:23 147:1 157:11 188:7 211:5 213:10 220:12 258:22 296:22 297:1 329:18 343:19 344:7 401:4 489:16 498:20 allowed 6:20 249:8 338:19 allowing 12:12 28:1 101:21 107:11 182:8 215:8 225:19 299:9 302:5 362:24 396:12 419:10 428:10 448:22 allows 156:24 274:16,18 319:14 335:22 458:20 461:3 ally 189:17 alongside 247:11 Alson 76:6,7,7 Altadena 227:24 269:16 469:4 alterations 353:2 altercation 403:24 altered 411:10 altering 405:17 411:14 alternative	341:24 alternatives 182:3 477:18 altogether 488:16 Altomari 319:2 Alvero 466:13 466:14,17,18 Alzheimer's 487:16 AMA 17:20 Amanda 1:17 29:2,3 amazing 63:24 63:24 64:22 194:18 427:25 ambassadors 398:23 ambiguity 110:13 ambition 19:13 ambulance 32:18 Ameen 147:20 147:21,22 amended 101:8 amendment 109:15 amendments 109:25 488:1 America 116:10 174:18 187:3 189:14 195:23 197:3 247:18 249:8 281:24 283:22 288:20 299:8 304:20 308:15 342:20 352:24 354:15 400:13 401:14 445:17 474:21 America's 15:2 16:13 19:11 26:12 42:24 137:11 231:4 231:12,13 247:24 307:20 309:7 401:6 410:17,25	492:10 American 5:8,12 5:13 14:25 17:10,20,21,22 17:24 37:8 42:3,16 43:7 55:11 56:24 73:20,24 74:7 74:18 83:1,7 84:7 86:18 87:24 91:14 92:6 105:14 112:6 125:21 130:4 132:9 133:13 134:4 135:6 150:21 151:13 156:3 170:16 179:22 180:6 181:10 182:23,24 185:4 198:15 199:23 209:17 210:3 212:20 222:24 225:17 236:15 237:7 237:21 255:15 264:11 269:1 270:1,7 278:6 289:3 297:7 311:16 314:3 314:11 340:15 343:5,25 376:6 386:24 394:5 394:12,21 396:20 399:23 419:12,24 427:22 439:17 443:25 449:16 450:13,17 451:8 456:24 457:23,24 458:2 463:9,13 487:6 488:3,4 496:20 499:9 American's 53:13 108:5 111:3 Americans 5:13 16:4 18:7
--	---	--	--	--

19:18 20:25 34:8 52:1,1 72:18,22 73:14 74:23 75:10,25 89:8 98:11 99:2,9 107:23 110:19 111:20 112:25 114:17 121:23 126:18 127:1,6 134:9 136:7,10 175:12 179:14 179:18 180:22 189:24 195:20 195:25 196:25 197:12 198:19 206:24 212:9 219:12 231:20 235:7,17 236:19 237:13 238:2 243:25 254:10 262:23 263:25 287:23 297:9 298:2 299:10 301:16 304:1 307:22 308:10,22 309:3 315:8 324:5,22 360:20 374:3 375:23 377:13 385:16 398:1 398:13,20 399:19 400:15 401:9 414:7 422:23 425:19 431:24 432:10 456:3 457:22 460:8 462:17 470:20 474:2,4 474:25 477:23 490:11 496:25 499:5 Americans' 393:16 477:9 amidst 399:3 amount 94:25 132:22 178:24 178:25 179:7	218:19 amounts 143:19 144:20 169:16 258:15 285:12 ample 368:9 amplifies 198:10 amplify 71:2 144:23 analogies 192:25 analogous 70:21 analogy 192:21 analyses 111:10 analysis 16:1 40:14 45:6 47:13 48:15,22 48:25,25 49:22 73:8 78:25 136:24 137:5 154:22 194:15 286:7 354:11 431:23 438:2 438:14 439:19 462:3 463:24 Analyst 143:6 340:14 analyze 371:6 analyzed 368:4 analyzing 277:14 and/or 502:17 Anderson 102:4 102:5,7 Andrea 204:19 210:7,10 Andrew 240:5,6 anesthesiologist 426:19 ANGELA 1:16 Angeles 139:25 257:18 269:14 282:22 299:19 301:5,7 346:1 346:6 353:7 375:1 387:17 387:21 399:13 422:5 469:18 495:13 anguish 295:21 animal 261:3,19	261:21 animals 326:18 Anita 223:3,10 Ankush 160:8 160:11 Ann 1:18,22 14:10 16:18,21 121:8,9 202:12 202:16,23,25 205:3 207:3,11 210:5 212:25 215:11 219:13 219:21 223:2,6 225:21 228:7 228:12,15 230:21 233:11 235:20 238:3 240:4 242:6,17 244:3,7 246:21 247:1 249:15 251:25 252:3 254:17 255:1,6 257:13 259:23 260:2,4,7 262:12,16 265:8,17,19 266:19 267:4 267:17,22 270:8,11,12,16 270:19 272:24 273:14,17,21 276:17,23 277:5 279:19 280:6 282:3 284:2 286:9,13 288:22 291:9 293:18 296:12 299:12,17 302:1 304:9,13 304:15 305:1,3 307:8 309:9 311:6 313:10 315:10 317:1,9 317:16,20,24 318:2 320:24 322:25 325:9 325:13 327:8 327:12 330:2 332:8,21 335:4	337:6 338:6,8 338:11 340:8 340:11 342:14 342:17 344:16 347:1 349:16 352:8 354:23 357:5 359:14 359:19,21 362:8,22 365:1 365:4,8,12 367:15 369:12 371:19 373:23 376:13 378:25 381:20 384:12 387:3,10 390:5 390:15,18 392:15 395:3,7 398:4 400:4 402:13 404:24 405:3 407:12 407:14,22 408:4,8,13,14 412:16 414:17 417:6,12 419:8 421:10 423:18 428:8 439:22 440:2 442:12 444:19 446:21 449:25 450:4 451:21 454:17 456:19 459:6 461:17,22 462:6,9 464:11 464:16,20,23 464:25 466:12 466:16 468:23 471:3,5 473:8 475:12 478:6 480:1,4 482:15 482:18 485:16 485:24 488:18 490:22,25 492:25 493:3,6 495:8 497:3,8 499:10,15,25 500:13,15 502:4,13 annihilate 319:17	announce 297:11 announced 5:5 announcement 4:22 5:1 127:5 334:2 announcing 7:15 8:24 annual 51:9 53:22 80:2 85:11 123:2,3 123:4 191:7 209:12,14 328:20 357:24 368:18 379:17 454:4 annualized 340:24 464:3 annually 179:9 179:12 217:24 232:5 357:23 358:2 399:8 460:9 461:8 answer 182:17 anthropogenic 227:14 243:4 400:10 415:25 anti 370:21 371:17,17,18 antibiotic 433:15 antibiotics 433:9 antibusiness 247:20 anticipated 121:18 452:25 472:1 anticipating 379:19 antiscience 77:15 111:17 anxiety 132:6 142:4 172:8 348:20 428:24 458:7,14 anymore 347:20 443:7 anyone's 14:4 anyway 327:21
---	---	---	---	--

APA's 177:14	66:15 75:4,5	argues 66:13,14	Ashley 137:24	3:9 6:8,10 94:2
apartment	75:24 170:10	125:15 128:3	138:2	96:11,13,17,19
228:3 345:17	357:25	arguing 125:6	aside 258:20	99:11,13,14
APHA 135:5	appropriate	argument 219:1	436:24	395:11 500:3
APHA's 135:17	32:22 33:1	372:12 448:21	asked 68:24	assisted 3:20
API 74:8,12	59:10 310:25	arguments 6:19	77:16 355:20	associate 363:1
apocalypse	350:3 452:18	19:25 47:15	asking 72:6	associated 36:15
278:12 301:6	approve 59:2	49:8 192:25	142:16,22	54:16 103:3
apologies 267:21	approximately	193:15 284:11	171:14 239:24	139:10 148:23
270:22 421:10	11:18 168:22	285:11 297:21	242:2 288:14	172:4 283:2
423:18 430:12	258:3 328:17	440:12	334:21	363:4 404:12
495:10	458:5	arising 439:3	asleep 366:1	441:7 477:10
apologize 14:3	apps 13:4	Arizona 35:1,3	aspect 132:19	487:15
62:23 67:3	April 130:6	73:17 112:15	aspects 70:25	association
204:12 304:24	214:18 259:5	112:16 113:12	342:10	14:25 17:24
426:14 430:8	319:24	113:14 205:6	asphyxiation	42:6 52:15,17
apparel 249:1	Aquifer 229:19	236:21 309:13	144:13	52:22 57:17
apparent 266:15	AR6 330:7	309:19 310:5	assault 401:11	86:17 105:15
271:17	Arabia 165:17	355:10 365:6	404:9	132:9 133:14
appeal 419:18	Arathiarathi	365:14 366:4	assaults 394:25	134:4 135:6
appear 70:15	83:13 84:2,4,4	366:17,22	Assembly 94:4	150:21 158:22
71:6 204:1	arbitrary 137:6	375:2 423:1	assert 193:14	159:6 180:13
207:6 220:1	arch 216:15	470:23	237:17	180:15 182:24
242:11 362:12	architect 240:9	Arizona's	asserted 372:14	182:24 185:4
appears 12:7	450:7	112:14 205:22	assertion 101:23	198:15 231:1
118:5 242:8	architects 84:6,8	206:5	193:3 343:2	264:11 309:13
273:1 341:16	84:9	Arizonans	372:20	337:18 369:16
451:24,24	Arctic 287:13	112:25 205:12	assertions	369:18 371:23
Appendix 49:12	area 68:10 90:20	207:2	192:14 193:17	410:7 419:25
applicable 10:18	109:7 129:1	Arkema 144:1	asserts 84:18	456:25 457:24
372:11 471:24	150:22 171:7	Arlington 390:9	193:14	457:25 487:6
applied 396:9	257:25 261:22	390:20	assessment 2:23	495:14 496:20
apply 7:20,22	286:22 310:7	arm 19:15	3:12 49:15	Association's
502:17	320:1 326:12	arms 286:24	50:23 61:25	37:9 130:5
appointed	348:2 363:2	Army 435:21	62:5 111:14	255:16 419:14
276:21 277:9	422:8 435:17	486:7	122:10 129:3	associations
appointees	438:1,13 454:4	arranged 11:17	134:16 188:17	42:4,7
76:15 77:25	458:23 470:1	arrive 406:2	193:25 235:12	assume 87:1
393:2	area's 160:22	arrived 414:11	286:3 316:7	assumed 394:22
appreciate 8:9	287:11	436:11	328:5 350:21	assumptions
47:1 59:17	areas 72:25	arsenic 494:19	416:4,6	44:6 87:20
126:6 128:15	74:16 139:21	497:22	assessments	88:4 137:6
195:2 207:15	149:6 174:14	article 53:18	97:18 193:23	assure 9:7
252:11 260:12	174:15 199:13	articles 290:22	193:24,25	asthma 25:13
421:15 426:17	236:15 269:17	292:23 442:7	194:2 289:15	37:14 38:3
456:17 471:11	290:23 311:23	articulate	393:8	39:19 40:18
488:16 490:20	316:18 418:4	213:12	assistance	45:15 50:4,10
500:10	474:24 484:5	ash 257:24	242:14 446:25	50:12,16 51:20
approach 28:1	argued 309:1	ashamed 78:4	assistant 2:20	51:24 54:13

55:19 61:2,10 68:12 69:9 72:20 90:7 95:14,16,18,21 103:4 105:13 105:23,25 106:1 115:12 120:11 135:8 135:11,12 138:14 141:16 141:21,25 142:1 144:25 146:22 149:7 151:1,3 154:17 156:6,12 161:20,21 162:22 163:14 168:2 169:10 174:9 175:10 175:12 176:7,9 176:12,22 177:2,5,13 186:12 189:13 189:17,24 190:3,5,11,13 190:19 191:1,8 191:10,20,22 198:21 214:3 217:6 224:9 225:4 237:9 239:4 241:6 249:7 255:24 256:22 271:20 281:3,17 282:25 283:5 291:20,24 292:1,3,17 298:22,23 299:3 303:3 312:8 324:25 325:17,20 326:1,25 333:10 336:16 356:7 358:6,11 377:12 385:4 386:1,6 397:9 403:7 418:24 420:9,12 423:12 427:15	455:19 468:13 472:19 476:21 479:6 483:16 487:10 astounding 232:6 astronomy 465:6 ATA 42:5,10 43:17 ATD 86:19 athlete 398:23 Atlanta 147:24 447:9 Atlantic 169:22 170:2 atmosphere 27:2 63:15 73:6 76:21 90:24 92:19 137:15 178:7 199:16 258:16 319:13 319:14 322:1 339:7 370:10 389:1,4 423:5 456:2 471:2 atmospheric 15:12 65:22 125:11 171:20 178:16 275:6 275:18 276:2 328:16,21 331:15 475:19 477:16 attack 50:12 51:20 61:3,10 145:5 165:7 195:10 209:23 403:7 attacks 40:18 45:15,15 50:16 54:14 90:7 103:4 105:13 120:11 141:16 172:9 176:10 177:5,14 190:5 190:11 198:21 291:20 292:1 292:17 312:1	358:11 386:6 487:14 attainment 371:3 attempt 9:7 79:19 99:7 111:18 167:15 198:2 208:20 259:10 265:12 297:25 350:4 440:14 446:3 489:15 attempting 136:9 440:1,16 473:18 attempts 172:7 195:4 291:1 393:4 attendant 19:8 attendee 265:11 332:13 362:17 attendee's 10:20 attendees 11:11 203:15 249:17 318:16 355:2 409:3 attending 6:2 50:6 91:24 233:16 302:21 attention 63:8 63:12,17 199:9 204:3 attentive 409:9 attesting 278:7 attorney 96:12 96:13,17,19 99:12,13,15,16 166:14,17,19 166:22,24 204:14,18,20 204:25 205:2,4 205:5 207:8,10 207:12,13 210:6,8,10 215:12,13,14 219:14,18,23 219:25 324:3 444:22 attorneys 15:11	attributable 179:10 227:14 attributed 345:15 attribution 139:9 459:22 460:5,20 audiences 275:22 audio 266:21,24 267:2 276:24 357:7,8 359:16 390:16 August 1:10 3:22 6:16 9:11 68:5 110:13 205:21 253:5 256:4 310:10 328:6 502:9 Augustine 114:12 Austin 293:24 author 79:16 292:21 330:7 author's 285:17 authoritative 393:7 authorities 109:9,19,22 authority 4:9 10:18 27:15 30:16 37:21 38:25 40:23 97:15 101:2 110:2 128:1 147:8 206:16 211:8,11,17 216:3 218:14 230:4 305:7 316:15 352:4 396:2 397:15 413:21 421:6 446:18 462:22 authorization 436:13 authorized 7:22 97:13 417:20 502:5 authorizes	471:23 authors 62:6 284:14 285:15 autism 324:25 auto 5:13 123:17 254:6 296:23 automaker 343:10 automakers 41:7 58:25 59:11 343:19 automatically 10:22 79:12 automobile 64:19 86:17 87:24 automotive 296:20 autumns 23:12 Ava 473:9 availability 251:12 343:15 available 7:24 8:13 10:12 41:23 45:10 58:8 66:24 81:13,15 88:19 104:11 166:18 194:14 206:5 343:24 394:15 477:23 average 27:10 27:11 62:4 85:11 95:18 191:10 208:5 217:23 245:3 254:7 290:11 314:10 328:17 328:20 348:1 425:7 460:15 477:19 averaged 217:21 averages 97:6 averaging 244:25 Avery 376:14,16 aviation 216:13 avoid 40:17 85:15 111:19
--	---	--	--	---

166:4 263:15 322:23 380:6 avoidable 356:23 avoidance 85:18 avoided 201:14 341:2 354:13 Avol 387:8,9,12 387:13 aware 68:7 115:1 118:10 199:4 435:3 awesome 282:12 282:14 286:13 395:8 axial 331:12	296:25 297:12 299:25 308:14 314:1,7,12 317:17 327:23 335:20 336:18 337:14 339:21 354:15 357:8 359:15 377:11 378:19 380:5 380:10,21 381:1 396:16 398:2 408:5 413:7 414:3,15 423:2,10 425:17 436:20 437:2 443:17 455:17,24 457:13 465:8 465:21 466:5,7 466:8 468:9 470:24 473:17 476:7 480:14 480:16 496:22 497:21 backbone 288:3 307:20 backdrop 206:8 backed 264:24 441:3 background 369:15 backing 19:21 268:24 backpacked 316:17 backs 106:12,13 443:2 backward 201:10 240:24 424:7 backwards 147:13 164:9 248:14 281:19 315:3 backyard 443:4 489:14 backyards 356:2 bad 28:24 56:9 90:5 113:6	185:25 198:12 199:18 222:1 222:18,19 249:13 382:12 476:20 bags 301:8 Bahr 34:23,24 34:24 Balaban 485:21 485:22,25 486:1 balance 176:13 488:12 bandwidth 248:10 bandwidths 13:2 Bangladesh 278:10 bank 56:16 bankroll 136:10 Banks 139:19 Bansal 160:8,9 160:11 Barbara 213:1,4 bare 281:21 barely 153:17 bark 411:17,19 Barkin 223:3,4 223:8,10 Barnett 228:13 228:14,16,17 barrage 30:2 barriers 58:21 176:19 base 165:22 180:3 183:3 478:14 494:25 based 15:25 47:20 61:18 78:18 86:5 100:24 113:22 124:25 125:25 127:20 147:24 148:1 171:18 172:20 179:15 182:1,10 192:20 194:5 198:23 199:18	228:19 229:1 238:15 272:11 277:16 285:11 289:13,20 290:20 309:16 322:17 329:2 333:25 350:15 393:6,18 394:15 421:14 453:12 463:11 467:1 473:15 baseline 47:23 396:16 491:20 basement 303:14 basic 89:7 115:3 167:7 241:12 292:7 429:16 basis 92:11 99:22 100:22 111:8 126:21 156:16 226:8 285:9 286:7 294:11 342:6 372:18 379:18 405:10 Bastrop 295:16 320:5 battery 43:19 294:23 334:11 341:6 448:17 battle 498:3 Bay 52:23 156:10 252:8 261:22 286:21 287:10 BBC 441:18 beach 435:19 beaches 322:17 322:18 436:3 bear 38:8 40:22 279:6 411:15 414:18 482:5 BEARDSLEY 1:13 bearing 146:15 256:16 482:3 bears 26:8 279:13 486:17	beat 83:4 beautiful 34:12 61:6 476:10 beauty 225:17 316:20 Bechard 131:1,2 131:3 Beck 464:12,14 464:18,21,24 465:1 Becky 319:3,4 becoming 91:23 95:12 105:11 110:21 128:22 141:7 146:25 266:15 269:20 271:16 290:1 303:14 310:3 363:23 369:24 443:8 476:15 481:23 Bedford 344:19 Bedoya 365:2,3 365:5,6,11,13 365:14 bedrock 175:23 198:4 215:20 294:9 bedside 292:2 beetles 411:19 befall 206:2 began 221:5 319:25 beginning 270:18,21 behalf 3:2 16:24 26:13 52:21 74:6 84:7 86:16 112:6 114:6 126:10 134:3 135:17 136:4 138:4 152:5 155:20 164:13 173:12 189:13 191:22 247:22 250:3 254:20 255:7 265:24 270:25 282:10 284:5
B				
B 49:12 B-Y-R-O-N 414:25 babies 129:20 264:16 419:1 420:22,23 baby 403:15 Bachelor's 185:1 back 5:15 9:22 18:23 19:25 21:19 35:23 36:10 45:13 51:11 72:17 73:3 83:12,14 83:17,17 92:7 93:14 94:16 103:7 105:18 114:8 120:14 133:3 153:11 168:14 179:1 182:19 186:4,4 202:13 204:10 204:17 216:20 223:15 225:16 226:11 230:8 233:2 237:6 238:13 243:15 246:11 265:11 265:12 269:22 270:10 272:20 273:11 285:13				

289:7 310:18	203:6 228:20	270:6 278:2	billion 28:15	biological 193:9
349:19 362:1	248:1 283:14	330:7 388:7	40:15 49:3	267:14 268:6
376:21 387:15	318:8 322:8	394:15 474:1	51:15 68:25	biologist 267:8
392:13 398:18	338:24 408:20	477:23	73:4 80:13	267:25
412:9 415:3,5	463:9 484:15	betrayal 337:4	85:9,11 123:1	bipartisan 236:4
417:21 421:16	493:21	482:1 499:9	123:2,3 137:2	359:7 398:9
423:22 447:11	benefited 104:1	betrays 76:11	140:2 162:1	407:5 435:10
469:4 470:4,7	331:2	better 56:19	168:22 191:8	Birdsong 14:10
478:14 486:2	benefiting 85:23	116:9,10	209:12,13,15	14:11 16:19,20
behavior 498:20	benefits 30:10	194:21 246:8	217:19,21,24	16:22
behest 489:15	40:15 49:3,6	262:10 274:19	221:19 233:3	birth 146:24
beholden 158:2	51:9 58:10,16	277:6 283:14	244:22 245:4,4	190:15,16,16
248:17	58:18 62:12	310:12 349:14	246:1 254:12	264:13 312:1
Beijing 280:21	86:1 101:14,22	354:13 390:17	258:3 259:6	418:25 420:23
beings 361:18	104:3 122:24	390:18 396:24	287:21 295:13	459:1 467:18
Bekah 468:24	123:2,13	396:25 428:4	308:19 320:15	467:18 468:13
469:2	136:25 137:3	434:22 442:10	334:11 340:24	births 33:19
believe 21:11	180:22 181:6	445:12 478:4	340:25 341:11	336:16 418:25
58:14 72:13	183:19 184:4	beyond 33:24	345:15 358:13	Biscayne 411:22
74:24 75:3	199:10 201:11	56:14 85:18	377:10 386:15	bit 34:1 104:21
81:10 104:13	209:13,14	136:22 178:13	423:3 430:23	133:18 215:4
109:7 116:7	251:13 278:18	216:6 221:21	431:6,24 436:2	255:2 260:15
179:6 219:7	283:13 340:24	229:17 271:25	455:25 460:9	276:24 280:7
246:7 339:23	341:1,2 342:12	342:4 358:4	464:4 470:25	338:9 430:10
350:3 362:15	354:7 358:10	359:3 468:8	477:12	438:8 462:7
392:20 394:5	386:6,13 420:2	487:12 494:6	billion-dollar	biting 55:21
447:18 466:10	426:5 462:13	biased 80:20	77:17 97:1	black 103:21
471:15 474:17	463:20 464:3	Bible 187:11	billionaire	140:15,16,18
490:8	481:15 491:17	188:4	179:21 180:5	142:20 147:25
believed 19:11	494:8	bidder 197:13	billions 20:18	148:3,5 149:2
believer 367:22	benign 278:3	bidding 69:2	45:8 51:9	149:12 165:17
believes 284:20	benzene 58:12	Biden 74:25	151:19 179:18	377:19 412:5
445:24 498:25	143:23	75:3	181:13,15	420:12
believing 360:15	Berenji 352:10	big 64:2 136:10	188:21 250:16	blame 76:12
bells 188:18	352:11,12	231:4 247:9	272:7 298:9	81:23
belongings	Berkeley 260:12	294:14 361:13	323:24 342:11	blanket 258:21
301:12	260:25 261:4	370:3 405:25	354:3 386:12	259:2,15
belongs 102:16	417:19	476:24	399:8 436:21	blanketed
188:1	Berkowitz 357:7	bigger 27:10	481:14	212:14 257:23
beloved 410:25	359:15	274:17 361:6	bills 35:10 36:6	blanketing 25:3
BEN 1:14	Berkowitz-Skl...	biggest 94:12	39:21 259:20	blankets 40:12
beneficent	359:17,20,23	117:24 195:17	263:6 296:3	82:6
187:17	359:24	196:5 424:18	366:11 478:1	blared 127:8
beneficial 274:9	Beryl 295:18	bill 1:12 2:22	binding 101:11	blatantly 99:7
276:7 278:4	beseech 96:8	3:11,14 6:5	200:15	252:19 287:22
330:17	best 25:20 60:14	10:2 83:23	biochemist 63:3	blends 58:21
benefit 10:24	110:11 194:14	477:20	biodiverse 269:6	59:21
51:23 96:2	195:20 206:5	Billings 44:13,14	biofuel 28:14	bless 28:25
122:22 199:13	218:7 231:12	44:15	57:17	Bliley 57:13,14

57:14	bombs 319:16	break 83:16,21	briefly 64:13	181:10 249:4
blind 401:8	Bonta 204:14,15	83:24 200:5	brighter 283:25	466:23 477:5
blinders 18:9	207:9,10,12,13	201:25 202:2,6	bring 18:23	buildings 84:24
blindingly	bookend 63:9	243:9 315:13	114:6 241:22	85:17 421:24
126:25	books 313:1	317:6,15	303:4 304:5	469:12
Bliss 259:24,25	330:8	407:18,23	340:23 406:5	built 39:25
260:3,5,9,10	boondoggles	430:17	452:6	84:16,20 85:6
blistering	279:4	breaking 55:15	bringing 27:18	85:20 87:19
355:25	boost 245:7	56:15 236:20	96:22 298:1	229:15 303:13
block 45:23	boosting 425:1	241:19 348:23	361:15 461:4	358:17
103:19	border 112:22	353:8 432:4	brings 221:19	bulge 61:1
blocking 90:17	bordering 320:1	breath 241:7,14	broad 126:1	Burack 452:8,9
418:9	borders 95:1	383:25	194:5	452:10
blood 287:24	born 104:4	breathe 38:13	broaden 58:8	burden 38:9
433:14	237:15 242:25	50:18 52:2	59:15	39:15 146:16
bloodstream	286:23 345:10	61:2,12 115:11	broadened	148:16,18
312:5 487:13	355:14 427:6	128:5 135:13	359:7	149:17 185:16
bloody 67:20	480:10 482:22	138:22 142:2	broader 87:16	200:23 212:8
Bloomberg	borne 103:5,13	153:10,23	341:18 468:2	283:10 378:21
196:16	108:16	160:5 163:2	broiling 53:25	380:11 385:8
blooms 253:14	Boston 171:7	167:22 177:14	broke 56:17	395:21 402:3
261:6 391:12	226:2,3 391:9	185:21 239:4,8	broken 113:14	468:12 480:11
blow 94:6	bottom 2:14	239:25 241:10	129:13 271:11	485:2 491:21
blowing 451:4	12:10,16 82:13	259:17 264:17	Brooklyn 55:4	burdened
blue 61:1 171:10	429:21	283:14 311:22	56:15	351:20
253:14 262:1	Boulevard 1:25	312:6 364:18	brother 227:20	burdens 34:8
board 24:14	boundaries	383:5 385:4,6	brother-in-law	163:5 217:5
37:7 226:1	82:23	387:22 389:5	227:21	256:16 337:3
291:12 415:4	bounty 187:25	391:8 397:9	brought 102:14	356:1
454:21 465:24	Bowen 119:11	421:8 427:20	196:19 347:16	Bureau 81:4
BOB 1:16	119:12,13	429:17,18	Brown 114:1,2,3	449:6
bodies 129:23	Bower-Bjorns...	445:18 482:1	140:18 254:18	bureaucratic
159:8 300:7	66:25 67:1,4	breathers 44:16	254:19,20	219:5
356:15	boy 22:6 366:3	breathing 28:7	255:5,7	burn 29:20
body 28:6 35:22	boys 29:7 89:1	34:11 50:15	Browne 158:7,8	82:14 139:13
41:3 99:23	89:16 145:19	56:1 64:7	158:9	294:17 366:14
292:15 316:4	345:6	157:2 166:10	Browning 19:4	412:5 480:22
389:13 397:16	brain 389:14	190:9,10,11	19:5,6	491:9
413:15 427:10	brainer 168:13	193:8 240:12	brunt 146:15	burned 30:1
467:1 486:11	brains 300:8	261:13 327:3	brush 326:12	257:20 258:1
486:20 487:8	441:19	353:25 427:15	buckled 153:12	320:6 399:12
493:17	brake 206:12	481:18	buddies 259:12	415:11 418:18
body's 312:4	BRAKORA	Breck 164:20	budge 297:24	443:5 454:4
bogs 299:5	1:15	165:3	budget 293:2	458:21
bold 236:1	Brandom 213:2	Brian 357:10	435:13	burning 15:14
boldly 165:6	213:3,4	bribed 297:15	build 41:9 245:9	92:16 142:12
BOLON 1:13	Bravo 205:15	brief 107:13	378:23	178:19 188:20
bomb 261:7	breadth 70:5	127:18 315:13	building 20:8	205:18 257:21
319:9	391:24	317:2	22:14 65:17	263:16 269:17

292:8,12 319:13 320:3 339:11,15 348:10 358:19 374:16 411:24 412:1 418:21 454:12 457:8 492:8 495:23 burnt 115:15 burrowing 262:2 Burton 276:18 276:19 277:1,7 bury 206:22 buses 41:13 427:23 455:21 busiest 168:9 business 10:14 10:15 85:19 89:2 95:8 114:23 194:17 247:4,25 248:25 249:6 249:10,14 250:1 251:14 275:22 296:9 321:12 322:6 360:17 405:13 450:7 477:3 businesses 42:17 95:9 124:11 125:19 131:15 131:19 139:8 217:25 221:14 222:19 247:7 247:12,13,14 247:21 248:11 248:12,16,21 251:17 282:21 283:8,19 320:7 321:22 322:8 371:11 399:14 405:14 406:8 445:23 454:12 484:24 485:13 busy 264:2 butterflies 262:1 button 12:9 142:18	buy 75:10 179:25 buyers 343:12 bypass 312:3 byproduct 284:21 Byron 273:8 274:1 291:10 291:11,11 414:22,23,25 <hr/> C <hr/> C 2:1 cabins 412:4 cacti 411:10 cadmium 494:20 CAFE 27:3,8,25 calculate 459:23 calculated 27:4 431:23 460:1 481:21 calibration 28:10 California 33:11 52:16 53:6 73:17 120:1 139:21 184:25 185:13,20 195:2 198:24 207:14,16,24 208:3,7 209:24 209:25 228:5 232:24 260:12 261:22,24 269:14 294:20 294:22 299:20 300:21 315:19 352:13,25 353:11 387:16 417:16,19 418:11 421:15 421:17,19 423:1 430:25 442:18 454:21 469:3,5,8 470:23 495:13 497:11 California's	208:9 Californians 470:20 call 12:19,24 13:10 56:5 59:19 63:8,17 69:8 104:5 118:16 158:1 167:19 199:21 204:22 207:5 216:23 272:22 273:6 278:1 298:15 323:1 333:4 377:24 391:15 409:11 421:22 488:10 called 11:24 12:2,3 46:4 77:13 109:17 110:7 117:3 203:25 204:7,8 207:6 306:13 323:16 332:12 332:15,16 360:1 397:21 410:2 447:3 469:10 478:12 478:19 calling 13:24 32:18 106:10 174:5 203:21 207:8 233:15 260:13 318:22 324:11 384:15 409:24 450:8 457:10 calls 70:17 278:11 308:3 327:2 camera 11:25 21:22 67:4 204:8 223:5 270:13 277:3 392:20 410:2 417:10 437:7 cameras 10:21 camp 22:12 358:8 391:7 campaign 246:2	259:7 410:5 447:11 495:25 Campaigns 344:21 Campbell 204:19 210:7,8 210:10 camping 165:25 294:4 476:18 camps 145:22 campus 433:25 Canada 25:1 33:12 82:12 239:1 333:6 369:23 370:2 469:3 498:7 Canadian 29:25 82:6 169:7 212:14 221:23 241:3 256:2 384:23 canary 404:17 canceled 56:9 261:11 348:18 canceling 118:3 460:7 cancer 46:7 68:13 72:21 115:12 143:17 156:15 157:1,3 157:4,5 159:13 224:10 234:23 237:10,11 264:13 357:12 375:18 377:12 420:14 487:12 cancer-causing 103:15 156:6 cancers 33:22 54:16 145:1 candidates 254:24 255:11 Canyon 34:25 205:17 232:20 412:3,6 442:24 Canyon's 412:2 cap 144:18 capacities 478:13	capacity 163:6 242:20 248:9 448:15 capital 108:10 124:12 162:23 201:1,8 330:12 Capitol 293:25 435:8 Capper 133:9,10 133:11 caps 342:3 captioning 2:11 2:16 10:25 203:7 255:3 267:19 296:14 318:9 387:6 408:21 414:20 485:19 captions 2:13 412:20 capture 255:4 267:20 280:7 295:2 296:15 365:10 387:6 485:20 captured 481:22 capturing 245:17 car 80:7 120:8 144:10 153:12 252:14 264:3 343:12 368:23 373:2,3 424:25 429:21 carbon 24:21 42:22 58:12 64:6 68:18 84:22 87:2 92:18 93:2 102:24 127:17 128:20 130:10 144:7,9,9 152:3 160:24 161:7,17,23 172:25 173:16 173:19 174:20 174:23 178:2,6 178:10,11,13 178:16 179:16
---	--	---	---	--

179:23 183:23 192:23 198:8 215:18,20 232:5 234:11 245:10 268:16 268:18 269:10 277:12 295:2 300:20 315:22 322:4 328:16 330:11 331:4 339:6 351:1 370:5 399:17 413:17 422:17 425:1 427:5 429:18,20 435:15 438:20 470:14 471:21 472:12 495:16 496:8 Carbon's 161:9 cardiovascular 135:8 168:1 190:14 198:19 227:6 316:13 415:15 420:9 468:4 care 24:16 25:16 32:22 33:1,23 36:6 64:23 71:20 95:20 102:17 116:6 155:1 159:14 163:2 173:13 176:21 177:4 177:17 190:14 191:5 194:17 213:22 239:6 239:12 241:8 283:4 306:2,12 321:11 363:8 367:19,20,23 369:7 375:17 378:9 393:3 402:19 419:15 421:22 426:23 439:19 447:9 467:15 469:10 469:21 474:20 483:7 485:3	cared 291:19 career 47:1 76:8 76:16 297:17 carefree 89:17 89:21 careful 194:5 carefully 337:24 caregiving 468:6 caring 152:23 291:17 375:15 378:3 485:6 Carolina 114:10 138:2,5 139:4 139:20 192:7 247:24 248:24 276:22 277:10 360:14 374:25 377:20 399:15 474:6 Carolinas 120:2 Caroline 135:24 136:1 Carolinians 402:20 carried 298:23 carriers 87:25 carry 19:16 163:4 246:3 355:25 carrying 144:6 337:3 cars 54:10 62:10 103:22 115:19 119:20 137:13 138:7 154:16 157:11 191:15 216:10 234:9 238:14 252:18 263:16 264:21 281:15 296:22 299:23 338:22 344:7,24 372:3 376:1 385:24 427:23 445:10 445:15 455:21 463:17 497:15 case 9:12 20:15 85:19 125:22 143:20 183:4	194:17 200:1,5 251:13 276:9 279:17 297:23 353:24 443:10 448:12 460:22 461:4 cases 103:4 161:20,20 348:23 458:18 458:19 483:11 Casey 252:1,5 cast 368:6 cat 57:6 catalyze 486:23 487:14 catalyzed 181:21 catastrophe 470:6 catastrophic 15:17 91:1 96:23 100:10 137:16 197:1 236:23 374:23 410:22 432:11 473:14 474:11 492:9 catastrophically 269:7 331:5 catch 241:7 categories 70:1 70:25 71:5 categorized 227:8 category 70:7 453:5 Catherine 304:10,11,17 Catron 412:17 412:22,23 413:2 caucus 435:10 caught 407:3 causal 193:4,6 193:13 causality 193:5 193:14,17 causation 65:24 cause 73:4 81:23 128:2,6,19	130:15 142:8 144:12 146:9 156:9 167:23 167:24 190:10 190:11 196:8 208:6 210:25 243:5 264:10 274:23 275:11 298:6 300:1 303:8 312:22 345:3 346:9 358:19 361:24 401:10 423:3,7 430:23 446:4 446:16 453:5 455:4,22,25 461:7 463:1 465:20 470:25 473:3 479:20 caused 15:17 17:25 25:1 56:7 87:7 91:1 148:10 168:11 168:22 171:19 173:19 221:24 226:13 227:22 258:2 290:18 302:22 306:15 307:2 316:2,11 316:23 322:12 326:21 345:16 348:10 374:15 377:9 391:2 400:18,19 415:23 416:14 416:20 453:3 457:7 460:3,19 479:15 causes 35:18 46:6,11 64:4 92:20 121:17 126:2 191:2 224:4 292:17 310:13 358:22 404:12 487:12 causing 54:12 86:8 131:16 139:13 140:1 187:15 220:18	226:14 231:22 232:17 237:12 244:20 290:11 290:14 351:5 366:5 383:24 389:25 411:2 453:10 479:8 Cavallini 26:18 26:19,19 CC 2:13 CDC 151:1 226:24 ceding 462:22 celebrate 46:1 celebrated 331:20 cells 234:21 Celsius 139:14 278:24 432:1 cement 294:18 ensor 291:2 cent 98:20 center 121:11 123:25 124:1 133:12 339:8 centers 104:16 404:10 central 192:16 196:12 295:19 353:6 471:13 484:10 cents 297:14 century 34:10 64:20 131:25 293:7 403:5 424:3 448:19 448:20 century's 358:3 CEO 123:24 182:23 307:13 398:9 489:11 CERAWeek 65:13 cerebral 227:7 Cerrito 417:16 certain 16:3 33:21 43:22 70:24 107:19 456:13
--	---	--	--	---

certainly 61:11	14:24 15:1	169:15 170:12	320:18 322:22	472:20 473:3
certainty 47:22	17:13,25 18:8	173:17 179:4,8	324:12 326:3	474:3,8,21
481:5	18:14,19 22:8	179:11,12	326:22 327:18	475:4,10 476:8
CERTIFICATE	23:25 24:21	183:4,6,13	329:6,10 330:8	477:9,11
502:1	29:15,15,18,19	184:10,13	331:11 333:13	478:22 481:20
certification	33:5,9 34:6	186:11 188:11	334:18 339:20	482:25 483:8
59:4 471:14	35:5,19 36:4	188:15,23,24	345:13 346:15	485:7 486:8,12
502:16	37:10,24 38:8	192:9,15	349:5 350:24	486:21 489:21
certified 24:15	38:11,16 44:20	193:11,16,24	351:1,4,12,17	493:18 494:11
37:7 226:1	46:12 50:20	194:2 195:15	351:21 357:21	495:4,25
certify 502:5	51:1,2 53:12	196:3,14	358:20,22	497:18 498:16
certifying	61:24 64:8	198:10 205:12	361:20 363:3,9	498:17,18
502:18	65:15,21,25	206:7,20,23	363:14,16,19	change-driven
CGF 84:6	66:3,16 67:15	207:2,22 208:8	363:25 366:5	122:11 198:16
chain 34:6 42:15	67:24 69:7	208:13 209:21	368:12 369:1,8	221:7 370:15
193:4,13 201:5	71:15 73:12	210:17,25	370:19 372:22	444:5 487:9
245:12 250:10	80:11 82:11	211:18,22,24	374:15,24	499:4
chains 250:25	85:5 86:7 89:9	211:25 212:6,8	377:4 379:8	changed 279:10
251:16	91:22 92:4,8	212:10,21,23	380:5,23 381:8	303:8 378:6
chair 78:15	92:10,14 94:7	213:20 217:9	382:4,9,20	394:4 420:15
109:11 177:25	96:21 98:1,4,6	218:18 220:17	390:13,23	476:10
282:6 291:12	98:20 99:5	221:6,21,24	391:19 396:24	changes 15:17
309:13 417:17	100:8 101:20	223:17 226:9	397:6,23	50:21 81:18
454:21	105:7 106:8	226:13 227:10	398:21 400:15	92:21 111:2
challenge 99:6	108:4,23 109:3	227:16 229:8	401:25 402:4	129:8 176:18
246:4 284:15	109:13 111:6	229:17 231:10	403:2,3 404:19	296:24 338:20
challenged	111:21 113:17	231:22 232:9	405:16 410:15	447:12 457:15
189:6 394:7	114:19 115:3	232:19 233:20	410:15,19,24	479:20
challenges 14:9	116:24 117:2	235:10,15	411:1 412:12	changing 22:8
19:18 83:11	119:4,18	238:19 240:21	413:12,22	63:20 107:24
88:12 132:8	121:23,24	243:4,19 244:1	415:9,25	111:16 115:2
147:19 180:9	122:3,7 124:15	244:19,22	416:20,25	118:23 167:21
198:20 263:2	124:23 125:20	253:4 258:5,9	417:1,24 418:2	217:8 220:22
288:4 467:24	125:23 126:1	263:2 266:5,14	419:15 421:21	289:24 290:10
challenging	132:17 133:17	271:6,16 272:8	422:3 424:10	391:13 392:1
397:10	133:22 134:16	272:10,15	424:18 426:1,9	393:1 432:20
Chamber 302:7	134:20 137:16	278:3 280:4,15	427:4 431:6	479:21
303:25	138:19 139:12	281:7,8 284:16	433:2 435:1,11	Channel 441:20
champion 71:20	140:11 141:12	284:19,21	437:16,18,22	chaos 41:6
367:20 406:13	142:10 145:24	287:8,12,14	439:17 440:9	123:19 222:17
chance 26:12	146:3,14 147:6	289:8 290:25	440:15,23	248:5 262:4
213:10 264:25	148:9,14,17	291:5,15 293:9	441:5,9,16,25	298:1,7 482:4
323:7 370:18	149:16 153:2	293:10,10	453:23 457:6,9	CHAPIN 1:17
399:20	156:4,24	300:22 302:7	457:10,16,20	chapter 35:1,1
chances 31:3	157:10,14,20	302:17,20	458:2,4,9,25	78:15,16
Chandler	158:17,24	303:7,24 304:1	459:4,11,20	102:13 138:5
373:24,25	159:10,22	305:19 306:4	461:7 463:9	160:14 177:25
374:1	161:1 163:22	306:16 307:2	468:2 469:9,16	293:23 316:6,6
change 12:6	167:18,23	308:3 315:24	471:17 472:18	charge 99:3

465:25	chest 239:5	190:12,21	chilly 347:17	385:10 486:2
charged 20:7	Chicago 37:7,16	191:4 196:4,5	China 64:21	church 71:23
95:22 328:4	419:17 420:15	196:11 213:10	83:4 297:2,8	72:2 187:3,9
372:5	Chief 200:6	214:2 222:2	308:12 462:19	188:23 189:7
charges 95:20	child 22:19	234:25 237:14	Chipman	227:18 315:17
461:4	25:11,22 30:9	241:21 256:14	313:12,13,15	315:17 377:20
charging 87:8	37:14 51:19	264:14,17	choice 75:9	378:7 417:19
314:17 341:12	61:10,11 151:3	265:25 266:1	315:4 343:8,17	Church's 367:19
425:3	163:1 240:10	266:16 271:1,2	343:23 344:13	churches 378:13
Charleston	241:13 283:8	271:18 272:1	choices 86:24	chyron 127:8
247:23	292:3,3 298:24	281:6 282:14	123:10 192:19	cicadas 114:15
Charmley 1:12	403:6 482:1	282:23 283:6	344:4,12	cigarette 46:6
2:22 3:11 6:6,8	child's 22:21	283:14 292:18	370:21 376:8	Cindy 337:13,16
83:19 111:23	389:18	293:14,15	choked 26:5	CIPL 315:20,20
142:17 202:1	childhood 23:12	299:3 300:3,6	choking 40:13	circuit 397:21
317:5 407:19	156:6,12	312:7 313:8	185:17 188:20	circumstances
408:13 499:15	190:19 242:25	326:6 328:10	484:5	69:24
chat 12:16 228:9	243:17 348:16	339:22 345:8	choose 22:20	citation 193:20
242:13 332:14	349:1 353:1	356:6,9,13,23	45:11 179:6	citations 193:21
446:23,25	childhoods	360:24 361:16	326:3 343:11	cited 79:20
Chattanooga	287:7	366:19,22	343:13 370:13	285:3,24
448:10	children 17:9,15	381:14 385:9	381:12 426:10	297:20 442:6
cheaper 36:8	17:18 21:10,12	388:4 389:16	chooses 498:13	462:4
90:17 259:20	23:1 24:7	391:6 394:23	choosing 287:22	cites 372:16
380:23	25:10 26:5,9	397:8 401:12	336:23 490:12	431:15
cheapest 83:3	26:12,13 29:10	401:12 404:21	chorus 107:16	cities 25:3 53:8
check 89:15	29:14 31:11,13	419:1 423:12	chosen 24:22	218:6 229:7
242:8 249:16	37:18,24,25	427:4,6,7	77:12 81:12	346:6 406:13
332:10 355:1	38:7,9 50:14	447:16,21	100:21 111:9	citing 397:21
362:15 409:4	51:24 54:2	451:5 455:19	344:1	416:7
412:21 438:11	60:24 62:18	458:24 468:18	Chris 57:13,14	citizen 71:22
Checking	67:17,18 72:11	474:24 479:1	65:11 297:10	81:6 103:25
204:14 359:15	89:13 95:17	483:23,24	Christian 71:22	173:10 382:1
362:9 451:22	102:13,14,19	484:4,12	72:4 236:6	475:24
checks 433:5	103:16,24	491:22	376:20	citizens 20:23
chemical 143:13	105:13,23	children's 17:4	Christians	66:2,9 115:8
143:24 144:1	106:13 115:21	20:11,12 30:5	102:17 376:22	156:21 158:3
172:23 388:23	116:6 120:6	31:6,12,18	Christy 461:11	175:3 219:2
chemicals	129:21 132:21	38:23 39:1	chronic 22:22	283:22 284:1
143:20 144:4	132:24 137:22	61:16 90:1	33:24 40:20	315:9 324:22
chemistry	138:13 140:24	106:3 139:2	72:23 93:9	378:17 380:17
388:11	141:24 142:25	151:23,24	149:7 160:4	382:10,17
cherished	145:6 146:1,1	152:7 153:15	163:15 168:1	384:10 396:3
257:22	146:11,16	190:24 219:10	172:9 176:11	447:21
cherries 221:2	147:4 150:12	272:5 282:22	176:23 189:21	city 37:19 97:6
cherry-picked	152:1,1,5	283:13 336:21	190:21 214:10	129:4 134:1
79:2 289:21	154:4 160:3	357:1 389:23	214:25 215:3	156:5 162:13
Chesapeake	164:14 167:11	432:19 467:11	234:22 306:8	162:19 170:2
116:19	183:16 190:6	479:24	325:19 358:15	256:5 265:24

266:1 270:24	36:8 44:25	369:16 372:4	92:16 100:4	15:1,17 17:12
271:1 326:8	45:20 46:12	378:23 385:6	101:2,11 105:6	17:13,25 18:8
345:10 391:2	47:6 61:21	386:25 388:6	105:6 110:1,8	18:14,16,19,23
405:15,19	67:6 68:21	395:14,14,25	110:17 111:17	20:10,18 21:1
406:11 442:20	73:3 76:9	396:5,11	130:12 140:7	21:8 22:8 23:7
461:9	90:18 91:3	398:10,10	142:10 157:20	23:25 24:20
civil 194:12	98:9 99:8	399:20,20	164:5 165:11	25:18,22 26:10
490:16	101:2,9 107:9	406:22 407:2	165:18 184:13	29:15,18,18
civilization 21:4	109:10,15,22	407:11 410:6	198:6 200:8	30:16,23 32:3
179:8	109:25 121:15	413:20 420:4	211:10 212:10	33:5,9 34:6
claim 195:19	122:18 125:5,8	421:7 422:16	218:13 220:7	35:5,19 36:2,3
324:8 331:23	128:8,15,17	423:2 424:6,24	232:6 242:1	36:12,14,18
438:5,17	130:22 131:4	424:25 425:11	252:23 260:18	37:10,23 38:8
484:14 493:19	134:8 136:1,7	425:24 426:8	266:20 267:3	38:11,16 39:13
493:22	136:7,15	432:17 434:17	281:10 292:7	40:5 44:20
claimed 263:5	137:13 138:3,7	440:21 445:4	297:6 301:17	46:12 50:20,23
272:6 334:5	138:7 140:19	445:10,14	311:20 322:2	51:1,2 52:19
377:10 431:3	140:25 143:6	446:9,16	331:24 335:17	53:12 60:11
438:3,15 460:7	145:16 150:9	449:10 452:22	346:3,13,24	61:24,25 62:5
claiming 157:14	152:6 156:2	455:24 460:13	354:5 357:21	63:21 64:8
425:25 432:6	159:4 166:6,10	462:1 470:13	363:19 370:8	65:15,21,25
claims 47:18	170:13 173:21	470:16,24	384:21 397:12	66:3,15 67:15
48:11 49:11	177:12 180:16	471:22 473:5	405:20 425:22	67:23 68:18
86:4 99:21	181:9 186:5	473:19 477:18	433:20 450:24	69:7 71:15
123:7 211:20	200:11 211:16	480:6 485:14	453:13 468:15	72:16 73:5,12
212:7 218:17	213:7,7 216:3	487:25 490:5	468:16 477:4	76:14 77:5,13
222:12 285:13	216:17,18	496:3	479:19 495:23	77:14,18,19,21
287:25 353:13	222:21 228:20	cleaner 24:5	clearer 183:5	78:2,16 82:11
401:4	230:13,24	41:10 43:1	211:23 352:21	85:5,8,10 86:7
Clair 255:20	233:2 237:18	85:22 88:8	clearly 10:24	89:9,13 91:22
Clairton 68:8,10	238:10 240:12	101:18 120:8	14:1 44:24	92:4,8,10,14
Clara 52:15	247:16 253:2	160:5 201:12	159:19 178:21	92:16,21 94:7
337:17	257:1,5 259:17	232:1,7 248:15	203:5 214:7	96:21 97:1,9
clarify 324:24	261:14 264:17	283:25 296:7	219:22 253:13	97:20,23 98:1
clarifying 6:24	264:21,22	297:5 312:17	284:14 318:7	98:4,6,12,20
13:13	268:14 272:1	349:14 380:24	318:24 372:5	98:22 99:5,23
clarity 219:3	282:12 283:20	420:1 428:3	373:6 404:2	100:5,8,17,21
Clark 444:23	286:16 289:18	445:16,24	408:19 413:16	101:3,14,16,20
445:1	299:20,23	463:10,17	443:22 465:25	105:6 106:8,17
class 27:6 180:5	305:8,15	cleanest 83:3	471:15 482:5	107:24 108:4
465:7	306:21 308:13	cleaning 445:17	498:12	108:23 109:2
classes 481:2	310:21 313:23	cleanup 228:3	clergy 15:11	109:13 111:2,2
classroom	314:15,15	clear 39:25	click 2:13,15	111:6,14,15,21
327:20	335:11 337:21	41:12 43:17	11:22 12:11,13	113:17 115:1
claw 436:20	343:7 344:21	44:23 46:11	clicking 12:8	116:20,24
clay 144:14	344:24 347:5	58:19 62:7	cliff 206:11	117:2,5,17,25
clean 4:10 16:25	353:21 355:11	63:11,11 82:5	Clifford 392:16	118:15,23
19:6 22:5 23:5	356:17 359:25	85:19 86:7	392:17,18,22	119:4,18
27:17 29:6	360:6 365:7,15	90:3 91:21	climate 14:24	121:23,24

122:3,7,11	210:1,17,25	299:25 300:7	391:19 393:1	478:12,19,22
123:19 124:15	211:17,21,24	300:22,25	395:22 396:7	479:20 480:11
124:23 125:19	211:25 212:5,8	301:16,20	396:19,24	480:24 481:8
126:1 127:14	212:10,20,23	302:17,18,20	397:5,11,13,18	481:15 482:4,9
127:16 129:3	213:8,20	303:7 304:1	397:23 398:18	482:25 483:8
132:17,18,21	216:16,20	305:11,19	398:21 399:7	485:7 486:8,12
133:3,6,12,17	217:2,8,22	306:3,15,21,23	400:14 401:25	486:18,21
133:22 134:15	218:18,23	307:2,20 308:3	402:4 403:2,3	487:8 488:6,7
134:16,19,20	219:1 220:17	309:1,3,14	404:19 405:16	489:21 493:13
135:14 137:3	221:6,7,21,24	315:24 316:7	410:15,15,19	493:18,24
137:16 138:12	222:17 223:17	319:8 320:15	410:24 411:1	494:11 495:4
138:19 139:12	223:23 226:9	320:17 322:21	411:13 412:12	495:24 496:10
140:11 141:1,7	226:12 227:10	324:11 326:3	413:12,22	496:15,21
141:12 142:10	227:16,18	326:22 328:5,7	414:1,4 415:4	497:18,23
142:15,24	228:18 229:8	329:6 330:8	415:9,25 416:4	498:16,18,22
143:12 146:3	229:17 230:15	331:10 332:6	416:6,19,25	499:4
146:14,18,25	231:10,22	332:24 333:13	417:1,17,18,20	Climate's
147:6 148:9,9	232:2,9,14,19	334:18 335:1	417:24 418:2	478:18
148:14,16,22	233:4,6,9,20	335:11,13,22	419:15 421:21	climate-driven
149:16,24	235:10,11,15	336:6 339:9,20	422:3 423:4	358:6 382:25
153:2 155:25	235:24 236:13	339:21 341:1	424:9,18 426:1	climate-fueled
156:4,23	236:23 237:2	344:25 345:13	426:9 427:4	469:25
157:10,14,20	237:23 238:19	345:22,24	431:6 432:20	climate.gov
158:17,24	240:21 243:4	346:3,15,17	433:2 435:1,11	328:24
159:10,21	243:18 244:1	347:9 348:13	435:14,18	Climatology
161:1 162:2	244:19,21,23	349:5,7,12	437:18,23	277:18
163:11,16,22	246:5 248:18	350:2,18,21,23	438:24 439:3	climbing 441:12
167:18,21,23	252:22 253:4	350:25 351:4,9	440:9,15,23	cling 448:22
169:15 170:2	257:12 258:5,9	351:12,17,21	441:5,9,16,21	clinic 363:22
170:12,21	262:4,24 263:2	353:3 354:7,16	441:25 443:18	483:8
171:10,13	263:21 264:19	356:10 357:14	444:2,5 447:11	clinical 152:18
173:17 177:6	265:25 266:5	357:21 358:20	453:23 455:8	171:9 363:1
179:4,8,11,12	266:14 271:1,5	358:22 359:6	456:1 457:6,10	clinicians 153:1
183:4,6,13	271:16 272:8	360:8,15,20	457:16,20	155:5 332:23
184:10,13	272:10,15	361:20 362:4	458:2,4,8,15	357:14
185:8,15	277:17 278:2,3	363:3,4,9,14	458:25 459:11	clinics 306:5
186:10 188:11	280:3,14 284:9	363:16,19,25	459:12,13,13	clock 354:16
188:15,23,24	284:13,16,19	365:19 366:5	459:14,20	clocked 443:11
192:9 193:11	284:20 285:4	368:10,11	460:18,24	close 54:17 70:8
193:16,23,24	286:4,19 287:8	369:1 370:15	461:7,14 463:8	70:19 154:1
194:2 195:14	287:12,14,21	370:19 372:10	466:24 467:9	227:17,22
196:3,7,12,14	288:8,16 289:8	372:15,22	468:2 469:9,16	301:11 327:1
196:17 197:15	289:15,24	374:1,4,12,15	470:5,6 471:1	346:1 405:16
198:9,16 200:7	290:10,16,24	374:23 375:24	471:17,19	412:7 418:19
201:2 205:11	290:25 291:2,5	377:4 378:12	472:18,20	418:19 419:3
206:7,8,20,23	291:13,15	379:8 380:3,22	473:3 474:3,8	500:14
207:2,21,22	292:7 293:4	381:8 382:4,9	474:21 475:4	closed 2:13,15
208:6,8,13,14	295:11 296:2	382:20 390:13	475:10,16	10:25 81:14
209:5,21,23	296:10 298:13	390:23 391:13	476:7 477:9,11	203:6 275:20

318:8 391:12	494:12,15	377:2	combusting	19:3 21:16
408:20	495:2,5	collectively	143:10	24:11 26:18
closely 272:19	CO2coalition....	57:18 76:21	combustion	29:2 31:23
closer 103:6	332:7	77:8 397:1	182:12 234:12	34:23 37:4
277:1,3 475:5	coal 36:8 73:7	college 17:21,22	245:11 341:22	39:4 41:23
475:6	104:2 142:12	91:14 92:7	343:21 457:14	46:15 47:4
closes 7:11	154:1 162:3	363:1 419:12	457:21 487:3	49:25 52:10
closest 433:24	294:17 404:17	465:6	come 21:19 58:3	54:25 57:12
closing 13:4	449:7,11	Collins 419:9,10	70:23 73:2	60:1 62:20
46:25 380:7	coalition 274:2	color 38:1 39:18	76:15 81:5	64:25 66:24
closings 244:20	277:12 330:6,9	54:4 73:1	83:12,14,17,17	69:18 71:17
clothes 443:2	330:15 357:16	146:15 149:5	102:15 103:3	74:4 76:6
cloud 165:13,18	421:18 434:23	149:13 325:2,3	104:4 113:19	78:10 80:24
clouds 275:1	469:6	325:4 351:15	129:10 152:25	81:9 83:10
Club 55:10	coast 25:3 84:5	377:14 385:11	159:6 169:13	86:13 88:18
178:1 279:24	168:9 224:24	468:11	182:19 186:1	91:8 93:19
293:23	443:6 474:6	Coloradan	199:11 204:17	96:11 99:11
Club's 34:25	coastal 236:15	475:15	223:5 263:6	102:4,8 104:20
co-chair 226:3	298:7 411:4	Coloradans	265:12 292:6	106:21 112:9
co-pollutants	435:18 436:9	151:2 492:6	357:8,8 376:7	114:1 116:15
370:25	coastline 169:23	Colorado 62:24	392:17 402:9	119:11 121:8
co-president	269:4	150:10,17	410:1 434:12	123:22 126:8
369:15	code 28:19	151:17 152:6	437:7 448:16	130:25 133:9
CO2 26:21 27:2	171:10 476:25	206:4 327:16	448:18,19	135:23 137:24
27:8,12,21,22	codes 356:8	382:1,11,22	465:20 486:15	140:15 143:4
28:3,6,9,12,15	coffers 20:19	383:17 399:10	comeback 5:8	145:9 147:16
28:24 63:14	cofounder 355:9	412:7 414:10	83:2,7	150:2 152:12
64:5,11 65:18	434:22	418:14 452:10	comes 70:19	155:11 158:7
65:22,25 66:4	cognitive 31:10	452:14,16	84:23 149:16	160:7 162:11
79:24 80:8	coho 261:23	453:23,25	156:18 264:6	164:20 166:14
144:12 174:25	coincides 118:7	454:2,3,14	283:3,5 311:17	171:3 173:4
201:12 232:25	coke 68:8 490:7	465:13 476:1	448:3 475:3	175:6 177:20
274:2,8,9,11	cold 117:11	489:9 491:3,4	comfortable	180:8 182:17
274:12,16,22	133:19 341:4	491:8	172:19	182:19 184:17
274:23 275:6	347:20	Colorado's	coming 11:18	186:22 189:11
275:10,21	coldest 287:11	454:8	25:25 28:22	192:2 194:24
276:1,4,6,7,8	collaborate 44:9	Columbus	90:18 127:16	197:19 200:1
277:11,23	collapse 405:22	367:19	133:24 159:15	201:23 265:7,9
278:3,14,15,15	405:25	columns 286:1	200:5 219:21	291:16 373:9
278:20 279:8	colleague 7:25	combat 71:14	234:9 266:20	404:25 412:25
292:9 328:21	231:23 410:7	435:19	364:12 369:23	426:13 428:8
328:23 330:5,9	colleagues 3:18	combating	405:1 458:13	430:3 432:14
330:15,21	162:5 172:17	168:14 209:25	475:5 476:6	434:20 437:4,8
331:8,15,19	310:18 391:3	combination	command	473:11 474:15
332:3,4 338:23	458:12 500:2,6	81:25 275:1	101:11 369:9	commenter 19:3
339:12,16	collect 478:20	280:22 448:17	commanded	21:16 34:23
393:20 416:21	collected 478:22	452:24	367:23 369:7	37:4 39:4
416:21 493:21	collective 136:12	combined 28:5	comment 5:25	44:13 47:4
493:25 494:8	272:20 357:2	112:23 232:4	7:11 16:18	49:25 52:10

54:25 57:12	137:18 150:7	439:23 442:13	396:9	236:22 237:22
60:1 62:20	175:17 203:16	444:20 446:22	commonly 79:6	256:16,17
64:25 66:24	207:4 210:6	450:1 451:22	commonsense	257:2,10 281:6
69:18 71:17	213:1 214:24	454:18 456:20	45:2	296:7 301:2
74:4 76:6	215:10 219:14	459:7 461:18	Commonwealth	306:4 311:5
78:10 80:24	223:3 228:8	464:10,12	210:11 212:12	312:10 313:24
83:10,13 86:13	230:22 233:12	466:13 468:24	Commonweal...	323:18 336:2,5
91:8 93:19	235:21 238:4	473:9 475:13	210:12	345:4 349:15
96:11 99:11	240:5 242:7	478:7 480:2	communicate	351:16 354:9
102:4 104:20	244:4,18	482:16 485:17	129:25	354:21 355:19
104:22,22	246:22 249:16	485:20 488:19	communicating	356:4 358:23
106:21 112:9	252:1 254:18	490:23 493:1	272:11	360:25 365:21
114:1 116:15	255:4 257:14	495:9 497:4	communicator	374:6 376:7
119:11 121:8	259:24 262:13	499:11 500:21	267:9 268:1	378:20 379:10
123:22 126:8	267:20 270:9	Commerce	communions	380:12 384:10
128:12 130:25	272:25 273:22	107:7 109:12	376:20	385:11,11
133:9 135:24	276:18 279:20	commercial	communities	395:25 397:3
137:24 140:15	280:8 282:4	18:20	24:1,6 36:12	413:9 419:3,16
143:4 145:9	284:3,8 286:10	commercialized	37:25 38:1	421:21 422:9
147:16 150:2	288:23 291:10	277:19	39:16,17,18	424:20 427:2
152:12 155:11	293:19 296:13	commercializi...	53:2 54:1,4,19	427:14 428:6
158:7 160:7	296:15,17	180:18	69:4 73:21,25	432:7 434:5
162:11 164:20	299:13 302:2	Commission	84:20 90:9	468:7,12 469:9
166:14 171:3	304:10 307:9	294:1,2	96:22 101:18	470:1,8 480:8
173:4 175:6	309:10 311:7	commit 226:12	105:19 106:4	480:10 483:5
177:20 180:8	313:11 315:11	384:7	106:15 112:22	483:20 485:11
182:19 184:17	317:2 318:17	commitment	113:8 114:25	485:13 491:15
186:22 189:11	320:25 323:1	71:14 74:1	115:5 117:22	491:23 496:13
192:2 194:24	325:10 327:9	272:21 426:8	118:4 119:3	496:18
197:19 200:1	329:22 332:9	463:22	120:13 121:5	community
426:13 428:8	335:5 337:7	committed 5:11	130:17 131:19	71:23 113:23
430:3 432:14	340:9 342:15	72:5 182:14	132:3 133:20	118:14 119:23
434:20	344:17 347:2	190:20 209:25	143:22 146:13	131:13 135:18
commenters	349:17 352:9	236:1,7 272:1	146:15 147:4	148:2 155:21
46:23 83:18	354:24 357:6	288:10 334:21	148:19 149:5	159:12 164:9
88:19	359:13,15	355:11 463:16	149:13,20	185:13 191:18
commenting	362:9 365:2,10	committee 156:4	151:4,19,21	199:2,3 216:24
167:1 262:19	367:16 369:13	277:11 282:7	156:18 158:4	251:14 265:2
421:16 454:24	369:19 371:20	417:18,20	158:19,23	280:19 289:4
469:4	373:24 376:14	committees	159:3,7 161:13	313:17 325:3
comments 5:18	379:1 381:21	388:7	163:6 167:20	326:16 335:24
5:20,24 6:12	384:13 387:4,7	common 35:20	170:14 173:13	355:10,22
6:23 7:4,5,10	388:12 390:6	43:6 81:19	184:5 185:6	356:12,23
7:13 9:15	392:16 395:4	95:12 125:18	186:6,11	360:1 364:24
11:12 13:19	398:5 400:5	146:25 222:12	194:10 199:12	377:21 384:22
45:6 46:18,24	402:14 407:15	236:4 239:13	205:10 210:16	392:13 415:20
47:14 74:13	409:19 412:17	258:6 264:23	212:11,16	432:17 444:10
76:2 78:18	414:18 417:7	268:15 278:9	217:2 218:22	447:16 448:8
107:14 126:3	419:9 421:12	333:23 369:24	220:25 229:20	463:15 467:15

469:18 470:21 479:16 482:3 community-b... 194:1 commute 84:17 companies 28:21 143:21 308:18 341:10 398:15 446:6 460:5 474:23 498:4 company 26:20 compared 49:6 96:25 234:16 275:8,17 477:13 comparison 70:14 347:25 compassion 21:9 compel 401:16 compelled 440:19 490:2 compendium 127:18 487:7 compensate 279:2 Compensation 353:13 compete 182:9 449:6 478:3 competed 280:21 competence 285:17 competing 230:12 competitive 19:21 56:22 254:7 308:17 354:6 competitiveness 123:17 181:23 182:7 201:8 297:7 463:19 competitors 194:20 308:12 complaints 429:12 complete 46:24	80:19 completely 82:21 228:1 322:13 412:7 469:20 477:8 completion 436:6 complex 176:24 compliance 49:18 123:10 248:6 341:21 354:10 490:5 492:1 complicated 91:19 complication 403:21 complications 174:10 467:19 468:4 comply 45:11,12 components 268:14 compound 256:18,19 compounded 360:22 compounding 191:6 compounds 70:23 161:12 183:22 487:2,4 comprehensive 78:25 393:7 compromise 31:5 compromised 30:13 compromises 31:11 computer 19:16 273:12,20 331:6 355:1 409:16 conceal 137:9 concedes 127:23 concentrated 148:19 concentration	65:19,22 275:7 275:18 276:3 294:15 concentrations 275:13,14,19 275:21 276:4,9 290:2 328:21 328:23 concept 118:12 229:5 concern 24:18 37:11 187:13 303:11 374:4 419:17 concerned 29:8 30:24 32:8,15 35:4 47:7 64:9 89:12 102:11 110:23 118:5 138:13 154:9 156:7 173:10 173:20 185:7 213:17 237:20 300:4 333:1 334:8 384:4 392:24 398:20 421:20 424:16 447:15,17 457:20 469:8 concerning 311:1 concerns 14:24 119:17 121:25 167:2 341:5 357:18 441:17 484:4 concert 56:6 347:11 conclude 177:18 199:17 concluded 124:24 175:22 210:24 457:7 500:20 501:4 concludes 148:8 223:16 226:7 464:7 conclusion 44:25 52:5	79:3 101:25 152:25 215:17 251:19 276:6 278:7 332:4 368:3 384:21 442:7 conclusions 290:21 conclusive 222:15 282:18 conclusively 243:4 concocted 55:8 concrete 144:14 144:18 294:18 concurrently 226:23 concurs 92:13 condemn 57:9 66:20 condemning 130:11 condition 22:23 32:17 224:10 conditioned 225:7 conditioner 420:16 conditioning 22:15 23:22 90:13,14 225:8 261:17 263:9 336:11 366:10 383:13 483:3 483:13 conditions 23:2 29:19 33:24 43:3 50:10 54:3 55:19 89:22,25 93:9 105:14 138:23 141:17 148:2 149:7,8 159:11 159:21 160:4 166:1 168:2,4 169:19 172:18 175:13 176:7 176:14 189:21 190:23 196:7	206:6 222:4 225:5,13 236:19 243:6 250:13 253:19 263:15 346:4 356:15 383:2 383:16 385:10 396:10 397:9 411:5 415:15 415:18 433:4 486:24 491:14 494:1,2 498:5 conduct 457:25 conducted 7:19 108:7 463:13 487:24 conducting 7:18 388:2 confident 101:22 425:16 488:7 confidential 10:14 confidently 108:11 confirm 135:6 301:19 355:2 374:15 confirmed 40:24 101:6 274:20 290:23 433:14 confirming 202:5 conflict 9:12 308:4 conflicts 424:4 confront 98:6 confusion 380:16 congregation 377:22 congregations 315:21 Congress 43:16 59:6,20 68:21 97:13 101:5 109:11 110:14 125:12 323:14 372:5,7 394:11
--	---	--	--	--

396:14,18 425:13 436:11 436:14 472:7,9 Congress's 70:2 99:2 congressional 107:6 109:9 436:13 congressionally 50:22 235:11 Congressman 106:22,23 107:2,4 112:1 conjunction 5:5 connect 84:25 connected 12:1 52:19 273:19 Connecticut 91:13 93:8 94:3,18,21 95:3,15,19 96:9 99:15 100:7 connection 12:23 175:2 202:8 connections 13:2 117:19 268:10 317:12 407:25 connectivity 270:14 consciousness 153:14 consecutive 129:14 385:1 consensus 61:22 86:3,7 92:3 97:17 109:1 111:12 126:1 134:14 176:4 183:13 198:7 200:16 220:11 277:23,25 284:13,16 287:16 291:7 331:24,24 332:1,2 350:23 358:17 363:13	368:9 377:6 393:11 424:3 459:20 494:10 consensus-dri... 40:1 consequence 108:23 159:9 consequences 25:12 32:10 38:9 40:10 45:14 56:10 84:19 107:25 111:3 122:3 124:16 146:14 149:14 167:15 191:17 215:24 224:21 326:2 333:24 353:14 361:23 364:10 388:17 481:19 consequential 4:24 231:20 conservation 177:25 230:25 252:7 254:21 255:8 268:8 293:22 395:12 410:7 Conservative 66:12 consider 5:19 10:14 57:21 58:23 59:6 69:23 70:2 71:4 87:6 98:22 99:4 101:14 104:10 127:10 133:3 182:2,4,8 192:18 206:19 212:7 238:1 301:15 341:8 373:20 388:7 487:23 488:9 498:14 considerable 58:10 consideration 59:23 121:6	126:5 171:1 341:16 492:24 considered 174:21 350:13 considering 5:23 94:5 245:12 430:24 considers 48:17 437:22 consistent 49:1 70:1 177:9 350:24 373:21 380:14 467:8 consistently 50:25 98:3 103:21 121:24 200:20 235:13 consists 79:7 consortium 32:3 171:10 constant 178:10 222:17 443:8 constantly 264:4 287:4 constituents 112:21 constitute 173:1 Constitution 490:19 constraints 350:6 construction 85:6 250:17 326:7 353:7 consultant 304:19 consumed 84:23 consumer 49:13 57:25 75:9 87:7 122:24 181:5 209:16 321:21 334:13 338:20 343:8 343:16,23 373:6 446:9 463:20 consumers 45:8 58:10 87:25 96:3 113:5	122:22 123:10 123:16 180:22 250:23 251:18 254:5 295:25 334:6 343:25 344:3,12 386:16 424:24 431:21 463:9 consumption 339:10 contact 2:17 9:18 12:18 279:16 contain 498:9 contains 125:3 contaminants 388:22 contaminate 489:18 contaminated 38:17 contempt 78:3 contends 128:1 472:14 content 174:20 context 70:4 continually 96:2 163:20 288:4 455:15 continue 31:15 35:7 43:7 51:12 56:23 58:1 77:3 100:15 104:14 118:17,25 120:3 129:9 173:14 180:3 181:7 202:20 203:1 206:4 213:14 217:8 221:6 224:3 233:6 237:2 270:17 272:25 273:22 288:3 297:25 305:1,4 306:24 310:3 317:23 318:3 327:25 339:20 361:17 368:24	374:12 381:11 384:6 397:12 408:12,15 409:4 422:16 423:16 428:2 433:23 434:5 452:19 456:10 470:13 496:25 498:21 continued 36:7 112:24 118:18 303:4 322:4 339:6 383:6 389:21 continues 73:12 110:8 139:12 182:5 205:17 209:22 305:12 310:9 477:14 491:9 continuing 44:9 228:4 continuous 118:2 continuously 356:4 contract 229:4 contractor 3:20 8:6 contradict 401:6 contradicted 372:23 contradicts 136:17 386:22 contrary 97:22 101:11 123:7 124:7,8 274:7 contrast 170:18 278:20 284:22 contravene 161:3 contravention 98:7 contribute 31:17 54:11 61:20 88:6 124:23 138:11,20 186:10 198:9 211:24 234:22
--	--	--	--	--

251:7 275:2 329:12 351:19 386:1 401:2 411:11 453:6 453:18 480:23 480:24 contributed 20:22 21:6 268:17 433:2 contributes 121:17 150:25 227:5 235:4 368:11 420:8 contributing 70:11 80:3 131:22 198:20 338:3,13 contribution 70:15 71:6 259:7 303:9 416:24 contributions 109:14 199:15 445:19 contributor 20:5 39:14 62:8 70:13 234:7 263:19 424:18 459:10 471:17 contributors 401:25 control 4:17 31:3 47:19 99:3 180:18 216:8 415:19 457:17 473:4 502:17 controlled 428:16 controlling 176:14 controls 9:12 180:13 convenience 468:19 Convention 463:8 converged 486:11	converging 393:19 conversation 371:15 convince 474:22 convinced 115:9 Cook 37:16 Cooke 47:4,5,5 cooking 259:11 cool 385:13 coolers 367:6 cooling 35:10 129:23 356:17 cooperation 8:9 11:10 203:14 318:15 409:2 cooperative 42:18 Coordinator 140:19 COPD 54:13 138:18 174:9 198:21 487:10 Copernican 46:2 copollutants 161:10 163:12 386:5 coral 119:14 411:22 Cordaro 78:11 78:12,13 core 5:9 136:18 161:4 339:3,18 380:19 439:14 478:19 corn 58:7 Cornell 81:21 459:9 corner 128:25 355:16 478:23 cornerstone 106:7 257:1 corporate 57:7 180:4 187:5 corporations 36:23 145:4 173:24 248:9 Corps 307:12	435:21 correct 12:12 16:10 387:13 502:6 correctly 419:19 correlated 404:8 corresponding 217:5 corridors 480:9 corrupt 57:5 cost 40:22 42:25 44:2,3 58:15 85:11 88:3 90:9 91:4 97:1 104:4 154:25 179:18 180:21 181:18 185:23 191:8 196:17 200:22 201:7 212:5 217:25 218:18 223:24 223:25 225:18 245:3 263:6,23 272:10 282:20 287:23 290:25 299:7 305:22 310:2,3 323:23 328:15 334:5,9 334:24 341:25 342:1 344:4 381:13 399:7 405:23 431:14 431:20 462:12 464:2 482:12 488:3 Costello 488:19 488:20 costing 36:4 82:9 98:20 139:24 151:19 250:16 272:8 287:15 costly 74:25 82:24 86:25 157:3,7 177:16 244:22 306:11 429:3 445:23 costs 5:12 36:6 36:22 40:16	44:4 45:17 57:25 85:5 87:21 90:11,16 98:21,23 99:4 100:14 108:17 113:4,15 120:13,16 123:3,5 154:20 181:7 191:11 200:20 201:14 206:20,23 209:16 224:2 250:11,22 251:3,16,17 254:11 263:2 283:16 293:7 293:13 308:22 326:5 334:20 349:7,8 354:4 354:9,10 376:3 399:6 402:4 425:12 431:7 431:17,24,25 460:16 462:18 463:10 477:8,9 481:13 489:25 498:2 cough 303:1 325:18,19 coughing 333:11 383:25 Council 37:9 67:6 136:3 340:15 405:15 419:14 461:11 461:25 480:7 count 436:22 counter 423:9 455:6 counties 232:13 232:14 255:17 255:21 counting 121:5 140:13 152:4 376:8 395:1 421:8 countless 50:22 54:20 272:12 304:1 365:24	374:13 countries 28:23 56:23 70:5,11 70:18 80:4 102:21 227:13 245:14 373:3 400:12,20 401:1,16,21 402:1 448:25 478:2 country 23:16 29:25 53:14 57:3,23 64:20 68:12 70:7,13 73:21 80:10 91:5 106:10 114:17 119:25 122:1 123:18 128:25 131:11 134:6 136:21 148:23 153:2 156:13 159:16 162:6 179:25 183:7 184:5 185:15 190:2 194:18 207:17 226:10 236:19 236:22 239:14 241:24 246:10 247:8 249:10 254:13 261:21 266:1,9 269:3 269:6 271:2,10 272:16 282:21 297:3 301:18 308:24 312:9 314:22 315:6 316:20 320:9 320:16 333:21 349:3 351:6 353:18 369:25 385:16 442:10 444:7 447:18 448:12 449:4 449:22 450:18 457:5 463:4 473:21 475:20 488:25 494:23 496:24 498:6
---	---	---	---	---

country's 57:19 155:4 245:24 288:11 446:17	440:17 461:3 462:7 485:19 502:4,14	328:4 346:4 422:20 470:17 492:4	critical 23:6 50:17 51:4 73:23 74:24 75:8 108:18 128:18 150:13 152:9 158:22 175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	curbed 154:13 curbing 168:15 cure 82:8 157:4 157:10 304:8
counts 451:2	Court's 61:18	creation 71:20	128:18 150:13 152:9 158:22 175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	current 45:24
county 29:4	125:21 210:19	72:11 114:6	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	51:22 53:24
37:16 52:15,21	courts 176:2	115:6,22 116:7	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	61:17 65:23
67:13 81:3	229:1 288:4	188:5 189:2	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	68:24 86:23
140:18 154:11	359:1 394:11	367:19,20,24	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	88:7 97:12
174:17 238:7	397:20 425:17	369:8 376:18	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	99:23 105:8,17
239:1 240:7	cousin 286:23	421:22 469:10	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	110:9 117:16
241:3 279:25	cover 326:19	creativity 19:20	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	122:7 137:4
280:11,20	coverage 176:22	creator 187:17	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	172:14 196:17
281:15 303:6	176:25 177:3	367:22	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	204:4 223:18
319:5,7 320:5	covered 18:11	credibility 466:9	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	223:20 242:9
337:17 344:20	coverings	credit 59:10	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	248:14 254:9
366:17	144:15	credits 87:24	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	268:21,22
couple 238:23	covers 112:15	creek 114:20	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	273:1 284:7
384:24 413:4	128:4 372:12	creeks 319:9	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	307:6 323:3
418:12 499:24	COVID 80:12	Creswell 423:20	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	324:9 328:3,23
coupled 159:22	174:1,7,12	423:21,22	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	329:10 340:5
courage 197:16	cowardice	Crichton 332:1	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	346:11 382:5
219:4 482:13	482:12	cries 116:2,11	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	393:23 400:9
courageous 46:5	coworkers	crime 77:9	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	416:8 449:23
course 45:24	159:20 174:3	226:12 298:13	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	472:2 489:22
49:10 137:19	CPR 69:21	404:8	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	491:16
165:23 263:7,9	Craig 177:21,24	crippled 42:15	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	currently 13:16
263:13 339:6	369:13	crippling 20:21	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	33:12 105:4
347:25 401:14	crashed 214:16	424:13	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	114:10 139:18
420:15 431:13	crazy 69:9	crises 172:4	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	185:2 198:23
446:12	260:20	308:8 351:22	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	203:2 234:6
court 1:22,23	create 41:5	crisis 30:23	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	247:24 303:6
10:10,24 14:1	118:12 136:9	105:21,23	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	309:24 318:4
40:24 41:2	181:25 193:10	117:17,25	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	339:17 375:15
68:20 97:15	201:7 313:4	118:15 134:19	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	375:17 408:16
101:4 110:6	481:5 492:21	138:12 163:12	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	444:13 458:5
116:1 125:23	created 26:25	171:13 190:20	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	486:5
127:24 128:10	30:6 97:20	210:1 255:15	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	curtailed 261:9
170:22 200:9	171:13 172:22	262:3 299:25	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	curtails 137:14
203:6 211:10	256:2 277:13	301:1 332:6	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	Curtis 473:9,10
218:12 252:24	386:20 451:10	344:25 345:22	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	customer 87:18
255:3 267:19	480:15 481:25	345:25 374:12	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	88:5
270:20 276:25	creates 28:6	392:25 441:21	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	customers 86:25
289:16 296:13	248:2 283:19	444:12 477:5	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	cut 28:3 45:7
298:18 318:8	292:9 343:23	495:16	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	100:17 115:18
318:24 338:9	380:16 487:9	crisp 23:11	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	164:3 168:21
350:9 365:9	creating 29:19	34:11	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	196:15 201:12
374:13 387:5	89:24 138:23	criteria 36:14	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	251:15 406:22
394:8 408:20	176:19 209:5	75:14 79:5,11	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	433:19
414:6 425:22	230:14 251:3	180:25 181:3	175:17 176:17 177:8 210:14 215:17 237:18 246:9 272:14 288:18 304:3 305:9 346:19 359:11 369:11 380:2 382:8 425:18 436:7 481:1 491:16	

cuts 118:2 176:20 196:19 340:3	94:20 167:14 251:2 311:1 437:19	244:1 312:15 415:13	310:5 311:22 322:24 363:9	319:21
cutting 21:8 333:22 334:6 406:3 497:14	Dan 69:20 Dana 219:15,24	Daniel 69:19 258:8	366:9 373:9,14 398:24 400:3 418:8 450:21 462:10 469:16 476:9 483:7 485:8 500:1 501:2 502:9	deadliest 33:15 139:6 168:24 431:11
cyanoctic 61:1	danger 24:2 50:13 157:20	Danielle 357:6 359:15,24	462:10 469:16 476:9 483:7 485:8 500:1 501:2 502:9	deadly 19:14 56:16 60:22 77:14 96:24 128:6 158:12 226:19 291:22 310:7 367:7 400:17 418:5 431:2
cycle 277:12	dangerous 22:25 23:14 25:15	Daphna 265:10 265:23 270:23	day-to-day 105:10 117:5	deafening 188:18
cycles 331:13	38:21 55:17	dare 195:24 196:9	days 8:18 15:9 22:6 23:14 46:16 56:5 81:19 82:2,9 103:9 107:17 108:12 117:13 129:14 135:12 138:20 163:3 163:24 170:3 191:2,19 192:22 198:12 221:25 222:1 236:20 241:7 253:7,8 255:22 257:25 279:2 280:24 283:1 287:10 345:19 347:22 348:3 354:3 358:14 373:15,17 375:3 376:6 379:20,22 384:23 385:1 386:8 390:1 391:6,10 406:5 420:15 427:12 443:4 451:1,1 491:19	deal 36:13 64:2 138:16 213:19 259:8,9,13 351:22 474:14
cyclones 261:7	56:7 71:14	data 7:3 20:2 27:13 49:21 178:23 232:3 234:10 256:20 257:8 295:6 331:18,18 370:11 372:24 385:20 441:3 442:6 477:4 481:12	105:10 117:5 22:6 23:14 46:16 56:5 81:19 82:2,9 103:9 107:17 108:12 117:13 129:14 135:12 138:20 163:3 163:24 170:3 191:2,19 192:22 198:12 221:25 222:1 236:20 241:7 253:7,8 255:22 257:25 279:2 280:24 283:1 287:10 345:19 347:22 348:3 354:3 358:14 373:15,17 375:3 376:6 379:20,22 384:23 385:1 386:8 390:1 391:6,10 406:5 420:15 427:12 443:4 451:1,1 491:19	dealers 86:17,18 86:20 87:11
cynical 46:7	72:9,24 76:25 78:21 89:22,25 99:3 103:16 106:2 110:25 112:21 128:23 130:15 137:14 138:25 146:21 147:2 158:12 161:8 162:7 176:6 177:3 183:10 184:1 186:18 197:6 212:15 236:18 237:13 240:23 250:15 253:15 255:23 263:12 274:23 275:11 276:1 294:13 296:8 300:24 301:16 308:5 329:12 330:12 336:19 346:12 349:6 353:4 366:4 369:6 374:18 386:1 396:23 397:1 406:22 421:1 444:1 449:21 453:16 457:17 467:11,12 482:6	date 1:10 8:18 dated 28:18 502:9	105:10 117:5 22:6 23:14 46:16 56:5 81:19 82:2,9 103:9 107:17 108:12 117:13 129:14 135:12 138:20 163:3 163:24 170:3 191:2,19 192:22 198:12 221:25 222:1 236:20 241:7 253:7,8 255:22 257:25 279:2 280:24 283:1 287:10 345:19 347:22 348:3 354:3 358:14 373:15,17 375:3 376:6 379:20,22 384:23 385:1 386:8 390:1 391:6,10 406:5 420:15 427:12 443:4 451:1,1 491:19	dealing 89:21 91:21 139:4 223:22 435:17
Cynthia 143:4,5 147:16	99:3 103:16 106:2 110:25 112:21 128:23 130:15 137:14 138:25 146:21 147:2 158:12 161:8 162:7 176:6 177:3 183:10 184:1 186:18 197:6 212:15 236:18 237:13 240:23 250:15 253:15 255:23 263:12 274:23 275:11 276:1 294:13 296:8 300:24 301:16 308:5 329:12 330:12 336:19 346:12 349:6 353:4 366:4 369:6 374:18 386:1 396:23 397:1 406:22 421:1 444:1 449:21 453:16 457:17 467:11,12 482:6	dates 490:5	105:10 117:5 22:6 23:14 46:16 56:5 81:19 82:2,9 103:9 107:17 108:12 117:13 129:14 135:12 138:20 163:3 163:24 170:3 191:2,19 192:22 198:12 221:25 222:1 236:20 241:7 253:7,8 255:22 257:25 279:2 280:24 283:1 287:10 345:19 347:22 348:3 354:3 358:14 373:15,17 375:3 376:6 379:20,22 384:23 385:1 386:8 390:1 391:6,10 406:5 420:15 427:12 443:4 451:1,1 491:19	dealt 224:1 261:4
Cyrus 293:19,20	99:3 103:16 106:2 110:25 112:21 128:23 130:15 137:14 138:25 146:21 147:2 158:12 161:8 162:7 176:6 177:3 183:10 184:1 186:18 197:6 212:15 236:18 237:13 240:23 250:15 253:15 255:23 263:12 274:23 275:11 276:1 294:13 296:8 300:24 301:16 308:5 329:12 330:12 336:19 346:12 349:6 353:4 366:4 369:6 374:18 386:1 396:23 397:1 406:22 421:1 444:1 449:21 453:16 457:17 467:11,12 482:6	daughter 24:24 25:14 103:8 140:22 142:5 153:10 225:3 328:11 347:10 348:15,25 358:5,7 360:13	105:10 117:5 22:6 23:14 46:16 56:5 81:19 82:2,9 103:9 107:17 108:12 117:13 129:14 135:12 138:20 163:3 163:24 170:3 191:2,19 192:22 198:12 221:25 222:1 236:20 241:7 253:7,8 255:22 257:25 279:2 280:24 283:1 287:10 345:19 347:22 348:3 354:3 358:14 373:15,17 375:3 376:6 379:20,22 384:23 385:1 386:8 390:1 391:6,10 406:5 420:15 427:12 443:4 451:1,1 491:19	dearly 114:12
cystic 138:14	99:3 103:16 106:2 110:25 112:21 128:23 130:15 137:14 138:25 146:21 147:2 158:12 161:8 162:7 176:6 177:3 183:10 184:1 186:18 197:6 212:15 236:18 237:13 240:23 250:15 253:15 255:23 263:12 274:23 275:11 276:1 294:13 296:8 300:24 301:16 308:5 329:12 330:12 336:19 346:12 349:6 353:4 366:4 369:6 374:18 386:1 396:23 397:1 406:22 421:1 444:1 449:21 453:16 457:17 467:11,12 482:6	David 47:4,5 David 126:8,9 276:18 471:6 471:11	105:10 117:5 22:6 23:14 46:16 56:5 81:19 82:2,9 103:9 107:17 108:12 117:13 129:14 135:12 138:20 163:3 163:24 170:3 191:2,19 192:22 198:12 221:25 222:1 236:20 241:7 253:7,8 255:22 257:25 279:2 280:24 283:1 287:10 345:19 347:22 348:3 354:3 358:14 373:15,17 375:3 376:6 379:20,22 384:23 385:1 386:8 390:1 391:6,10 406:5 420:15 427:12 443:4 451:1,1 491:19	death 45:16 60:21 62:17 144:13 174:11 190:1 226:14 227:4 256:23 264:11 293:12 295:20 307:1 312:2 319:11 368:15 386:3 404:12,16 420:19 423:11 441:24 455:18 487:12
D	99:3 103:16 106:2 110:25 112:21 128:23 130:15 137:14 138:25 146:21 147:2 158:12 161:8 162:7 176:6 177:3 183:10 184:1 186:18 197:6 212:15 236:18 237:13 240:23 250:15 253:15 255:23 263:12 274:23 275:11 276:1 294:13 296:8 300:24 301:16 308:5 329:12 330:12 336:19 346:12 349:6 353:4 366:4 369:6 374:18 386:1 396:23 397:1 406:22 421:1 444:1 449:21 453:16 457:17 467:11,12 482:6	Davis 376:14,17	105:10 117:5 22:6 23:14 46:16 56:5 81:19 82:2,9 103:9 107:17 108:12 117:13 129:14 135:12 138:20 163:3 163:24 170:3 191:2,19 192:22 198:12 221:25 222:1 236:20 241:7 253:7,8 255:22 257:25 279:2 280:24 283:1 287:10 345:19 347:22 348:3 354:3 358:14 373:15,17 375:3 376:6 379:20,22 384:23 385:1 386:8 390:1 391:6,10 406:5 420:15 427:12 443:4 451:1,1 491:19	deaths 40:18 73:16 77:6 90:8 97:7 113:10 120:12 135:10 154:18 161:19 179:10 191:21 196:1 198:22 205:23 208:7 226:22 226:24 227:8
D 2:1	99:3 103:16 106:2 110:25 112:21 128:23 130:15 137:14 138:25 146:21 147:2 158:12 161:8 162:7 176:6 177:3 183:10 184:1 186:18 197:6 212:15 236:18 237:13 240:23 250:15 253:15 255:23 263:12 274:23 275:11 276:1 294:13 296:8 300:24 301:16 308:5 329:12 330:12 336:19 346:12 349:6 353:4 366:4 369:6 374:18 386:1 396:23 397:1 406:22 421:1 444:1 449:21 453:16 457:17 467:11,12 482:6	day 3:7 4:24 5:7 9:2 22:12 23:21 30:3,3 32:13 69:8 89:8,15 93:8 98:22 103:6,20 142:6 167:22 168:6 190:2 205:21 212:9 239:4 243:10 243:13 253:23 263:18 280:4 280:15 306:2	105:10 117:5 22:6 23:14 46:16 56:5 81:19 82:2,9 103:9 107:17 108:12 117:13 129:14 135:12 138:20 163:3 163:24 170:3 191:2,19 192:22 198:12 221:25 222:1 236:20 241:7 253:7,8 255:22 257:25 279:2 280:24 283:1 287:10 345:19 347:22 348:3 354:3 358:14 373:15,17 375:3 376:6 379:20,22 384:23 385:1 386:8 390:1 391:6,10 406:5 420:15 427:12 443:4 451:1,1 491:19	
d'Oreille 173:9	99:3 103:16 106:2 110:25 112:21 128:23 130:15 137:14 138:25 146:21 147:2 158:12 161:8 162:7 176:6 177:3 183:10 184:1 186:18 197:6 212:15 236:18 237:13 240:23 250:15 253:15 255:23 263:12 274:23 275:11 276:1 294:13 296:8 300:24 301:16 308:5 329:12 330:12 336:19 346:12 349:6 353:4 366:4 369:6 374:18 386:1 396:23 397:1 406:22 421:1 444:1 449:21 453:16 457:17 467:11,12 482:6	DC 129:1 130:3 133:24 158:9 247:5,25 348:2 397:21	105:10 117:5 22:6 23:14 46:16 56:5 81:19 82:2,9 103:9 107:17 108:12 117:13 129:14 135:12 138:20 163:3 163:24 170:3 191:2,19 192:22 198:12 221:25 222:1 236:20 241:7 253:7,8 255:22 257:25 279:2 280:24 283:1 287:10 345:19 347:22 348:3 354:3 358:14 373:15,17 375:3 376:6 379:20,22 384:23 385:1 386:8 390:1 391:6,10 406:5 420:15 427:12 443:4 451:1,1 491:19	
dagger 434:25	99:3 103:16 106:2 110:25 112:21 128:23 130:15 137:14 138:25 146:21 147:2 158:12 161:8 162:7 176:6 177:3 183:10 184:1 186:18 197:6 212:15 236:18 237:13 240:23 250:15 253:15 255:23 263:12 274:23 275:11 276:1 294:13 296:8 300:24 301:16 308:5 329:12 330:12 336:19 346:12 349:6 353:4 366:4 369:6 374:18 386:1 396:23 397:1 406:22 421:1 444:1 449:21 453:16 457:17 467:11,12 482:6	DCs 129:11	105:10 117:5 22:6 23:14 46:16 56:5 81:19 82:2,9 103:9 107:17 108:12 117:13 129:14 135:12 138:20 163:3 163:24 170:3 191:2,19 192:22 198:12 221:25 222:1 236:20 241:7 253:7,8 255:22 257:25 279:2 280:24 283:1 287:10 345:19 347:22 348:3 354:3 358:14 373:15,17 375:3 376:6 379:20,22 384:23 385:1 386:8 390:1 391:6,10 406:5 420:15 427:12 443:4 451:1,1 491:19	
daily 69:5 105:16 142:1 159:8 185:19 256:18,19,21 268:10 306:18 378:14 479:22	99:3 103:16 106:2 110:25 112:21 128:23 130:15 137:14 138:25 146:21 147:2 158:12 161:8 162:7 176:6 177:3 183:10 184:1 186:18 197:6 212:15 236:18 237:13 240:23 250:15 253:15 255:23 263:12 274:23 275:11 276:1 294:13 296:8 300:24 301:16 308:5 329:12 330:12 336:19 346:12 349:6 353:4 366:4 369:6 374:18 386:1 396:23 397:1 406:22 421:1 444:1 449:21 453:16 457:17 467:11,12 482:6	de 42:12 75:17 439:10	105:10 117:5 22:6 23:14 46:16 56:5 81:19 82:2,9 103:9 107:17 108:12 117:13 129:14 135:12 138:20 163:3 163:24 170:3 191:2,19 192:22 198:12 221:25 222:1 236:20 241:7 253:7,8 255:22 257:25 279:2 280:24 283:1 287:10 345:19 347:22 348:3 354:3 358:14 373:15,17 375:3 376:6 379:20,22 384:23 385:1 386:8 390:1 391:6,10 406:5 420:15 427:12 443:4 451:1,1 491:19	
Daivie 340:9,13	99:3 103:16 106:2 110:25 112:21 128:23 130:15 137:14 138:25 146:21 147:2 158:12 161:8 162:7 176:6 177:3 183:10 184:1 186:18 197:6 212:15 236:18 237:13 240:23 250:15 253:15 255:23 263:12 274:23 275:11 276:1 294:13 296:8 300:24 301:16 308:5 329:12 330:12 336:19 346:12 349:6 353:4 366:4 369:6 374:18 386:1 396:23 397:1 406:22 421:1 444:1 449:21 453:16 457:17 467:11,12 482:6	dead 46:23 82:15 292:4 295:15,16,19	105:10 117:5 22:6 23:14 46:16 56:5 81:19 82:2,9 103:9 107:17 108:12 117:13 129:14 135:12 138:20 163:3 163:24 170:3 191:2,19 192:22 198:12 221:25 222:1 236:20 241:7 253:7,8 255:22 257:25 279:2 280:24 283:1 287:10 345:19 347:22 348:3 354:3 358:14 373:15,17 375:3 376:6 379:20,22 384:23 385:1 386:8 390:1 391:6,10 406:5 420:15 427:12 443:4 451:1,1 491:19	
damage 56:3 81:23 82:3 95:5,10,11 139:25 168:23 179:7 193:10 214:5 215:5 218:19 258:3 264:14 298:25 377:10 386:2 439:5 494:9	99:3 103:16 106:2 110:25 112:21 128:23 130:15 137:14 138:25 146:21 147:2 158:12 161:8 162:7 176:6 177:3 183:10 184:1 186:18 197:6 212:15 236:18 237:13 240:23 250:15 253:15 255:23 263:12 274:23 275:11 276:1 294:13 296:8 300:24 301:16 308:5 329:12 330:12 336:19 346:12 349:6 353:4 366:4 369:6 374:18 386:1 396:23 397:1 406:22 421:1 444:1 449:21 453:16 457:17 467:11,12 482:6		105:10 117:5 22:6 23:14 46:16 56:5 81:19 82:2,9 103:9 107:17 108:12 117:13 129:14 135:12 138:20 163:3 163:24 170:3 191:2,19 192:22 198:12 221:25 222:1 236:20 241:7 253:7,8 255:22 257:25 279:2 280:24 283:1 287:10 345:19 347:22 348:3 354:3 358:14 373:15,17 375:3 376:6 379:20,22 384:23 385:1 386:8 390:1 391:6,10 406:5 420:15 427:12 443:4 451:1,1 491:19	
damaged 52:4 105:11 144:3 168:20 269:8 320:2 349:10 405:22 442:23	99:3 103:16 106:2 110:25 112:21 128:23 130:15 137:14 13			

227:12 287:22 290:18 306:6 316:11 351:5 357:25 358:2 407:2 416:16 419:23 420:3 420:10 422:25 431:9,12 456:6 460:17 461:8 470:23 487:20 488:2 496:5 debacles 320:8 debate 357:1 379:8 debilitating 157:25 429:3 decade 73:8 154:10 162:4 183:19 247:12 290:5 330:15 343:9,10,13 348:5 351:8 430:15 decades 20:15 35:23 39:25 53:20 58:3 90:23 109:4,16 113:19 143:16 184:8 186:9 207:21 217:17 217:21 218:10 226:22 237:17 252:21 253:22 282:17 289:22 290:7 312:19 335:24 348:8 350:24 352:23 358:18 375:20 386:10 414:5 415:2,8 463:12 475:21 decarbonization 491:13 December 23:13 46:16 267:13 268:5 435:20 deceptively 489:17 decide 75:10	decided 55:9 473:11 deciding 330:19 decimated 155:3 decision 61:18 62:16 66:20 81:10 101:6 175:20 180:24 191:14 193:18 195:10,21 197:7,9 210:19 210:20 218:3,9 222:7 238:18 257:9 289:16 361:5 399:25 473:19,23 474:1 475:9 488:12,15 decision-maki... 286:8 decisions 5:16 125:21,24 188:14 396:13 477:3 494:25 decisive 401:15 decisively 44:24 424:22 declared 188:24 336:13 424:11 declares 187:16 declaring 380:8 488:6 decline 44:5 362:14 409:10 452:5 declined 204:22 394:1 declining 88:6 281:18 393:25 decomposing 144:5 decrease 28:12 31:3 48:19 62:11 283:12 315:21 343:8 decreased 190:12 209:17 209:19 279:10 279:11,12	427:9 decreasing 27:13 34:1 153:4 208:1 305:20 484:7 dedicated 171:12 189:19 254:23 267:15 268:7 490:16 dedicating 255:10 dedication 118:1 deed 403:25 deems 121:16 deep 24:18 37:11 312:4 374:3 deepen 468:10 deepest 76:17 deeply 30:24 35:4 40:20 89:12 102:17 118:5 133:20 185:7 186:14 190:12 231:15 231:20 237:19 256:12 266:2 325:2 361:2 366:21 384:4 392:7 413:8 424:16 426:23 475:22 493:14 Defanging 247:16 defend 104:14 135:19 187:24 219:10 231:8 defending 72:5 73:24 236:7 361:19 496:20 defense 136:2 286:17 306:22 308:2 461:10 480:7 defenses 312:4 define 101:9 462:23 definite 67:14 472:13	definitely 135:12 definition 83:6 deforestation 188:20 339:15 DeForrest 173:5 173:6,7 degradation 428:19 degraded 428:23 429:24 429:25 degrading 217:4 406:9 degree 23:13 78:14 155:22 172:1 185:1 236:21 278:24 291:14 375:4 379:17,19 391:8 432:1 degrees 127:9 129:14,17 139:14 141:9 144:22 154:12 205:20 253:11 310:10 348:3 379:21,22 498:11 dehydrated 32:16 129:25 dehydration 32:20 364:11 delay 77:5 88:5 450:5 delayed 490:4 delaying 33:23 251:2 delays 283:19 380:16 delete 273:18 297:21 deletion 194:3 deliberate 110:2 195:10 deliberately 308:25 delicate 176:12 deliver 40:15	43:6 58:15 74:22 123:12 123:15 155:6 184:4 273:25 276:15 386:12 463:6 477:18 481:14 491:16 delivered 65:12 deliveries 42:16 delivering 296:16 386:5 420:22 delivery 251:5 383:19 403:14 403:15,21 420:24 demand 87:7,18 90:14 173:14 219:9 356:24 446:9 demand-driven 88:10 demanding 245:14 demands 80:21 219:3 dementia 33:21 145:1 166:4 democracy 255:13 489:7 490:9,19 democratic 195:13 Demolishing 57:3 demonized 330:12 331:20 demonstrate 108:22 310:24 410:13 demonstrated 258:8 264:8 463:25 demonstrates 463:15 Denali 126:23 denial 396:19 denials 46:7 denied 443:15
---	---	---	--	--

denier 77:19	193:19 230:20	deserves 116:10	47:13 76:2	463:22
deniers 76:14	depleted 229:21	367:13 421:7	126:2 416:8	developed 25:5
127:15	depleting 187:14	design 85:1	437:21 464:10	43:12 54:23
denies 89:7	depletion 125:11	427:23	details 7:13	98:24 187:13
99:20 113:16	deploy 314:15	designated	detection 433:11	188:10 336:7
119:18 231:19	deployable 48:7	406:14	deteriorate	403:8 427:8
475:18	deployed 43:22	designed 79:2	142:9	developer
Denmark 373:5	deploying 88:4	desirable 245:13	determination	294:24
denomination	deployment	desire 333:8	66:5 97:14	developing 9:14
187:4	165:17	desktop 362:13	175:21 200:14	38:13 102:19
denominations	depression	desperately	240:18 304:23	180:18 300:7
376:20,21	132:6 172:6	259:14 490:18	305:6	development
denominator	420:24 428:25	despite 25:20	determinations	31:19 179:23
396:9	458:7,14	36:11 79:19	220:14	190:19,23
Denver 150:17	depressive	98:4 208:25	determine	234:22 284:23
150:22 327:15	172:10	268:24 275:21	210:21	313:17 334:8
deny 111:2,18	Deputy 94:2	287:6 296:25	determined	366:25 389:16
115:3 211:8	180:12 452:11	314:11,23	97:10 220:6	428:3
214:6 235:10	derail 322:14	381:9 404:3	393:18	developmental
320:22 339:20	deregulating	420:17 484:14	detrimental	264:14
348:6 381:13	281:23 465:24	destabilizes	333:24	developments
denying 115:20	deregulation	309:5	Detroit 24:16	368:5 372:15
195:14 290:24	4:24 156:8	destabilizing	256:4,17	develops 187:8
350:18 358:22	165:7 446:4	208:14	devastate 115:5	device 273:4
358:23 413:23	477:7	destinations	139:21	diabetes 224:9
477:15	derived 71:9	322:20 356:3	devastated	306:9 487:17
department	DeSantis 83:10	destroy 33:22	73:20 212:17	diagnosed 67:21
25:8 39:7	88:22,23,25	297:25 410:17	377:21 415:21	303:3 326:25
43:12 65:10	descendants	483:5,19	devastating 16:4	diagnoses
133:25 134:2,3	78:4	destroyed 18:15	32:10 37:17	403:10 404:6
165:14 196:20	describe 441:4	95:10 131:14	56:15 115:24	diagnosis 95:21
208:19 212:3	described 8:23	139:7 168:20	131:14,18	153:21 358:24
283:3 284:6	92:12 213:13	205:16 227:20	139:15 148:13	dialog 2:12
289:21 308:2	215:4 434:24	228:1 243:21	169:19 191:17	diametrically
350:17 379:6	description	320:1,6 322:18	205:11 221:16	352:2
394:17 402:22	188:6	360:17 383:18	223:22 231:22	dice 258:12
423:23 438:24	descriptions 9:8	418:20 422:6	301:13 320:10	dictate 87:10,18
487:11 493:13	desert 165:18,22	428:24 489:24	323:22,23	die 157:5 190:2
depend 24:8	desertification	destroying	374:17 375:1	214:22 357:23
39:2 106:18	280:4,15	412:3 432:6	395:23 474:4	375:13 401:9
140:25 187:23	deserting 61:16	474:5 479:7	474:25 484:13	483:9
251:4 300:8	deserve 116:9	destruction	497:17 498:5	died 63:18
398:17 477:3	132:22 197:14	319:11	devastation	100:14 151:11
477:24 486:3	264:17 325:6	destructive	117:22 139:5	292:3 319:6
dependence	356:17 366:24	208:4 258:6,25	206:2 248:19	403:6,20
137:11	373:20 396:25	313:3 430:21	360:10	420:19 483:12
dependent 58:5	396:25 442:10	431:1 432:5	develop 5:22	Diegan 157:23
177:12 264:3	444:16,16	467:6 491:14	44:6 52:16	Diego 155:19,21
depends 113:23	445:12 478:4	detailed 46:18	83:3 105:23	156:2,3,5,10

156:15 195:1	dire 290:1	461:11 478:11	475:5 477:13	468:13 483:17
diesel 26:20,21	direct 15:14	491:3	disastrous	disease-carryi...
27:23 28:2	65:24 84:13	dirty 57:2,3	457:18	433:4
39:14 43:20	172:15 198:18	490:1	disbanded 62:4	diseases 19:14
54:15 156:6,13	229:14 232:17	dirty 258:21	disbenefits 49:5	33:19 38:19
157:1 165:16	278:21 282:16	259:13 399:2	discharge	103:5,13
165:20 311:18	305:19 329:8	448:19	364:15 489:16	108:16 118:19
312:16 395:22	335:23 369:9	disability 324:25	disciple 435:3	152:19 154:3
480:11,23	375:21 388:16	disabled 16:21	disclose 99:4	174:8 214:10
difference 80:16	388:22 474:8	225:1 260:1	disclosure 10:17	215:1 226:17
400:17	487:4 502:17	disagree 368:3	disconnect	234:19,23
different 70:17	directed 109:21	disagreements	273:15	237:5 358:15
105:15 245:19	388:12	110:11	discontinuation	385:19 391:24
287:7 312:23	direction 26:25	disagrees 371:25	341:7	416:11 484:16
348:17	170:5 178:3	373:18	discounts	484:18 486:3
difficult 62:25	314:21 481:21	disappear 308:7	372:22	487:15,17
64:4 157:3,7	directions 178:5	309:24	discourage 88:8	disheartening
250:14 319:23	directly 64:7	disappointed	discouraging	271:25
429:3 492:1	71:9 73:19	60:18 231:15	124:11	disinformation
difficulties 12:15	85:21,22	288:12	discretion	331:22 350:16
219:20 429:12	122:12 128:5	disaster 25:18	502:18	dismantle 164:2
difficulty 190:11	134:19 175:14	95:3 132:11	discrimination	256:25 356:22
458:7	177:15 198:13	168:24 244:23	361:1	414:3
digit 399:8	199:13 230:9	248:22 322:7	discussed 190:9	dismantling
diligence 220:10	233:20 235:3	369:3 377:25	discussion 7:1	98:14
diminish 176:21	251:14 290:8	458:16 497:24	341:14 342:6	dismissal 217:1
dinner 407:18	290:10 297:9	498:23	disease 39:19	dismissed 328:3
407:23	300:15 311:25	disasters 20:18	55:19,22,25	dismissing 439:8
Dionna 254:18	352:23 374:23	26:10 77:4	67:21,22 72:21	disorder 132:6
254:20 255:7	383:4 388:20	85:10 97:2	103:5,12,17	disorders 132:7
dioxide 64:6	393:15 398:15	120:14 140:6	108:16 115:13	429:2
87:2 92:18	427:5 458:15	143:13 196:7	135:9 154:17	disparaged
93:1 144:7,9	495:4	196:17 217:19	160:23,23	97:16
144:10 152:3	director 2:22	217:22 236:24	163:14 166:3	disparities
173:1,20	3:12 19:6	263:21 287:21	183:2,17	147:23 148:22
174:20,23	34:25 37:15	290:9,16	190:15 191:13	256:20 314:1
178:2,6,10,11	71:23 121:10	295:11,12	197:3 214:1	disparity 314:9
178:13,16	128:14 145:15	296:2 320:16	215:3 224:9	dispersed
179:17 183:25	147:25 175:9	321:17,25	227:7 237:5,10	159:15
198:8 215:18	180:12 187:5	328:12,14	249:7 251:8	displace 125:18
232:5 234:11	228:18 230:25	336:13 351:10	255:24 256:22	displaced
295:2 300:20	247:4 249:23	360:8,21	292:18 312:8	144:10 360:7
322:4 328:16	267:10 268:2	374:24 377:8	333:17 375:8	360:12,20
330:11 331:4	289:2 293:22	378:12 391:21	386:2 391:25	378:2 391:4
339:7 413:17	313:15 330:5	399:7 428:20	392:3 404:10	displacement
429:18 435:15	371:22 374:1	431:19 432:6	418:24 420:9	117:23 118:18
471:22 472:12	376:17 402:21	439:3 443:7	423:11,13	224:25 298:7
dioxins 143:23	410:6 432:17	453:19 460:19	433:14,18	454:11
144:20	452:11,14	469:25 470:5	455:18,20	displacing 412:4

display 11:16	distressing 118:9	472:14	331:10	78:13 91:10,11
displayed 12:13	distributed 8:25	documented 53:5 90:9	dominate 70:8	104:24,25
13:16,25 203:2	351:14	190:8 311:18	373:2	147:21,21
203:22 318:4	distributing 378:2	389:10 393:13	dominating 70:8	158:8,9 160:9
318:23 408:16	distribution 74:10	416:15 487:22	70:20	164:24 165:2,3
409:25	district 94:2	documents 53:19 334:1	Dominique 19:3	171:5,6 177:21
disposable 336:22	107:6 112:14	343:6	19:5 319:1,2	177:22,24,24
disproportion... 54:5 163:4	112:17 113:8	Dodd 304:10,11	Doniger 126:8,9	225:24,25
385:12	326:13 433:23	304:12,14,16	126:9	260:9 337:15
disproportion... 38:2 73:1	disturbance 165:3	304:17 305:2,5	door 25:18,23	337:16 357:11
232:22 248:21	disturbingly 348:16	DOE 100:21	37:22	362:20,23
256:14 314:9	diuretic 364:8	127:15,20	doorstep 345:23	402:16 414:23
314:11 368:19	diverse 148:3	285:22 297:10	345:25	426:16,18
377:13 448:2	247:6	297:18 372:16	Doris 158:7,9	447:6 456:22
468:5 480:24	diverted 369:2	DOE's 246:5	Dornbos 99:12	456:22 466:14
dispute 363:18	Division 2:23	Doersch 86:14	99:13,14	466:17,17
377:5	3:13 39:8	86:15,16	Dorothy 228:13	471:10 482:17
disputed 401:4	452:11	dog 366:12	228:17	482:19 485:22
disregard 195:12 259:2	docket 1:7 8:15	391:10	double 24:14	485:25 488:20
394:10,11	8:16,22 11:14	dogs 433:8,10	353:12 355:1	495:11,12
disregards 481:15	11:15 13:22	443:2	425:7 442:3	draft 97:19
disrupt 250:10	107:14 122:15	doing 21:8 23:5	doubled 73:15	100:20 137:4
disrupted 42:15	203:18,19	114:23 247:3	97:3 113:11	208:18 212:2
disrupting 250:22 296:10	215:10 318:19	251:21 261:12	398:1,2 422:24	285:7,18
disruption 20:10	318:20 333:25	275:25 311:15	456:5 470:22	493:14
191:6 271:20	409:21,22	326:8 334:8	doubt 289:23	drafted 235:9
366:18	500:23,24	406:18 441:19	299:24 368:6	350:18 372:16
disrupts 248:18	doctor 14:17	456:14 466:24	Dow 296:18,19	drag 196:5
361:20	15:6 51:21	dollar 85:9	296:19	drags 87:7
dissent 478:15	357:12 362:24	217:19 320:15	downloads 13:5	drain 20:18
disservice 269:25	482:20 484:20	354:11	downpours 129:5 163:24	drains 309:4
dissolution 294:8	doctoral 78:14	dollars 45:8 51:9	217:14	dramatic 87:1
distance 121:22	doctors 15:3	82:10 179:19	downs 216:13	dramatically 153:2
distant 163:22	16:13,16	181:14,15	downside 166:3	drastic 227:4
distinction 162:22	324:13 327:4	218:20 272:7	downstairs 333:9	drastically 433:19
distinguished 456:24	333:14 363:5	297:17 331:1	downstream 485:6	drawn 290:22
distort 440:16	465:12	336:1,22	downward 48:6	draws 192:21
distortion 99:25	doctrine 110:7	340:25 342:11	downwind 94:18	dreadful 16:6
distorts 286:7	372:11	386:12 425:2	94:20	dream 361:14
	document 66:11	426:4 436:1	dozen 422:6	dreamed 361:12
	66:16,17	439:4 445:23	dozens 347:15	drier 23:17
	157:17 284:23	477:12	Dr 14:13,13,14	35:11 82:14
	285:7 437:25	dome 214:21	14:16 47:4,5,5	138:23 206:6
	438:6,18 439:8	domes 23:15	52:11,11 60:2	258:11 486:24
		domestic 58:9	60:7 63:23	491:13
		137:12 342:13	71:18,19 78:12	drifted 169:8
		dominant 58:2		drilling 144:7

drinking 120:12 375:9 383:15	383:16 411:5 422:4 424:11	339:16 341:1,2 341:7 351:14	E	202:3,10 229:25 317:8
drive 43:19 55:11 73:12 75:10 87:21 122:4 137:11 163:14 248:15 250:11 300:14 334:19 343:22 344:1,10 376:3 383:3 388:23 425:11 481:13 495:24	428:20 469:17 474:13,25 476:12,15 479:3 droughts 23:18 77:1 136:20 144:22 197:2 220:23 221:8 226:16 229:9 261:5 295:15 295:18 300:23 316:10 320:11 375:8 391:21 393:25 400:16 430:19 453:20	366:18 368:24 384:23 391:1,7 391:12 396:23 403:21 408:21 418:15 427:8 439:2,6 441:4 441:9,16 451:3 457:16,21 458:25 460:12 460:17 477:1 497:21 dump 406:15 dumping 76:22 356:2 dunes 232:21 436:3 duration 7:23 53:21 226:20 dust 35:9 duty 4:13 27:6 42:11 43:5 44:1 45:4 48:9 66:7 88:2 93:5 123:8,11 136:18,24 168:7 194:16 199:7 210:3 220:14 237:21 245:21 301:15 340:19,21,23 341:12 342:8 367:11 381:16 382:14 394:14 413:21 425:24 464:5 468:17 480:21 dwarfed 477:8 dying 73:14 154:19 157:24 205:24 398:1 411:17 422:23 456:3 465:14 470:21 476:15	E2 2:1,1 e-mail 13:9 E15 58:22 59:16 59:19 E2 249:24 251:19 E30 59:4 E85 58:22 ear 214:1 earlier 23:17 68:6 227:2 279:3 333:4 406:3 410:8 415:12 422:5 466:6 early 22:12 117:2 195:16 202:9 244:24 245:4 253:5 317:13 348:19 408:1 earmuffs 18:10 ears 18:11 361:10 earth 27:24 46:2 80:18 144:14 155:22 178:11 178:22,24 179:1,3,8,10 187:25 188:8 258:22 274:10 274:15,21 276:8 277:24 289:6 292:10 310:17 313:24 331:12 339:2 348:6,9 465:9 earth's 331:12 339:18 495:21 earth.org 328:13 easier 12:7 387:22 easily 51:22 489:7 east 25:3 84:5 165:13 168:9 443:5 eastern 7:12	easy 185:25 Eaton 442:17,22 442:24 470:3 497:11,20 ECA 374:7 375:11,16 ECA's 374:20 375:5 echo 438:9 echoed 353:18 493:20 echoing 77:14 ecologist 486:16 Ecology 165:14 423:23 EcoMadres 150:9 360:1 economic 42:14 43:23 56:10 84:14 86:1 100:14 104:3 112:23 131:16 132:2 140:1 154:22 168:22 190:25 191:7 201:15 208:10 220:25 251:23 282:20 287:18 295:12 306:19 313:25 314:8 322:3 334:8,19 349:6 352:21 354:10 355:12 368:21 393:16 425:11 448:21 459:24 466:1 474:14 484:14 494:22 economically 85:4 484:13 economics 200:17 economies 217:25 223:25 250:24 425:9
driven 89:9 108:4 142:11 185:15 206:6 289:9,25 300:25 320:17 486:13 494:11	drove 153:20 345:17 drown 249:3 319:17 drownings 56:16 95:5 drug 404:11 dry 35:11 68:5 300:24 383:2 drying 206:3 dubious 47:15 438:5,18 Dublin 22:3 29:5 due 11:4 56:9 61:3 67:15 95:20 97:4 139:11 144:8 146:2 151:16 154:5 160:24 169:15 203:8 205:25 209:14 214:12 220:10 226:22 227:4 227:21,24 228:6 234:1,24 263:12 280:22 291:24 298:5 299:3 302:16 310:8 318:9 320:15 322:14 326:17 339:10	458:25 460:12 460:17 477:1 497:21 dump 406:15 dumping 76:22 356:2 dunes 232:21 436:3 duration 7:23 53:21 226:20 dust 35:9 duty 4:13 27:6 42:11 43:5 44:1 45:4 48:9 66:7 88:2 93:5 123:8,11 136:18,24 168:7 194:16 199:7 210:3 220:14 237:21 245:21 301:15 340:19,21,23 341:12 342:8 367:11 381:16 382:14 394:14 413:21 425:24 464:5 468:17 480:21 dwarfed 477:8 dying 73:14 154:19 157:24 205:24 398:1 411:17 422:23 456:3 465:14 470:21 476:15 dysautonomia 22:23 dystopian 333:7	E2 2:1,1 e-mail 13:9 E15 58:22 59:16 59:19 E2 249:24 251:19 E30 59:4 E85 58:22 ear 214:1 earlier 23:17 68:6 227:2 279:3 333:4 406:3 410:8 415:12 422:5 466:6 early 22:12 117:2 195:16 202:9 244:24 245:4 253:5 317:13 348:19 408:1 earmuffs 18:10 ears 18:11 361:10 earth 27:24 46:2 80:18 144:14 155:22 178:11 178:22,24 179:1,3,8,10 187:25 188:8 258:22 274:10 274:15,21 276:8 277:24 289:6 292:10 310:17 313:24 331:12 339:2 348:6,9 465:9 earth's 331:12 339:18 495:21 earth.org 328:13 easier 12:7 387:22 easily 51:22 489:7 east 25:3 84:5 165:13 168:9 443:5 eastern 7:12	202:3,10 229:25 317:8 317:14 407:20 408:2 easy 185:25 Eaton 442:17,22 442:24 470:3 497:11,20 ECA 374:7 375:11,16 ECA's 374:20 375:5 echo 438:9 echoed 353:18 493:20 echoing 77:14 ecologist 486:16 Ecology 165:14 423:23 EcoMadres 150:9 360:1 economic 42:14 43:23 56:10 84:14 86:1 100:14 104:3 112:23 131:16 132:2 140:1 154:22 168:22 190:25 191:7 201:15 208:10 220:25 251:23 282:20 287:18 295:12 306:19 313:25 314:8 322:3 334:8,19 349:6 352:21 354:10 355:12 368:21 393:16 425:11 448:21 459:24 466:1 474:14 484:14 494:22 economically 85:4 484:13 economics 200:17 economies 217:25 223:25 250:24 425:9
drives 240:21 308:4 366:10 drivetrain 88:11 driving 90:14 134:18 153:11 183:6 238:19 258:9,23,24 287:17 410:15 410:19 463:18 491:13 drop 90:22 95:6 347:23 dropped 80:13 95:7 dropping 476:25 drought 35:11 40:11 82:18 151:18 229:11 263:4 274:19 278:17 279:12 305:20 308:1 309:20 319:25 320:4 322:10 382:13 383:1	drove 153:20 345:17 drown 249:3 319:17 drownings 56:16 95:5 drug 404:11 dry 35:11 68:5 300:24 383:2 drying 206:3 dubious 47:15 438:5,18 Dublin 22:3 29:5 due 11:4 56:9 61:3 67:15 95:20 97:4 139:11 144:8 146:2 151:16 154:5 160:24 169:15 203:8 205:25 209:14 214:12 220:10 226:22 227:4 227:21,24 228:6 234:1,24 263:12 280:22 291:24 298:5 299:3 302:16 310:8 318:9 320:15 322:14 326:17 339:10	458:25 460:12 460:17 477:1 497:21 dump 406:15 dumping 76:22 356:2 dunes 232:21 436:3 duration 7:23 53:21 226:20 dust 35:9 duty 4:13 27:6 42:11 43:5 44:1 45:4 48:9 66:7 88:2 93:5 123:8,11 136:18,24 168:7 194:16 199:7 210:3 220:14 237:21 245:21 301:15 340:19,21,23 341:12 342:8 367:11 381:16 382:14 394:14 413:21 425:24 464:5 468:17 480:21 dwarfed 477:8 dying 73:14 154:19 157:24 205:24 398:1 411:17 422:23 456:3 465:14 470:21 476:15 dysautonomia 22:23 dystopian 333:7	E E2 2:1,1 e-mail 13:9 E15 58:22 59:16 59:19 E2 249:24 251:19 E30 59:4 E85 58:22 ear 214:1 earlier 23:17 68:6 227:2 279:3 333:4 406:3 410:8 415:12 422:5 466:6 early 22:12 117:2 195:16 202:9 244:24 245:4 253:5 317:13 348:19 408:1 earmuffs 18:10 ears 18:11 361:10 earth 27:24 46:2 80:18 144:14 155:22 178:11 178:22,24 179:1,3,8,10 187:25 188:8 258:22 274:10 274:15,21 276:8 277:24 289:6 292:10 310:17 313:24 331:12 339:2 348:6,9 465:9 earth's 331:12 339:18 495:21 earth.org 328:13 easier 12:7 387:22 easily 51:22 489:7 east 25:3 84:5 165:13 168:9 443:5 eastern 7:12	202:3,10 229:25 317:8 317:14 407:20 408:2 easy 185:25 Eaton 442:17,22 442:24 470:3 497:11,20 ECA 374:7 375:11,16 ECA's 374:20 375:5 echo 438:9 echoed 353:18 493:20 echoing 77:14 ecologist 486:16 Ecology 165:14 423:23 EcoMadres 150:9 360:1 economic 42:14 43:23 56:10 84:14 86:1 100:14 104:3 112:23 131:16 132:2 140:1 154:22 168:22 190:25 191:7 201:15 208:10 220:25 251:23 282:20 287:18 295:12 306:19 313:25 314:8 322:3 334:8,19 349:6 352:21 354:10 355:12 368:21 393:16 425:11 448:21 459:24 466:1 474:14 484:14 494:22 economically 85:4 484:13 economics 200:17 economies 217:25 223:25 250:24 425:9

economists 15:11 218:18	educational 78:14	342:2 386:12 414:2	361:17	elimination 32:5
economy 20:17 36:3 56:21 58:11 84:20 96:6 169:25 179:13,18 181:12,14 220:9 221:18 221:21 228:21 229:14 230:11 230:14 244:15 246:17 250:2 253:16 309:4 314:16 321:13 321:14,18 322:8,15,17 340:16 354:22 355:11 369:4 378:23 379:14 398:16 402:3,7 405:19 406:24 406:25 407:6 436:9 437:20 449:4 450:19 451:16,17 460:2 461:16 467:12 476:20 488:3	educator 260:11 Edward 387:8 EE 435:20 Eeyore 55:10 EF4 303:16 effect 65:17,21 97:8 157:15,15 275:3 280:3 322:14 367:3 370:23 458:10 471:20 effective 42:25 181:19 225:18 334:24 341:25 342:2 464:2 492:9 effectively 45:3 75:6 87:3 181:23 effectiveness 462:12 effactory 143:13 effects 15:1 18:8 25:22 27:1 29:21 37:18 60:22 91:22 96:6 108:24 109:3 111:5,16 113:17 142:4 144:24 145:2 156:24 158:12 160:19 167:21 170:11 178:9 193:12 217:16 244:18 251:3 280:14 305:19 372:9 388:3 389:9,12 400:14 424:17 457:20 458:1,3 458:8 472:10 473:4 476:7 485:7,8 497:17 498:16 efficiency 44:11 59:1 180:19 196:20 200:19	efficient 43:2 232:7 245:9 340:15 428:3 445:16,25 446:10 efficiently 274:18 effort 37:12 57:9 57:10 94:7 99:1 130:21 284:25 304:20 392:9 435:13 436:11 efforts 25:21 74:18 91:3 98:4 136:6 143:7 146:6 150:12 175:17 175:24 236:5 330:22 338:18 387:22 432:22 434:16 495:17 egregious 47:12 126:14 442:8 eight 42:8 284:18 453:25 eighth 329:13 either 273:1 362:16 488:12 El 417:16 ELCA 187:4,7 187:12 188:10 188:12 elder 261:16 elderly 90:2 103:16 160:3 235:1 312:7 326:6,17 368:20 382:21 423:12 447:21 455:19 elders 54:2 164:14 356:13 374:1 417:17 419:1 459:13 Elect 160:12 elected 119:21	electing 254:23 255:10 electric 42:13 43:20 60:17 64:21 75:7,16 101:17 125:21 181:4 182:13 245:10 259:20 294:24 314:5 314:16 338:21 340:1 341:6,17 342:22 343:22 343:24 366:10 372:25 427:24 446:6,10,10 449:18 electricity 20:22 214:21 448:15 electrification 87:6 334:14 480:25 electrified 477:20 electrify 496:2 electrifying 296:24 electronically 8:13 elephant 260:13 elevated 54:16 256:7 493:21 elevates 92:20 elevating 144:25 elevations 435:22 Elida 155:11,18 eligibility 79:9 eligible 435:24 eliminate 36:17 94:10 136:16 211:2 376:4 480:18 eliminated 309:18 382:24 eliminating 34:15 35:17,21 157:9 438:3,15 484:15	elites 297:15 Elizabeth 130:25 131:3 288:23 289:1 426:13,14,18 ELLIES 1:14 Ellison 204:20 215:12,13,14 ELPC 121:12 122:5 else's 355:1 409:15 elucidate 109:8 elucidates 404:14 embers 320:3 embrace 55:10 emergence 286:4 emergencies 143:12 468:3 emergency 25:8 37:15 44:21 52:20 59:18 161:19 169:9 171:22,24 172:2 177:17 184:14 190:4 190:14 251:12 283:3 306:12 321:19 353:16 386:7 416:13 427:11 452:12 487:11 emerging 43:11 462:19 emeritus 388:1 emission 3:25 39:11 41:19 43:5,9 47:16 75:13 88:4 93:5 108:4 113:20 134:25 136:16 162:18 167:4 173:21 173:24 180:13 180:18 199:6 201:3 209:10

211:3 212:22	129:9 130:15	338:4,5,14,15	emitting 70:6	417:25 452:25
235:3 245:17	131:8 134:18	338:20,23	Emma 194:24	453:14 468:16
250:6 251:21	135:4 138:11	339:12 342:3	194:25	472:1
252:18 254:2	142:14 144:12	344:6,14 345:3	emotionally	endangered
254:16 257:6	146:9 147:9	346:9 347:9	30:12	15:24 243:21
274:5 276:13	148:18 156:9	349:13 350:12	emphasize 69:22	262:2 377:8
302:11 303:23	156:13,17	351:1,19	210:12	393:22
329:9 337:22	157:8,10,13	354:12 358:18	empirical	endangering
340:18 342:7	158:13 161:1	372:6 375:13	194:15	131:10 240:2
342:25 343:7,9	161:17,22	377:7 380:24	employee 412:4	289:11 296:5
343:14,18	164:3 167:24	385:22,23	employees 249:6	348:12 410:16
350:1 354:20	168:11,15,17	386:16 389:21	412:5	411:23 412:12
372:3 375:25	169:18 173:16	400:11,25	empower 310:20	endangerment
386:9 387:24	181:11 182:11	401:17 402:12	empowers 257:9	1:5 2:7 3:24
410:10 422:14	183:21 184:3,7	405:11 413:22	enable 373:7	4:3,5 5:2,4
425:3,6 455:2	186:10 188:12	417:25 420:5,6	enabled 260:3	6:14 15:5,23
459:18 462:16	188:19 189:7	421:25 422:19	305:9 459:22	16:10,15 17:7
463:6,18,23	191:15 196:8	423:17 424:22	enables 272:3	19:8,25 20:16
464:1 470:11	198:6 199:11	425:8,25 427:1	enabling 43:6	23:4 24:3,19
484:15 497:15	205:8 206:16	427:5 429:21	182:12 460:20	26:8,15 29:12
emissions 4:7,11	208:13,16,22	433:1 434:12	enacted 101:7	30:15 31:1,2,7
4:18 21:8	208:24 209:2	435:15,15	109:17,25	31:15 32:5,7
24:21 27:16,19	210:15,22,25	437:17 438:4	424:25	34:16,20 35:15
27:20,21 28:3	211:10,15,24	438:16,20,23	Enacting 161:3	35:21 36:1,20
28:6,12,24	216:4,14	439:4,9,12	encounter 159:8	37:13,20 38:24
29:13 31:16	218:11,14	445:10,15	encourage 11:25	39:10,23 41:1
36:16 39:1	226:14 227:15	452:20 453:5,8	58:21 83:5	41:4,18 44:18
40:2 42:22,23	230:6 232:2,14	453:13 456:11	89:18 158:14	44:24 50:7
43:1,19 47:20	232:17 234:8,8	460:4 463:4,16	283:24 364:22	51:16 52:6
48:1,4,9 51:1	235:14 237:1	467:22 469:13	465:7	53:10 55:5,11
51:15 54:17	245:6,11,12,15	470:16 471:16	encouraging	56:20,20,25
55:6 61:23	250:5,8 251:7	472:4,6,15,24	436:15	57:10 60:5
62:2,9,10,14	251:15 253:1	473:2 479:18	endanger 35:13	62:15 63:6
70:9,18,22	253:12 254:1	491:18	40:3 46:13	66:1,4,13,21
71:4 72:9	257:4 263:16	emit 28:2 42:20	66:6 68:19	69:12 71:10
73:10 75:2,23	263:19 264:22	167:22 232:4	94:15 97:11	72:7,14 73:22
80:2,7,13,15	268:17,18	338:15 385:24	121:18 148:11	78:22 81:7
81:25 82:20	269:10 277:23	427:24 434:2	161:6 164:7	82:19 84:12
84:22 85:22	278:4 281:8,11	emits 102:20	175:22 198:13	89:4 91:25
87:2,12 88:15	281:14 282:19	138:25	200:12 205:9	93:15 94:6,9
89:10 92:4,17	283:13 289:11	emitted 54:15	206:17 210:16	97:10 99:18,25
93:16 94:11,13	296:9 302:17	73:5 77:10	210:22 211:1	100:24 101:7
97:8,11 98:5	303:9 304:5	162:2 232:25	211:12 215:19	104:12 105:5
98:10,18	305:10 311:18	233:4 264:9	218:15 238:17	105:18 106:6
102:22,23	311:24 312:11	326:10 423:4	240:19 244:14	106:15 107:18
109:5,20 110:4	312:23 321:8	471:1 474:10	268:18 307:22	110:15 111:7
110:12,18,20	321:15 322:4	emitter 79:24	346:10 352:23	113:21 114:8
116:4 118:11	322:23 333:21	emitters 401:24	353:22 372:6	115:17 116:22
125:6 128:19	333:22 334:23	459:24	381:8 384:20	117:1 118:8

119:9 121:20	249:12 250:4	368:1 369:6	495:18 496:21	444:23,24
122:16 124:3	251:20 252:14	372:2 374:8	497:14 500:18	445:5 448:13
124:21 125:16	252:17 254:15	376:2,11,23	501:3	448:14,25
125:25 126:22	256:25 257:17	377:5 378:11	endangers 44:22	449:10,10,13
128:17 130:13	258:25 259:16	378:17 380:1	105:7 211:25	449:17 460:13
130:22 131:7	262:9,22	380:15 381:1	223:17 226:9	460:16 469:12
132:20 133:5	264:24 265:3	382:3,7,24	229:3 257:10	477:20 478:1
134:7,10	268:13,23,25	384:6,17,19	320:18 351:2	496:3
135:20 136:14	269:22 270:5	388:15 389:20	382:4 453:7	Energy's 65:10
137:21 138:6,9	271:24 272:22	390:3,11,22	475:20 481:17	394:17 493:13
140:8,12 141:2	274:4 276:12	392:7 393:5	483:1 495:2	enforce 54:7
142:23 143:8	277:15 279:14	394:8 395:19	ended 32:18	354:20 425:14
146:7 147:1,7	280:2,12,18	397:14 398:19	endocrinologist	enforcement
147:12 148:6,8	281:12,20	399:19 400:1	466:21	28:20 257:5
149:23 150:13	282:1,15	402:5,11	endometrial	enforcing 11:8
151:20 152:8	283:18 284:12	404:23 405:8	420:13	203:11 222:21
152:22 155:9	285:5,10	408:7 410:12	endorse 223:19	318:12 408:24
156:19 158:15	286:19 288:2,5	412:11 413:7	endorsed 68:20	engage 252:10
160:1,15 161:9	288:15 289:13	413:13,25	156:1	engagement
162:8,17 164:4	289:20 291:3	414:15 415:7	endure 22:19	71:24 231:19
164:16 167:3	293:16 294:7	417:4,23 419:6	353:8 476:11	360:1
171:15 172:20	296:4 299:22	419:18 421:5	endured 255:21	engine 4:15,18
175:15,19	300:16 301:22	422:12,15	441:8	28:10 58:25
179:17 180:2	302:11,14	423:15,25	energy 5:12	341:22
183:11 185:11	303:22 304:21	426:22 428:11	19:22 36:8	engineer 197:25
186:5,8,16	305:25 306:24	431:16 432:8	41:8,10 42:2	388:10
189:23,25	307:4,18 308:6	432:23 434:17	57:16,16,24	engineering
192:18 195:5,6	309:6,16	434:25 435:4	65:11 74:19,23	19:12,19 26:20
198:3 199:5,20	310:19 311:14	436:25 437:2	83:2,4 84:23	155:23
201:19 202:15	312:14 316:1	440:22 444:2	90:11,15 104:7	Engineers
205:14 206:10	316:24 317:19	445:8 447:13	107:7 109:12	435:21
206:14 207:1	320:20 321:8	450:10,16	124:12 149:17	engines 4:1,8,14
207:19 208:21	327:18 329:15	451:7,9,9,15	166:1 178:2,4	27:23 144:11
213:5,14 216:2	330:10 334:9	451:20 452:17	178:4,24 179:1	245:9,11 274:6
217:1 218:25	334:22 335:15	453:10 454:15	179:2 208:19	276:14 337:23
219:4 220:5	335:21 337:20	455:1 456:9	212:3 218:3	427:1 452:21
223:15,16	338:16 339:24	457:2 459:5,17	228:18,20	England 53:19
225:11 226:6,7	342:24 344:23	459:19 460:8	230:14 246:17	323:21 371:25
226:11 228:24	345:1 346:16	462:15 463:11	248:16 283:20	403:1
230:19 233:17	346:22 347:7	465:8 466:19	284:20 289:21	engulfed 269:15
234:5 235:2,18	349:11,25	466:25 468:20	291:14 294:21	enhanced 18:16
236:9,14	350:7,8 351:23	470:10,12	296:3 308:13	18:24 468:12
237:24 238:13	352:2,6,18	473:6 475:17	314:3,4,6	enjoy 113:1
238:15 240:15	354:19 355:18	477:25 478:16	340:15 343:5	240:11 333:8
240:17 242:4	356:20 357:20	479:24 480:18	348:11 350:17	370:17 400:2
242:22 243:20	359:2,8 360:3	482:11,23	376:2 378:23	enjoyable 89:11
243:22,23	361:19 362:6	485:4 488:14	420:1 421:24	enjoying 34:12
244:13 246:19	363:11 364:23	491:6 492:19	425:11,12	enjoyment
247:10 248:20	365:17 367:9	493:11 495:7	435:11 438:24	410:22

enormous	113:18 114:5	155:25 159:22	45:18,23 46:12	173:14,21
320:10 328:14	120:20 122:13	163:5,17	46:20 47:1,15	179:15 180:3
402:3	130:20 134:13	176:15 177:7	47:18 48:11	181:7 182:2,15
enormously	136:19 139:23	181:19 209:23	51:4,6,22 54:9	183:7,9,18
167:14	141:1 159:25	215:16 216:19	54:18 57:5	184:8 186:15
enrich 457:11	161:5 167:17	220:2 224:3	58:18,20,23	196:3,13
enrolled 150:16	177:13 187:18	225:4,13 236:2	59:2,5,9,13	197:15 199:9
ensue 298:8	199:22 208:9	236:8 244:9,11	61:6,19 64:1	199:19,21
ensure 8:10	220:8 222:18	245:25 248:19	64:23 66:7,18	200:9,11
11:10 46:19	228:21 230:12	252:12 254:23	68:17 72:6,13	201:17,24
203:14 312:17	233:9 237:18	255:10 256:16	73:8 74:16	202:20 205:13
318:15 354:21	252:11,21	257:12 281:23	76:8,16 77:25	206:15,19,21
361:7 382:17	254:4 260:19	284:6 286:17	81:6,10,12	206:24 207:21
384:8 409:2	260:21 261:20	294:9 304:4,18	82:25 87:19	208:23,25
427:1 478:2	265:6 269:2	305:14 311:21	91:25 92:25	209:9 210:20
481:6	282:13 288:1	321:16 323:16	93:13,16 94:5	210:21,23
ensures 160:2	288:19 294:13	324:20 333:24	94:10 97:14,16	211:8,11,16,20
302:15	300:2 305:15	334:4,19	98:14,22,25	212:1,7,18
ensuring 85:2	335:18,20	352:16 354:19	99:5,21 101:1	215:23 216:2
133:22 163:18	338:25 346:20	355:12,16	101:4 106:10	218:13,17
ENT 213:23	352:1 376:9	367:21 379:6	107:10,16	220:6 222:12
entails 197:4	381:18 382:16	382:15 384:8	108:2 109:18	222:20,22
enter 312:5	386:21 392:5	388:10,13,19	109:21 110:16	225:15 228:22
490:2	394:21,25	419:14,22	110:19 111:7	233:7 236:11
enters 487:13	395:13 402:10	428:19 435:9	112:3 115:2	237:21 238:1
entire 18:11	410:16 412:13	445:2 462:21	117:1 118:10	238:18 240:20
30:7,14 73:8	412:15 413:11	468:21 471:14	119:7 121:14	243:19,22
123:18 157:17	423:7 428:23	500:17	121:15,22	246:2 247:9
162:4 171:22	429:5,9,10	environmenta...	122:22,25	250:3 251:20
206:2 227:23	434:15 436:9	16:12 247:7	123:13,14	252:16,19,25
242:25 257:20	439:16 442:9	environments	124:24 125:15	254:14 259:10
298:23 299:5	455:4 460:23	60:12 173:11	125:23 126:3,4	259:16,21
322:14	477:24 482:8	231:21 396:1	126:16 127:24	260:15,17,22
entirely 170:19	489:19 492:4	429:23	128:1,9 130:18	262:21 264:7
193:19 247:18	499:8	EPA 1:4,11 2:5	133:2 134:7	264:20 267:7
473:22	environmental	3:18,19 4:8	135:19 136:9	267:24 268:12
entirety 49:12	2:4 3:3 16:23	5:19 6:23 7:10	137:19 138:6	272:4,6,11,22
entitled 187:21	34:4,19 37:10	7:24 8:25 9:6	140:2,11 147:8	274:8 280:1,11
entrusting	39:8 42:3 43:8	9:19 13:12	149:22 151:10	284:10 285:3
110:15	52:18 54:7	15:4,7,16 16:9	152:22 153:4	286:6 287:25
entry 112:18	71:21,24 92:23	16:14 19:24	154:21 156:19	288:13 289:13
environment	102:9 105:22	20:25 21:14	158:2,14,25	291:3 294:2
5:10 15:8,16	105:24 107:21	27:5,12,15,20	159:24 161:4	295:6 297:6,12
17:4 32:9	107:21 111:20	28:17,20 30:15	161:16,24	298:19 299:8
57:25 58:11	117:4 119:21	31:14,15,21	162:15 164:10	299:22 301:14
66:2,9 68:16	120:18 121:11	34:16 37:20	165:7 168:13	303:21 304:3
84:16,21 85:6	123:25 124:1	38:24 40:23,25	169:20 170:24	304:21 305:16
85:20 107:8	135:15 149:19	41:17,18 43:4	171:14 172:12	306:21 307:3
109:13 112:6	149:21 155:23	44:8,9,18 45:1	172:16,22,25	307:16 309:5

312:14 313:17	477:6,14,22	237:20 238:12	epa.gov 329:2	125:4 137:8
314:25 315:3	478:4 480:13	240:14 242:21	EPAPublicHe...	285:19 297:19
317:4,23	481:6 482:10	248:1 252:25	12:18 13:9	escalate 310:3
322:22 323:13	485:9 486:11	254:3 256:24	epicenter 156:5	escalating 208:9
324:18,20	487:25 489:2	257:16 258:25	epidemics 16:7	escape 144:12
329:16 334:4,7	490:4,16	274:3 276:11	epidemiology	239:3 258:22
336:3,22	491:24 492:18	284:7 285:6,22	214:7	261:18 326:20
337:19 343:9	493:20 494:24	286:18 296:21	episodes 142:8	especially 17:9
343:18 344:11	495:6 496:24	296:25 297:11	198:21 387:19	20:13 30:9
344:22 346:16	498:13 499:3,7	297:21 302:10	epitomized	37:25 53:6
346:21 350:4	499:13 500:5	305:7 311:14	53:24	54:1 61:17
350:10 352:6	501:2	317:17 329:6	Epstein 63:18	62:17 94:20
353:20,21	EPA's 3:10,13	330:20 334:1	Epstein's 63:23	102:18 103:16
354:16 365:16	5:9 8:13 15:22	335:17 341:14	equally 148:18	115:9 129:20
367:8 368:4	17:2,2,8 29:11	342:6 344:23	351:14 385:8	146:17 158:18
370:12 371:5	35:17 37:12	345:2 346:13	equation 27:12	159:13 172:5
372:5 373:11	39:9 40:14	346:24 347:8	equipment	174:13 186:19
373:12 375:24	42:10 52:5	351:25 357:20	180:20	190:6 217:10
381:10 384:5	53:9 59:18	358:25 359:10	equipped 351:22	222:4 237:12
386:20 387:1	74:14 84:11	360:2 363:10	equitable 247:16	250:17 256:10
388:6 390:10	86:4 98:7	369:20 372:1	395:15	257:11 271:21
390:21 393:18	99:17 100:3,19	372:11,18,20	equity 133:13	286:5 300:6
394:13 395:17	101:6,10,18,25	373:9,16,19,21	356:25	311:17 312:9
396:15 398:8	105:4 110:2	382:2,23 384:4	equivalent 73:6	337:2 348:10
402:9 405:5	116:21 118:7	384:16,19	162:3	356:9 388:4
407:9,17	124:2,20 125:3	385:20 392:4	ER 32:24 292:4	415:14 419:2
408:12 412:14	126:15 128:18	393:5 397:14	292:6 326:25	423:11 455:18
413:1,21	130:14 131:6	408:5 413:7	358:14 364:12	468:1 491:19
414:13 415:6	134:11,17	419:18 423:9	era 492:23	essential 86:9,23
417:4 421:5	136:17,24	423:24 424:4	Eradicate 19:14	87:16 140:8
425:13,24	137:4 138:10	425:20 426:3	erase 111:1,18	149:14 177:4
426:21,25	146:8 148:5	431:22 432:25	336:4 356:21	232:8 262:22
431:15 432:8	150:11 167:2	435:12 438:21	erases 481:17	274:9,15 276:7
434:14 437:15	167:15 170:4	442:7 445:7,13	Eric 284:3,5	310:24 316:14
437:20 439:13	170:20 172:13	447:12 449:21	485:21 486:1	359:9 365:20
439:17,19	176:15 180:24	455:6 459:16	Erika 482:16,19	385:6 446:1
440:11,16,19	184:2 185:10	463:20,24	Erin 24:11,12	492:21
440:21 442:5	191:14 195:4	475:20 478:15	139:18 398:5,8	Essentially
443:25 444:12	198:2 199:17	480:17 481:11	erodes 194:12	498:15
444:17 446:12	202:13 205:6	488:12 491:5	311:2	essentials 366:12
446:17 452:18	206:13 207:18	493:10 495:18	eroding 489:8	establish 176:4
457:1 458:20	208:10,17	496:21	erosion 428:21	established
460:6 461:13	209:16 210:14	EPA-HQ-OA...	435:19	43:16 86:2
462:4,10,14	211:1 216:25	8:16 11:15	errand 247:19	128:22 168:16
464:2,8 465:7	218:11 222:7	13:23 203:20	erratic 124:17	178:5 282:17
465:21 466:2	223:14 225:10	318:21 409:23	erroneously	304:22 305:6
468:16 471:19	226:5 230:3	500:25	48:11	305:17 306:1
471:23 472:24	231:15 232:3	EPA-HQ-OA...	error 127:14	391:18 413:14
473:12,16	233:17 234:10	1:7	errors 47:10	467:2

establishes 453:8	evening 347:11 405:5 410:4	222:19 304:1 376:3 405:17	54:12 290:11 442:3	461:2,11 478:11
estate 85:7	414:23 426:17	everyone's 8:9	exacerbation 364:6	executives 245:25 259:6,8
esteemed 350:20	439:25 440:5	evidence 7:20	exacerbations 283:5 403:9	exempt 472:9
estimated 51:14 140:1 183:24 191:8 293:3 358:10 431:5,8 431:12 460:11 460:16 487:18	452:9 466:14 480:5 485:22 501:1	33:8 50:19 63:2 92:12 93:14 124:25 126:24 147:5 164:12 179:4 186:9 188:18 222:14 232:6 266:15 271:17 278:2 284:10 285:2,13 290:6 300:17 316:4 350:11 353:20 368:9 374:14 393:12,19 394:16,19 397:16,19,22 401:6 413:15 426:2 453:13 467:3 473:22 495:1,1	exact 17:7 328:14	exercise 224:13 224:16 385:5
estimates 221:4 419:25 464:3	event 33:25 132:5 253:22 369:21 405:24 415:22,24 431:11	evidence-based 92:22 487:7 488:15	exactly 288:1 481:3	exercises 261:12
Estrada 468:24 468:25 469:2 471:4	events 23:19 25:24 33:7,11 53:17 56:9 73:20 85:14 105:10 120:3,4 131:12 139:15 148:15 151:18 198:11 208:6 214:12,20 217:12 244:23 244:23,24,25 263:11 269:20 271:21 290:9 290:14 295:23 304:4 305:23 309:21 333:18 339:5 349:5 368:16,17 369:1,24 370:15 374:21 377:9 393:15 416:1 430:23 443:13 444:6 445:19 448:7 453:22 474:12 479:6,17 483:5 483:9 492:3 498:1	evil 57:9,9	exaggerations 331:8	exert 401:15
ethanol 57:19,23 58:7 59:3,21	EV 43:23,24 44:3 75:17 87:1,14,20 123:7 295:1 297:2 334:11 372:24 477:21	EVs 43:21 87:4 87:16,23 88:1 245:17 341:9 341:19 344:2 373:2,4	exam 363:21	exhaust 72:20 156:14 237:9
ethical 21:7 115:25	evacuate 228:5 301:9 383:7 418:11 443:1	evident 128:23	examined 122:6	exhausted 32:16
Eunice 63:13	evacuating 26:7	evidently 329:13	example 55:15 143:21 144:2 144:18 155:2 171:17 221:3 264:23 280:17 286:5 316:5 333:13 338:23 342:1 388:25 424:14 459:25	exhaustion 129:19 146:23 353:15
Europe 462:19	evaluate 220:10 418:15	EVs 43:21 87:4 87:16,23 88:1 245:17 341:9 341:19 344:2 373:2,4	examples 411:13 470:6	exhaustive 289:14
EV 43:23,24 44:3 75:17 87:1,14,20 123:7 295:1 297:2 334:11 372:24 477:21	evaluating 210:23	evidence-based 92:22 487:7 488:15	exceed 129:17	exist 137:6 151:10 154:23 209:3 372:21
evacuate 228:5 301:9 383:7 418:11 443:1	evaluating 210:23	evident 128:23	exceeded 169:2	existed 258:5
evacuating 26:7	Evangelical 71:21,22,24 72:4 102:9 187:2 236:6 367:21	evidently 329:13	Excellent 273:21	existence 383:6 410:23
evaluate 220:10 418:15	Evangelicals 235:24	evil 57:9,9	exception 129:2	existential 231:11 392:25 410:21
evaluating 210:23	Evangeline 302:3,6	EVs 43:21 87:4 87:16,23 88:1 245:17 341:9 341:19 344:2 373:2,4	exceptional 492:3	existing 48:20 59:16 109:22 123:6 181:22 350:9 403:9 431:21 446:8 446:13 468:10
Evangelical 71:21,22,24 72:4 102:9 187:2 236:6 367:21	eventually 322:12	EVs 43:21 87:4 87:16,23 88:1 245:17 341:9 341:19 344:2 373:2,4	excess 226:24 227:5 258:22 351:5 357:24	exists 186:8 373:7
Evangelicals 235:24	Everest 126:24	evidence-based 92:22 487:7 488:15	excessive 72:8 129:15 130:7 368:15 382:12 383:9 384:3	expand 6:21 137:18
Evangeline 302:3,6	Everglades 232:20 411:22	evident 128:23	exchange 246:1	expansion 298:6
evaporation 229:22	everybody 298:15	evidently 329:13	excluded 148:20	expect 34:16 82:3 281:21 330:24 401:18
evasion 401:20	everyday 36:23 107:22 145:20	evil 57:9,9	Excuse 270:10	expectancy 151:12
even-keeled 234:1		EVs 43:21 87:4 87:16,23 88:1 245:17 341:9 341:19 344:2 373:2,4	excuses 400:24	expected 13:16 109:4 129:17 131:24 139:18 209:11 254:10 328:11 340:23 453:4
		exacerbate 90:5 158:16 169:19 170:21 207:1 208:11 309:18 326:1	execute 47:2	expecting 23:11
		exacerbated 56:7 149:8 160:18 171:13 171:19 221:24 321:25 333:12 351:24	executive 5:7 157:18 228:17 259:12 267:10 268:2 330:5 343:4 357:12 371:22 376:17	

379:23	478:24	exported 181:16	extraction	305:20,22
expendable	experiencing	expose 40:6	374:16	306:6 308:2
336:20	23:18 82:17	72:18 237:7	extractive 313:3	309:20 310:17
expenditures	89:8 98:21	exposed 148:25	extraordinarily	326:21 328:12
293:5	108:12,25	163:19 364:2	117:6	333:18 339:5
expense 27:21	117:10 122:2	380:17 443:23	extraordinary	349:1 352:14
61:9 180:5	132:4 146:13	467:17	360:8	353:5 360:22
327:2	159:16 186:12	exposing 255:22	extreme 16:5	361:24 364:2
expenses 85:15	198:24 217:7	274:16	20:12 22:24	366:4 375:7
191:9 200:22	217:11 220:21	exposure 38:18	23:19 25:24	377:9 385:17
448:24	253:6,9 300:23	72:24 118:19	31:4,11 32:23	391:23 393:14
expensive 36:7	374:20 379:11	154:15 163:9	33:6,10,18	394:2 396:22
89:11 299:6	384:2 385:16	176:14 205:25	35:6,10 38:17	398:1 411:19
345:20 366:9	422:2 450:21	214:22 256:19	40:10 53:17	414:8 416:1
480:23	458:15 469:15	264:9 283:2	55:18 68:3	422:3 427:4,10
experience 13:3	478:21	293:4 311:24	72:9 73:20,25	430:23 431:10
35:10 53:23	expert 276:19	312:16 375:7	94:8 97:4 99:4	431:11 441:2,4
54:5,19 115:23	277:7 330:6	385:17 415:17	105:10 108:12	441:8,23 442:2
117:15,18,24	358:25 393:10	416:10 422:24	113:9 114:24	443:9,13,19
132:10 152:23	expertise 19:12	470:21 472:11	124:17 128:23	444:5,15
154:11 167:20	50:24 54:21	472:22	129:18 131:10	445:19 448:7
169:7 170:3	235:12 277:12	exposures	131:23 143:24	460:3,18 467:6
171:9 197:8,10	350:20 363:2	105:24 256:18	145:22 148:14	469:16 474:12
223:13 259:18	experts 15:10,12	361:23	148:15,23	476:12 479:2,6
309:25 354:17	55:8 62:6	express 24:17	149:11,15	483:2,9 498:4
366:18 370:18	108:21 118:15	37:11 76:17	151:18 159:11	499:4
371:15 382:21	268:25 327:24	116:21 167:1	159:17,21	extremely 50:12
382:25 398:24	363:15 416:6	223:14 302:9	163:9,24	110:23 156:7
400:15 428:24	expire 429:19	382:2 419:17	168:19 171:17	366:20
440:8 466:22	explained	454:24 459:15	171:18 185:16	extremes 127:3
479:12 484:3	178:19	497:12	186:13 196:7	185:15 286:25
experienced	explaining 321:6	expressing	198:10,11,25	ExxonMobil
29:21 53:20	explicit 15:7	187:13	199:1 201:6	489:11
90:25 95:4	explicitly 92:24	extended 46:16	205:25 208:6	eye 401:8
117:7,22	101:6 372:7	372:17 383:1	217:12 223:20	eyes 18:9 61:1
131:18 139:16	exploded 411:25	extension 294:8	223:23 224:4,7	93:12 114:19
208:3 214:18	exploitation	373:16	224:22 226:15	153:17 241:9
244:1 260:25	126:19 151:14	extensive 15:25	229:11 233:23	323:5 380:7
263:1 266:5	151:16	45:5 346:7	237:3 238:20	418:2 427:18
269:15 271:5	exploration 74:9	358:25	240:22 250:13	eyewitness
287:10 291:20	explore 89:18	extensively 53:4	251:1 253:18	223:19
295:20 301:7	explored 428:18	462:4	261:6,18 263:5	Ezrachi 265:10
303:7 316:8	explorer 234:11	extent 110:5	266:17 269:13	265:15,18,20
346:7 379:25	exploring 295:1	476:10	269:19,23,25	265:23 270:10
384:25 387:18	explosion 68:11	extinction 262:4	271:6,19,21	270:15,17,22
430:15,22	explosions	298:11	279:5 280:5,16	270:23
454:2	143:14,25	extra 143:22	290:9,14 293:3	
experiences	exponentially	347:16,19	295:14,17	<hr/> F <hr/>
301:17 303:25	295:24 477:17	441:8	302:16 304:4	F 255:18

Fabiola 365:2,5 365:13	123:21 126:7 128:11 130:24	299:12,17 302:1 304:9,13	464:25 466:12 466:16 468:23	75:17 factor 234:19
face 89:13 92:2 147:5 149:14	133:8 135:22 137:23 140:14	304:15 305:1,3 307:8 309:9	471:3,5 473:8 475:12 478:6	339:16 348:1 488:3
154:5 159:20 160:17 164:12	143:3 145:8 147:15 150:1,5	311:6 313:10 315:10 317:1,9	480:1,4 482:15 482:18 485:16	factored 27:12 factories 209:19
176:25 217:2 234:15 243:24	152:11,15 155:10,15	317:16,21 318:2 320:24	485:24 488:18 490:22,25	448:22 factors 148:21
256:21 328:11 334:18 336:15	158:6 160:6 162:10 164:19	322:25 325:9 325:13 327:8	492:25 493:3,6 495:8 497:3,8	facts 167:8 172:21 331:19
360:9,25 361:8 381:12 383:16	165:1 166:13 166:21 171:2	327:12 330:2 332:8,21 335:4	499:10 500:15 FACILITAT...	339:1 370:11 489:7
385:11 424:2 467:17 492:6	173:3 175:5 177:19,23	337:6 338:6,8 338:11 340:8	1:18 facilities 33:23	factual 100:22 137:8 475:19
faced 159:19 241:18	180:7 182:18 184:16,20	340:11 342:14 342:17 344:16	68:14 87:15 104:15 143:19	factually 86:6 faculty 71:25
faces 159:8 191:11 355:15	186:21 189:10 192:1,5 194:23	347:1 349:16 352:8 354:23	294:16 315:22 434:8	Fahrenheit 253:11
facet 410:16 facets 107:25	197:18,21 199:25 201:22	357:5 359:14 359:19,21	facility 68:9 224:19 264:1	fail 307:25 308:10 396:4
facilitate 500:6 facilitating 8:7	202:4,12,17,25 205:3 207:3,11	362:8,22 365:1 365:4,8,12	facing 39:18 119:6 146:2,17	failed 43:14 87:6 269:7
500:1 facilitator 2:3,9	210:5 212:25 215:11 219:13	367:15 369:12 371:19 373:23	163:7 195:17 255:14 323:21	299:7 failing 99:5
9:22 10:1 14:12,14 16:17	219:21 223:2,6 225:21 228:7	376:13 378:25 381:20 384:12	351:23 396:22 410:25 414:7	110:20 130:4 309:3
19:2 21:15,23 24:10 26:17	228:12,15 230:21 233:11	387:3,10 390:5 390:15,18	424:13 441:20 474:11 489:14	failings 47:12 fails 102:1
29:1 31:22 34:22 37:3	235:20 238:3 240:4 242:6,17	392:15 395:3,7 398:4 400:4	474:11 489:14 fact 35:23 48:7	285:21 341:8 failure 17:16
39:3 41:22 44:12 47:3	244:3,7 246:21 247:1 249:15	402:13 404:24 405:3 407:12	80:11 98:8 135:2 137:9	306:9,11 378:20 381:3
49:24 52:9 54:24 57:11	251:25 252:3 254:17 255:1,6	407:14,22 408:4,9,14	168:16 178:5 195:8 211:22	410:21 431:25 failures 494:13
59:25 62:19 64:24 65:5	257:13 259:23 260:2,4,7	412:16 414:17 417:6,12 419:8	234:9 264:8 278:1 286:22	fainting 353:14 fair 361:15
66:23 69:17 71:16 74:3	262:12,16 265:8,17,19	421:10 423:18 426:12 428:7	298:4 334:10 339:2,11	380:14 401:18 414:21
76:5 78:9 80:23 83:9,22	266:19 267:4 267:17,22	430:2,8 432:13 434:19 437:3	360:19 368:8 391:18 401:23	Fairfield 418:10 fairly 243:3
83:25 86:12 88:17 91:7	270:8,12,16,19 272:24 273:14	440:2 442:12 444:19 446:21	410:14 425:10 435:4 455:10	faith 102:10 422:7 469:7,25
93:18,23 96:10 96:15 99:10	273:17,21 276:17,23	449:25 450:4 451:21 454:17	457:9 458:23 471:15 487:2	470:8 faithful 236:1
102:3,6 104:19 106:20,25	277:5 279:19 280:6 282:3	456:19 459:6 461:17,22	490:12 fact-based 124:3	47:2 faithfully 45:19
111:22 112:8 113:25 116:14	284:2 286:9,13 288:22 291:9	462:6,9 464:11 464:16,20,23	124:8 fact-finding	47:2 faiths 421:19
119:10 121:7	293:18 296:12		324:9 facto 42:12	fall 249:9 251:17 365:25 466:5
				fallen 153:16

falling 319:16 394:1 411:18 449:9	153:18,25 159:12,13,15 159:20 172:16	311:23 fast 399:2 411:24	176:18 209:22 212:21 218:24 220:12 252:5	female 420:12 fence 72:25 fend 119:3
falls 249:10,10 258:11 380:11 473:4	225:5 243:17 249:1 261:1,9 261:10,15	faster 20:3 23:15 51:2 62:3 129:22 169:25	281:9 293:5,7 341:7 371:3 388:8 396:4,7	Feridun 434:20 434:21,22 ferocity 26:1
false 124:21 127:19 157:19 277:21 331:23	270:24 286:21 294:3 301:10 301:19 346:1	289:24 339:9 429:10 433:5 fastest 30:21	396:13 397:12 414:4 424:1 436:1 440:10	fertilization 494:8 fervent 297:22
families 23:9 24:6 29:24 31:14 40:20	347:4 360:16 361:13 362:25 374:5 385:2	425:9 434:9 fat 57:6 fatal 50:13	443:17 448:14 455:9,11 federally 313:20	fervently 320:20 fetuses 235:1 fewer 42:22,23
42:17 50:11 72:18 73:21 91:4 104:5	402:19 418:10 418:15 432:21 433:8 442:19	441:12 father 240:9 241:9 242:3	336:12 federation 42:7 406:14	79:20 120:17 163:8 358:14 386:6,6,7
106:14 119:23 120:6,16 128:19 130:16	444:11 448:6 458:18 466:22 475:25 476:21	357:13 392:24 447:8 fathom 465:23	feed 404:19 feeding 378:1 feedstock 434:7	fewest 120:7 fibrosis 138:14 fiction 55:8
131:10,15 147:4 163:18 163:19 185:23	484:10 497:20 498:25 family's 90:11	200:17 258:12 297:18 361:18 489:4	feel 148:4 202:7 217:25 224:11 228:8 266:9	101:19 fidelity 192:17 field 22:4 29:5
191:6 195:25 196:10 200:23 212:11 224:25	308:1 famines 278:9 278:13	138:24 favorable avored 75:5	271:10 317:11 324:24 332:13 407:15,24	150:7 165:20 182:10 223:13 247:15 344:21
237:7 238:20 239:16 240:22 241:5,20,24	famous 221:2 fans 367:6 Fantastic 485:25	469:10 Feeley 284:3,4,5 feeling 20:10	421:21 458:9 469:10 Feeley 284:3,4,5	365:7,15 391:16,18 432:16 459:22
255:22 265:25 271:1 282:20 283:7 301:24	far 16:3 50:9 63:5 83:4 169:14 186:1	fear 240:1 241:21 331:6 361:8 404:16	220:18 253:3 361:9 400:14 479:21,22	470:5 488:24 fields 31:9 67:10
306:20 307:16 336:12,20 345:4 349:2,8	194:18 239:20 263:15 266:7 271:8 321:5	446:3 fears 159:19 446:3	479:21,22 feelings 458:6 feels 238:11	229:17 327:24 353:6 fifth 61:25 194:2
353:16 356:16 359:5 361:7 365:20 367:5	348:24 350:19 354:10 410:24 449:12 478:23	181:18 464:2 feature 12:16 February 23:14	476:23 feels-like 154:11 feet 144:3,19	256:4 286:23 316:6 416:5 463:5
374:5 376:6 378:8 387:2 391:4 443:21	449:12 478:23 492:17 farm 81:4,22	fed 377:24 Feder 456:20,22	234:15,17 264:1 feigned 490:17	463:5 fight 98:3 195:18 196:3
468:6 469:19 478:12,18 family 15:21	253:20 353:6 443:14 farmer 81:1,17	456:23 federal 6:15 7:14 8:23 9:11	fell 153:13 211:4 fellow 136:2 185:3 382:16	196:13 197:15 241:13 301:2 315:24 327:25
17:22 22:11 24:9 29:17,23 30:7,14 32:1	443:14 farmers 221:3 221:10 229:13	20:19 61:15 64:2 86:23 94:21,24 118:2	456:24 474:25 felt 25:13,16 84:16 107:15	426:9 481:8 490:9 496:25 fighting 21:13
55:13,23 103:7 103:12,18 117:10 118:13	229:23 250:23 279:1 494:22 farmlands 229:7	119:17 121:4 121:10 124:10 125:18 128:14	241:11 302:25 468:7 FEMA 118:3	21:14 171:12 335:13 355:12 399:20 fight 98:3
131:5 138:16	farms 131:19 135:7 212:17	149:21 158:1 168:10 170:18		484:9

figuratively 249:3	475:7 484:2,17 484:19	137:21 138:7,9 140:8,12 141:2	269:23 270:5 271:24 272:23	381:1,9 382:3 382:7,24 384:6
figure 155:5	finding 1:5 2:7	142:23 143:8	274:4 276:12	384:17,19
figured 27:7	3:24 4:3,6,8	146:7 147:7,12	277:15 279:14	388:15,21
filed 353:13	5:3,4 6:14 15:5	148:7,8 149:23	280:2,13,18	389:20 390:3
460:25	15:23 16:10,15	150:13 151:20	281:13,20	390:11,22
fill 308:20 483:6	17:7 19:8 20:1	152:9,22 155:9	282:2,15	392:7 393:5,6
filled 241:4	20:16 23:4	156:19 160:15	283:18 284:12	394:8 395:20
285:18 476:5	24:3,19 26:8	161:9 162:8,17	285:5,11	397:14 398:19
filling 452:13	26:15 29:12	164:5,8,16	286:19 288:2,5	399:19 400:2
483:20	30:15 31:1,2,8	167:3 171:15	288:7,15	402:6,11
film 103:21	31:15 32:5,8	172:20 175:15	289:13,20	404:23 405:8
filming 475:6	34:16,20 35:16	175:19 179:17	291:3 293:16	408:7 410:12
filters 483:25	35:21 36:1,20	179:19 180:3	294:7 296:4	412:12 413:7
FIMP 436:6,13	36:25 37:13,20	186:5,8,16	299:23 300:16	413:13,18
436:18	38:24 39:10,24	189:23,25	301:22 302:11	414:1,15 415:7
final 5:22 340:22	41:1,4,19	198:3 199:5,20	302:14 303:22	417:5,23 419:6
341:20	44:18,24 50:7	200:13 201:19	304:21 305:25	419:19 421:5
finalize 59:14,15	51:16 52:6	202:15 205:8	306:24 307:4	422:13,15
182:15 186:18	53:10 55:5,11	205:14 206:10	307:18,19	423:15,25
finalized 4:14	56:20,20 57:1	206:14 207:1	308:6 309:6	426:22 428:11
46:9 49:2	57:3,10 60:5	207:19 208:21	311:14 312:14	432:9,23
183:10 264:21	62:15 63:6	210:14 211:2	316:1,2,25	434:17,25
463:20	66:1,5,14,21	213:6,14	317:19 320:20	435:4 436:25
finalizes 462:14	68:20 69:12	215:20 216:2	327:18 329:15	440:22 444:2
finalizing 7:6	71:10 72:7,14	216:11 217:1	330:10 334:9	446:14 447:13
finally 9:6 46:25	78:22 81:7	218:25 219:5	334:23 335:16	450:10,16
59:17 64:18,22	82:20 84:12	220:5,9 223:15	335:21 336:18	451:7,10,15,20
101:13 154:24	89:5 91:25	223:16 225:12	337:20 338:17	452:17,18,22
194:19 201:11	92:13 93:15	226:6,7,11	339:24 342:24	453:11 454:15
209:8 251:6	94:9 97:10	228:24 229:1	344:23 345:1	455:1 456:9
264:20 275:17	99:18,22,24	230:3,19	345:14 346:16	457:2 459:5,17
285:18 298:21	100:3,24 101:7	233:18 234:5	346:22 347:7	459:19 460:8
312:24 436:16	104:12 105:5	235:2,18 236:9	349:11,25	462:15 463:11
490:15 492:7	105:18 106:6	236:14 237:24	350:7,8,14	465:8,21 466:8
finance 86:20	106:16 107:18	238:13,15	351:24 352:2,7	466:19,25
200:18 311:10	108:2,9 110:15	240:2,15,17	352:18 354:20	467:4,9 468:21
finances 293:1	111:7 113:21	242:4,22	355:18 356:21	470:10,13
financial 34:8	114:8 115:18	243:20,23,23	357:20 359:8	473:6,15
200:6 283:6	116:22 117:1	246:20 247:10	360:3 361:19	475:17,18
369:2 489:25	118:8 119:9	248:20 249:13	362:7 363:11	477:25 478:17
489:25	121:20 122:16	250:4 251:20	364:24 365:17	479:24 480:18
financially 209:8	124:4,21	252:14,17	367:9 368:2	482:11,23
327:5	125:16,25	254:15 256:25	369:6 372:2	485:4 488:15
find 12:8 22:16	126:22 128:17	257:17 259:1,3	373:13,16	491:6 492:19
74:1 104:13	130:13,22	259:17,21	374:8 376:2,11	493:11 495:7
153:25 197:16	131:7 132:20	262:9,22	376:23 377:5	497:14 500:19
294:11 371:9	133:6 134:7,10	264:24 265:3	378:11,18	501:3
437:23 461:12	135:20 136:14	268:13,24,25	380:2,5,15	findings 79:12

86:5 97:23	143:14,25	fishing 476:18	Flight 165:4	208:1 226:16
147:2 158:15	208:4 241:18	Fiske 1:25	flimsy 127:14	239:15 241:19
160:1 179:15	257:19 258:2,2	fit 75:11	Flinch 450:1,2,5	295:19 305:23
183:11 185:11	258:4,6,7,13	fitting 15:6	450:6	306:14 316:10
194:1 195:5,6	279:6 295:16	five 59:13 91:18	Flint 104:25	320:10 323:22
244:14 290:21	295:17 301:2	127:14 129:22	105:21 256:17	323:23 351:10
309:16,18	305:23 306:15	150:17 174:16	flood 26:5 56:16	375:9 378:14
310:19 359:2	320:10 326:12	217:18 257:20	91:6 115:14	379:11 391:21
368:7 397:20	326:12 333:7	281:14 284:18	117:7 131:12	399:16 400:16
426:3 431:16	370:7 378:14	350:18 379:20	132:4 144:3,19	401:9 443:9
437:2 445:8	399:16 400:16	386:10 394:17	163:24 169:2	457:18 465:18
488:13 495:18	418:5 422:5	441:11 454:6,7	217:4 236:24	497:25
496:21	443:9 454:7,9	496:5	253:22 295:22	Florence 305:13
finds 354:11	457:18 465:17	fixed 327:5	319:22 415:21	Florida 14:18,23
441:14	476:20 483:5	FL 1:25	435:25	55:16 56:14
fine 39:15 56:3	486:25 491:15	flag 79:22	flooded 114:21	120:3 152:21
259:10 275:22	497:25	flames 257:21	212:16 405:21	154:8 160:12
275:25 279:13	firmly 288:10	flammable	flooding 20:9	160:14,17
311:19,25	397:15 495:17	144:4	23:13 33:15,22	411:20
385:25 405:5	496:19	flare 143:19	90:21,25 91:2	Floridian 55:3
finished 6:23	first 14:5 27:17	flared 308:18	96:24 100:10	flourishing
Finnegan 21:17	47:18 59:5	flares 141:19	105:11 108:13	237:19
21:21,24 22:2	63:13 74:16	flash 26:5 56:16	127:11 130:8	flu 174:12
fire 82:15	94:18 99:20	120:1 159:17	131:14,18,22	fluctuate 476:4
165:19 185:22	117:3 125:4	214:16 236:24	132:14 169:23	fluctuated 275:6
205:16 242:21	129:4 145:21	374:24 383:17	170:3 185:17	fluids 155:5
243:5,10,13	165:10,16	flawed 82:21	196:12 198:17	fly 243:14
301:9 302:22	170:23 180:1	99:17 100:21	214:16 220:23	focus 31:12
303:1,4 319:25	186:17 187:20	101:25 137:9	230:1 251:10	79:17 154:6
320:5 370:10	211:7 247:22	170:20 212:2	253:18,22	192:14 200:18
399:13 406:5	247:23 249:17	286:6 425:21	261:6 263:4	260:24 321:9
407:3 418:16	250:12 255:14	493:15	321:24 322:11	321:10 339:1
418:18 436:2	278:13 302:19	flaws 211:6	333:17 336:13	343:1 350:6
442:17,22,25	306:22 315:16	fled 257:25	349:3 360:22	389:15 466:23
443:3,11	336:1 345:9	320:3 360:21	374:24,25	493:19
476:16,23,24	355:24 356:7	flee 55:24	383:17 385:15	focused 21:14
477:1 483:18	366:16 367:1	483:23	391:2,4 399:15	26:21 44:1
483:23 484:4	372:4 376:10	fleet 48:8,17,21	411:4 415:23	148:1 284:8
492:8,15,23	378:1 399:12	49:5 58:22	428:21 435:18	285:15 334:3
497:12,20	403:20 410:3	88:15 341:5,15	448:9 474:12	445:3
498:5	416:3 436:11	fleets 41:15 44:1	479:3	focuses 84:15
firefighters	489:5	44:1 481:6	floodings 431:3	fold 205:23
55:24	firsthand 29:22	Fletcher 246:23	floods 25:24	folks 68:9 69:5
firefighting	67:9 81:17	246:24 247:2,3	77:1 97:5	89:19 271:7
243:14	119:22 133:20	flex 59:11	120:1 128:6	371:14 437:4
fires 25:24 55:23	353:2 374:21	flexibility 45:11	131:21 132:3	469:21
55:24 56:2	379:7	58:25 343:19	136:20 143:11	follow 45:19,20
115:16 128:6	fish 398:14	343:23	144:8,16	66:7,18 82:22
139:25 143:11	fishable 407:4	flies 92:2 424:2	159:17 198:12	194:14 213:19

328:1 332:5	492:2	formed 215:1	333:2 339:10	150:15 187:19
354:17 356:1	forces 308:5,9	former 37:15	339:11,15,17	196:18 217:20
364:15 485:10	449:20	63:18 369:15	348:11 358:19	227:2 261:20
followed 2:22	forcing 39:20	379:5 392:22	374:16 394:18	286:22 316:21
258:10 373:15	87:17 229:23	406:15 489:11	396:20 399:23	336:12 345:6
433:8 465:4	256:3 358:7	forming 161:14	418:21 433:22	358:18 375:17
following 159:3	478:25	491:18	449:12 457:8	383:20 406:12
182:2 303:2	Ford 334:11	forms 81:24	457:11,14,21	435:7,8 476:7
403:22 447:18	forefront 210:18	429:20	458:20 461:1,5	four-week 25:7
478:3	forego 358:8	forsaking 26:11	477:10 481:22	four-year-old
follows 58:19	foregoing 502:5	Fort 233:15	487:3 495:5,24	22:6
111:12	502:16	325:15	496:4,11,14	Fourier 178:6
fond 484:9	foreign 137:12	forth 69:7	fought 480:15	fourth 95:15
food 149:15	400:11,20	196:19	found 7:14	198:25 491:8
197:2 229:16	401:11	fortunate 225:5	23:13 32:15	fox 127:7 465:25
249:1 250:10	foremost 345:9	fortunately	49:2 50:25	fracked 67:13
250:23 274:11	foreseeable	153:17 403:13	61:19 68:17	433:23 434:6
274:14,17	217:9	fortune 349:8	70:21 95:9	489:10
278:15 305:21	forest 115:15	forum 7:4	131:23 139:10	fracking 489:12
331:17 360:23	169:10 258:4	392:11	161:16 167:12	489:17
361:21 375:10	370:1,6 400:16	forward 5:17,23	172:1 198:16	Frackland 67:7
411:16 494:14	406:16 457:17	44:9 45:22	232:11 235:13	67:8
494:21	486:25 491:4	51:12 59:23	245:16 300:19	fractions 401:2
foodborne	forested 319:25	75:18,21	345:13 346:8	fractured 144:7
290:16	Forester 491:3	153:14 158:25	366:15 384:19	fragmented
fool 18:21	forests 82:14,15	201:9 217:17	407:7 497:22	176:24
fool's 247:19	82:17 492:11	228:23 246:19	foundation 32:6	frail 419:1
fooled 18:25	forever 420:15	319:23 326:4	40:5 86:3	framework
foolish 330:25	forget 51:22	326:23 334:24	132:21 189:14	88:10 181:22
foot 206:11	185:25 239:7	370:4 380:14	191:23 240:20	187:16 305:18
Footie 63:13	241:9 429:15	414:20 424:6	267:14 268:6	336:6 380:13
footprint 315:22	forgive 225:22	453:1 481:5	305:7 307:13	463:8
Forbes 459:10	238:5 265:10	fossil 15:14,18	312:15,18	Frances 173:5,7
force 19:7 22:5	273:8 282:4	36:7,22 57:7	335:21 338:17	franchise 86:20
29:6 86:24	302:2 335:6	68:25 89:24	380:15 397:11	87:11
128:15 131:4	352:9 447:4	92:17 98:13	414:4	Francisco 52:23
138:3 140:20	461:19 497:4	104:1,3 126:20	Foundation's	261:25
143:7 145:17	form 55:9	135:7 139:13	66:11	Franklin 29:4
150:9 152:6	176:20 339:18	142:12 143:10	foundational	frankly 35:20
165:4 286:17	431:25	143:24 145:4	130:14 138:10	333:6 393:1
299:21 334:13	formal 5:2 7:19	161:1 165:25	146:8 216:11	394:4,18
344:22 347:6	486:8	166:5 178:19	345:2 347:8	446:13 451:14
359:25 360:6	formation	179:21 188:19	432:24	free 60:21 82:5
365:7,15	125:12 138:21	195:15 196:1	founded 260:17	115:11,13
432:17	141:14 198:17	223:1 234:11	267:13 268:5	183:1 202:7
forced 90:12	221:15 389:7	243:18 246:12	founder 89:2	228:8 302:16
263:11 298:8	486:23	248:17 263:16	founding 375:16	317:11 332:13
353:8 356:14	formations	292:9,13	four 24:25 59:9	407:15,24
385:3 434:6	27:22	319:13 329:2,3	67:17,18	freedom 31:18

75:9 115:10	355:24	74:12 88:12	funds 118:4	329:18 336:21
370:13,16,21	frontline 39:15	89:24 92:17	further 9:17	340:5 345:5
371:18	352:14	98:13 104:1,3	27:20 36:21	346:11 356:18
freight 41:15	frozen 266:22	126:20 139:13	47:13 51:13	357:2 359:10
480:9	frustration 30:7	142:12 143:11	59:7 108:8	361:7,15 362:3
frequencies	361:9	161:1 178:20	118:9 142:9	365:21 367:14
178:3	Fuchs 475:13,14	237:2 240:21	151:23,24	381:3,18 382:6
frequency 26:1	475:15	243:18 263:16	194:12 262:3	384:10 393:23
53:21 131:12	fuel 36:23 40:16	292:9,13 308:4	275:10 438:21	399:21 404:22
168:18 217:18	54:15 57:7	319:13 329:3	483:21 489:18	410:22 418:1
226:20 290:15	58:9,15,24	333:2 339:11	furthering	426:10,23
320:9 415:10	59:3,11,16	339:15,17	122:10	441:22 444:15
416:2 453:18	68:24,25 72:9	348:11 358:19	Furthermore	445:5 449:16
453:20	86:24 113:4	418:21 425:1	181:14 222:10	451:13 467:11
frequent 77:1	123:3,4 135:7	448:19 449:12	274:20 341:14	475:24 499:1
105:11 127:2	137:2 140:5	457:9 458:21	futile 401:1	futures 145:7
146:12 217:11	145:4 166:1,2	461:1	future 4:16 21:2	356:16 498:19
220:22 229:9	166:5 179:21	fulfill 17:8	24:7 36:24	
237:3 251:1	181:12 188:20	159:24 199:21	38:23 39:2	G
269:21 368:17	195:15 196:2	210:2 265:4	41:11 46:9	G 2:1
375:6 379:11	200:21 201:4	359:10 382:14	57:4 58:17	Gabrielle 116:15
416:11 430:19	223:1 234:11	394:14	61:17 74:23	116:19
431:18 479:17	246:12 248:17	fulfilling 5:11	75:20 78:3,7	gained 62:13
497:25	254:11 300:24	fulfills 481:7	80:21 83:2	gains 201:16
frequently	329:1,2 339:10	full 494:25	86:10 87:20	491:18
214:13 285:25	339:19 344:4,8	fully 76:2 108:25	97:13 105:8,17	Galileo 46:1
353:9	374:16 386:11	436:1 477:20	106:3,17	gallon 27:11
fresh 34:11	394:18 396:20	fulsome 107:13	113:22 115:6	254:8,8,9
166:10	399:23 414:2	fumes 395:22	120:17 121:3	297:14
freshman 465:5	424:25 431:25	427:19	129:8 130:9,11	Galpern 69:19
Freund 244:5,6	433:22 445:16	fun 56:12 344:9	130:17 132:20	69:20,21
244:8,9	445:23,25	371:15	132:25 136:10	games 287:4
Friday 499:22	457:11,14,21	function 190:13	136:13 140:12	gap 177:2 194:8
friend 347:14	461:5 476:15	functioning	152:8 155:20	396:12
friends 55:13	480:23 481:13	458:11	158:23 159:12	garbage 406:15
68:10 103:11	481:22 487:3	functions 107:10	160:2 188:9	gardens 406:19
117:10,14	491:14 492:10	Fund 286:17	189:5,8 197:13	479:4
118:13 159:20	495:5,24 496:4	fundamental	209:18 217:9	garter 261:25
172:17 219:3	496:11,14	47:21 110:10	219:11 223:18	gas 1:6 2:7 3:24
227:23 301:11	 fueled 24:21	125:4 229:2	230:20 238:11	3:25 4:3,5,11
346:1 385:3	72:16 143:24	fundamentally	238:17 239:18	4:12,18 6:14
390:25 448:6	196:12 236:13	136:17 170:20	239:21 248:16	17:6 27:23
476:22	319:9,25	192:13	262:25 270:3	29:13 31:16
frightening 61:8	477:10	funded 336:1	272:5,18,21	34:2 36:9 39:1
fringe 115:2	fueling 82:12	436:1 444:25	282:12,13,16	40:2 42:12
Fritz 274:1	377:7 413:22	463:12	283:24 294:10	43:21 44:19,21
frogs 261:24	fuels 15:14,18	funding 341:9	301:25 302:15	45:2 46:11
front 85:7	36:8 57:20,22	407:10 443:18	307:7 313:3	47:16 48:4,8
257:11 345:23	58:1,24 59:7,8	fundraiser 259:5	314:16 315:8	50:8,25 51:13

51:15 52:7	234:10 235:2	459:24 460:4	425:23 434:10	449:13
53:11 55:6,14	235:14 236:10	462:5,15	440:18,20	generational
56:8 60:5	237:1,23,24	471:16,16	446:15 450:12	249:4
61:23 62:1,8	238:14 239:10	472:15,23	453:17,18	generations
62:15 67:16,19	239:23 240:16	473:2 474:23	467:2 468:15	36:24 46:10
69:6 71:1 72:8	241:15 245:6	478:16 479:18	472:25 473:13	78:3 97:13
72:9 73:10,18	250:4,8,21	480:19 481:3	473:20 474:10	105:8 106:18
74:9 78:22	252:18 253:1	489:16 491:6	479:20 486:14	113:23 115:6
82:20 86:24	253:12 254:1	500:19 501:4	491:11	120:17 130:11
89:5,10 92:1,4	257:4 259:6,12	gases 15:13,25	gasoline 314:10	130:17 132:25
93:4,15 94:10	263:19 274:5	25:23 30:22	gasping 162:25	140:13 158:24
94:17 97:8,11	274:24,25	32:7 33:4	239:5	159:12 223:18
98:5,10,15	276:13 281:14	34:18 35:24	gate 165:24	269:9 270:3
102:21 104:15	282:15,18	37:22 60:23	gathering	286:22 307:7
109:5,19 110:4	284:12 289:10	61:3,20 66:6	363:15	328:1 329:19
110:12,18	294:16,17	70:6,10 76:24	GDP 399:9	337:4 340:5
113:3 114:9	297:13 301:22	77:11 82:22	460:12,14	345:5 346:11
115:18,24	307:17 308:18	92:19 101:9	gear 151:9	361:8 362:3
116:4 118:11	308:19 313:21	108:5 122:12	GEI 445:24	365:21 376:7
123:11 124:5	317:19 321:8	122:21 125:13	446:3	381:3 382:6
124:22,25	321:15 329:8	127:25 137:15	Geller 180:10,11	384:11 393:23
125:6,17 129:9	330:17 333:21	140:3 152:2	180:12	402:8 418:1
131:8 134:18	336:15 337:22	164:6 167:23	general 46:5	499:1
134:25 135:3	338:3,14	169:17 171:20	94:3 96:12,13	generators
136:11,14	339:18 340:18	173:15,19	96:17,20 99:12	165:21
137:10 140:4	342:7,24 343:6	175:22 183:5	99:13,15,16	Genesee 255:19
141:3 142:13	344:6,13	198:8 199:16	110:14 166:15	gentleman 32:14
142:14 148:17	346:22 349:13	200:10 215:18	166:17,19,22	gentleman's
153:4 154:2,5	350:12 351:19	222:10,16	166:24 204:14	32:25
154:12 157:8	352:18 355:18	238:16 240:19	204:19,20,25	Geographically
158:13 162:17	356:20 358:18	244:14 247:18	205:2,4,5	148:24
163:10 164:3	360:4 368:2,10	249:8 268:15	207:8,10,12,13	geologist 330:6
164:17 167:4	368:14,19,22	280:23 287:17	210:6,8,10	Geophysical
168:15,17	370:24 372:1,2	289:17 290:2	215:12,13,15	289:4 488:5
184:6 185:12	377:6 384:18	295:5 296:10	219:14,18,23	George 457:23
186:10 188:12	385:22 386:16	300:14 305:8	219:25 224:14	Georgia 147:24
188:19 191:15	398:22 400:10	306:17 310:16	General's	148:1,12
198:5 201:20	400:25 401:17	310:21 316:3	188:16	149:20 223:11
202:15 205:8	401:24 402:6	316:16,24	Generals 324:3	223:21 224:24
206:16 207:18	402:12 405:9	319:12 322:5	generate 420:2	447:9
208:16,24	405:11 408:7	329:4,4 338:18	487:1	getting 55:25
209:2 210:15	424:1 432:25	339:13,14	generates	89:14 100:12
210:22 211:3,9	433:19,23	341:2 384:3,20	181:13 487:3	115:12 136:21
211:15,24	434:2,3,7,12	386:4 388:21	generating	156:18,25
216:4 218:14	437:17 439:20	389:22 393:20	358:12	266:20 298:23
220:4,7 226:13	445:9 447:14	404:19 410:14	generation	345:1 347:20
227:14 228:25	450:15 452:17	413:16 416:20	40:21 59:7	427:25 441:15
229:2 230:6	452:19 453:13	416:23 417:2	218:8 294:21	441:18 445:24
233:18 234:7	455:22 457:3	418:22 420:7	301:24 402:8	GHG 19:8 43:9

75:12 85:18	70:4,9,16,20	10:2,7 14:9,14	314:20 315:3	383:10 390:1,1
136:16 137:20	70:25 76:9	19:13 21:18,25	321:9,10,19	395:5 398:17
181:20 182:4	77:22 80:8	31:6 51:11	322:13 326:4	400:6 403:25
208:22 340:21	84:22 89:9	67:2 76:15	334:19 335:18	405:5 410:4
340:22 341:20	90:3 92:20	89:16 145:13	347:12 412:20	414:23 421:22
462:16 463:4,5	109:1 121:24	186:25 202:1	456:15 457:9	423:21 426:17
463:15 464:1,5	128:20,21	223:8 224:15	457:14 458:20	427:21 439:25
GHGs 122:3	130:15 131:9	239:9 244:17	471:7	440:5 452:9
Ghosh 340:9,10	131:21 138:22	249:11 260:8	gold 398:25	461:23 466:14
340:12,13	139:13 145:23	265:17,21	428:17	469:11 475:7
GHQ 49:3	146:2,10	270:16 272:20	Goldbeck	480:5 485:22
GIANNELLI	150:24 156:23	280:25 281:19	307:10,11,12	501:1
1:16	182:7 187:15	283:15,15	Goldfuss 461:11	Goodman
giant 257:21	194:20 201:9	292:14 318:1	Gonzalez 335:6	454:19,20,21
320:5	209:21 229:16	321:16 322:20	335:7,9,11	goods 264:4
giants 246:12	278:16,21	326:3,23 327:4	good 2:3 3:2	376:3
Gibsonia 432:20	283:6,21	327:13 330:2	14:16 21:11	Gordon 104:23
gift 145:3	287:17 289:4	333:23 370:17	31:25 37:6	104:24,25
188:13,14	290:11 295:5	392:20 412:21	39:5 41:25	Gorenberg 55:1
189:3	300:14 308:16	417:10 440:5	44:14 50:2	55:2,3
Gill 133:9,11	316:2 328:17	467:20 471:9	56:24 60:2	gorgeous 269:4
give 5:14 11:3	328:20,23	473:17 484:5	69:20 71:18	gotten 35:7,11
46:17 56:22	339:4,8 345:3	498:25 499:1	74:5 78:12	121:21 185:22
58:25 67:8	345:16 346:3,9	500:13	80:25 83:19	260:20 263:23
264:25 297:24	366:5 401:2,25	goal 204:4 352:3	91:10 99:14	290:6 465:14
399:19 424:24	422:22 428:19	goals 343:20	104:13 107:3	Gould 52:10,11
452:7	432:1,12	God 28:25	112:11 119:12	52:11
given 8:4 17:16	434:12 438:20	102:16 187:16	123:23 131:2	government
25:6 27:15	438:22,23	188:1 189:3	133:10 135:25	42:19 65:20
147:7 151:25	453:19 460:1	367:22 369:7	137:25 138:15	94:24 118:2
188:22 264:18	463:14 465:5	God's 72:11,11	152:17 158:4,8	158:1 168:10
285:5 295:7	465:15 470:19	114:6 115:5,21	160:9 166:8,23	170:8,10,18
320:21 321:5	472:18 474:9	115:21 116:6,7	175:8 178:20	194:13 196:15
352:4 437:17	487:18 496:15	188:2	180:11 187:1	196:20 220:13
466:3	globally 19:20	God-given	187:18 200:4	252:6 254:24
gives 30:15	33:7 80:13	188:13	202:12 205:2,3	255:11 281:22
211:16 238:18	170:1 252:23	goes 20:9 48:25	205:4 207:10	289:3 310:20
312:14 413:20	254:6 289:12	266:2 271:3	207:11 210:9,9	316:14 331:18
giving 230:4	348:5 373:1	475:3	219:24 233:8	378:16 380:9
370:11	419:24 431:8	going 9:22,23	249:22 252:4	393:10 401:22
glaciers 339:4	463:3 487:20	21:13,18 35:22	254:19 262:17	436:15 443:17
411:6	globe 114:18	56:5 63:15	265:21 273:24	455:11 498:21
Glasser 192:2,3	115:23 123:19	69:10 82:24	277:17 283:11	government's
192:6,7	368:13 498:8	83:4 84:1 92:5	284:4 307:11	194:16 281:9
glimpse 441:21	Glover 495:9,11	104:20 115:3,4	311:8 322:24	298:19
glimpses 403:5	495:12	145:12 168:7	339:24 340:12	governments
glitch 421:11	Glustrom 62:21	193:8 196:3,13	342:18 355:6	124:11 341:11
global 53:4 62:3	62:22	202:5,6 204:16	367:17 369:14	Governor 94:19
65:16,18,22	go 7:17 9:23	239:18 266:22	371:21 376:4	489:15

Governors' 369:18	gray 239:1	6:14 15:12,25	173:15,19	340:18 341:1
Gowda 83:14	great 5:7 36:13	17:5 25:23	175:22 178:9	342:7,24 343:6
84:2,3,4,5	45:10 83:1,7	27:23 29:13	183:5 184:6	344:6,13
grade 117:3	94:24 96:18	30:21 31:16	185:11 186:10	346:22 349:13
graders 329:14	121:12 122:1,8	32:7 33:4 34:2	188:12,19	350:12 351:19
grades 130:4	123:18 124:19	34:18 35:24	191:15 198:5,8	352:18 355:18
244:21	166:23 174:18	37:21 38:25	199:16 200:10	356:20 358:18
graduate 184:24	197:3 219:25	40:2 42:12	201:20 202:15	360:4 368:2,10
grams 28:2,3,11	232:21 246:18	44:19,21 45:2	205:8 206:16	368:14,19,22
Grand 34:25	247:2 252:4	46:11 47:16	207:18 208:16	370:23 372:1,2
205:17 232:20	259:8 260:9	48:4,8 50:8,25	208:24 209:2	377:6 384:3,18
412:2,3	278:11 294:4	51:13,15 52:7	210:15,22	384:20 385:22
grandchild	332:19 349:24	53:11 55:6,14	211:3,9,15,23	386:4,16
21:11	359:20 390:19	56:8 60:5,22	215:18 216:4	388:21 389:22
grandchildren	439:13 484:2	61:3,20,23	218:14 220:4,7	393:20 398:21
15:21 61:5	488:4 496:23	62:1,8,15 70:6	222:9,16	400:10,25
316:21 339:23	great-grandch...	70:10 71:1	226:13 227:14	401:17,24
394:24 484:12	15:22	72:7,9 73:10	228:25 229:2	402:6,12
granddaughter	greater 38:14	73:18,22 76:23	230:6 233:18	404:19 405:9
61:5 104:2	40:7 58:25	77:10 78:21	234:7,10 235:2	405:10 408:7
225:3	95:17 98:9	82:20,22 86:24	235:14 236:10	410:14 413:16
grandfather	105:19 108:13	89:5,10 92:1,3	237:1,23,24	416:20,23
151:7,10	108:15 123:19	92:18 93:4,15	238:14,16	417:2 418:22
316:20 392:24	142:2 190:13	94:10,17 97:8	239:10,23	420:7 424:1
grandmother	221:18 226:3	97:11 98:5,9	240:16,18	425:23 432:25
60:25 300:3	290:15 309:4	98:15 101:9	241:15 244:14	433:18 434:3
grandpa 456:14	328:6 380:17	102:21 108:5	245:6 247:18	434:10,12
grandparent	416:11 439:18	109:5,19 110:4	249:8 250:4,7	437:16 439:20
213:7 497:11	467:24	110:12,18	250:21 252:17	440:18,20
grandparents	greatest 4:23	114:9 115:18	253:1,12 254:1	445:9 446:15
328:13	34:9 38:8	115:24 116:3	254:15 257:4	447:13 450:11
grandson	76:14 399:4	118:11 122:12	263:19 268:15	450:15 452:17
105:25 456:12	403:4	122:21 123:11	274:4,24,25	452:19 453:13
grandsons	greatly 50:13	124:5,22,25	275:3 276:12	453:17,17
442:20 444:10	54:6 59:17	125:6,13,17	280:23 282:15	455:22 457:3
grant 444:25	140:23 465:7	127:25 129:9	282:18 284:12	459:24 462:5
grass 326:12	green 18:24	131:7 134:18	287:17 289:10	462:15 467:2
399:3 411:21	26:20 56:24	134:25 135:3	289:17 290:2	468:15 471:16
grateful 3:6	247:4,24,25	136:14 137:14	300:14 301:22	472:15,23,25
207:14 321:4	252:8 253:14	140:3 141:3	305:8 306:17	473:2,13,20
348:22 392:7	295:4 323:19	142:14 148:17	307:17 310:16	474:10 478:16
gratification	324:2,5 367:4	152:2 153:4	310:21 313:21	479:18,19
269:24	385:13 399:3	154:2,5,12	316:3,16,24	480:18 481:3
grave 215:24	444:22,24	157:8 158:13	317:19 319:12	486:14 491:6
357:18	496:9,12	162:17 163:10	321:8,15 322:5	491:11 492:20
gravely 288:11	greener 88:9	164:3,6,17	329:4,4,8	500:19 501:4
gravest 298:13	greenhouse 1:6	167:4,23	333:21 337:22	greenhouses
gravity 292:8	2:7 3:24,25 4:3	168:15,17	338:3,14,18	173:1
	4:5,11,12,18	169:17 171:20	339:13,14	greening 274:21

274:22 331:16	369:3 425:9	289:5 336:14	307:24	harmed 53:3
GreenLatinos	434:10 446:9	422:25 424:3	happiness	207:25 489:23
335:12 336:7	493:18	433:24 441:7	266:11 271:13	harmful 17:9
greetings 64:23	grown 126:24	454:8 456:5	happy 182:17	25:9 45:1
323:13	164:5 181:17	458:9 470:22	233:23 262:5	58:13 120:22
Gregory 329:23	222:13 300:17	hall 77:19	hard 22:11 30:9	122:25 138:21
330:4	467:3 495:3	184:17,18,22	60:20 153:9	147:9 151:22
grew 19:10	grows 128:24	184:24	271:21 348:5	159:1 163:12
23:10 114:11	194:18 491:23	Halpin 319:3,4,5	366:11,13	170:11 176:3,8
133:15 151:7	growth 57:16,16	halted 80:12	391:8 430:11	183:21 184:11
192:7 476:1	190:12 250:19	Hamilton	436:10,21	197:9 211:18
grid 90:15,18	333:17 406:25	112:10,11,13	harder 89:10	222:1 225:11
448:16,18	425:12 449:16	Hammond	129:23 135:13	277:25 281:4
grids 314:17	449:17 494:1	437:10,11,12	185:22 221:9	370:25 386:4
grizzly 411:15	guaranteed	438:13	301:1 397:7	391:12 396:4
grocery 113:3	186:3	Hampshire 22:4	427:20	397:6 413:8,10
grossly 127:22	guarantees	23:10 456:23	hardest 396:16	434:3 449:22
ground 76:22	112:25	hand 47:25	hardship 469:23	472:8 494:19
141:14 230:18	Guard 486:7	111:10 332:15	hardwired	harming 29:15
424:8 442:24	guide 54:21	handful 100:20	429:22	34:4 35:25
486:24	79:15	285:8	Hardy 384:13	36:14 53:12
grounded	guided 135:14	handing 308:22	384:14,15	100:9 141:22
413:14 477:3	256:5 305:13	Handler 242:15	harm 36:2,3	183:6 212:11
grounds 356:2	Guillermo 480:2	242:16,18,19	40:7 64:4 99:8	238:20 301:20
356:14	480:6	handpicked	128:3 130:9	358:21 379:14
group 139:10	guilty 77:8	97:20 127:15	131:16 145:6	406:9 440:23
204:5 213:24	298:13	284:19 401:5	151:22,24	441:5 450:13
219:16 235:9	gun 357:25	hands 119:1	161:2 167:8	harmless 276:8
258:7 284:14	Gunnison 412:6	287:24	179:17 185:23	harms 23:7 34:2
285:4 309:14	gut 259:10	hanging 418:8	201:13 207:2	53:5 54:6
363:5 369:18	Guthman 60:1,2	hangs 488:11	212:22 217:7	72:16 73:25
438:25 460:24	60:7	Hans 450:1,6	227:17 230:9	96:25 100:14
493:14	gutting 232:1	Hansen 426:14	256:14 297:6,9	100:16 124:5
groups 213:18	443:18	426:16,18	298:1 299:4	125:1 134:19
236:3 253:7	guys 67:1	happen 214:19	300:1 303:16	145:1 150:25
466:24 491:21	Gwenevere	243:11 247:14	311:18 312:22	167:25 168:10
Grover 495:10	265:14 266:25	444:3	350:12 354:2	170:6 171:17
grow 67:10	267:7,18,25	happened 68:8	356:15,23	186:11 212:8,8
166:10 197:14	gym 224:19	393:24 436:18	380:18 385:12	231:9 236:13
238:9 240:1,10	Gynecologists	happening 20:3	393:16 402:7	240:22 278:20
248:19 274:17	17:23	23:8 33:9	411:2 423:6,11	279:4 292:10
316:22 381:11	Gynecology	67:15 69:16	427:6 450:18	336:17 351:5
389:19	419:13	93:12 169:25	451:8,16,16,18	372:23 397:18
growing 30:21		222:5,6 239:19	453:4 455:4,19	422:2 440:24
100:6 103:10	H	239:21 279:7	463:1,15	446:17 469:15
190:20 208:20	half 8:8 10:23	379:13 403:3	471:18 472:4,6	486:21 495:3
218:2 220:19	11:8 13:18	443:22 444:6	481:23 494:12	Harold 180:8
241:21 250:9	42:8 57:18	498:6	harm's 72:12	182:20,22
287:6 348:15	79:20 112:18	happens 187:21	308:10	Harry 400:5,7

Harvard 63:18 155:24	44:21,22 45:14 46:14 49:3	155:25 156:4,8 156:21,24	272:5 282:19 282:22 283:13	395:24,24 399:21 402:2
harvest 221:4	50:21 51:5,9	157:16,21	283:23 287:19	402:10,22
Harvey 143:21 295:15	51:25 52:3,18 52:25 53:1,5	158:3,11,16 159:2,9,25	288:1,11,19 289:11 291:12	403:4 404:4,5 405:18 407:6
hasten 68:22	53:13 54:3,5	161:3,5,12	292:10,12,15	412:13,15
hastily 372:16	54:20 55:20	163:15 164:7	294:10,13	413:11,18
hasty 175:20	56:4 60:9,14	164:11 165:5,8	300:2,15	415:3 416:9,12
haunted 78:5 483:10	61:16 62:12 63:16,22 66:6	166:8 167:8,16 168:1 171:11	304:18 306:12 306:19 307:5	416:22,24 417:15,25
Hauptman 238:5,6,7 240:5,6,7	67:19 68:19 72:10,16 73:24	171:17,21 172:4 175:13	309:13,22,24 310:14 311:1,4	419:14,20,22 420:2 421:4
haven 91:12 360:15	76:20 85:19,23 89:12 90:8	175:23 176:3 176:10,12,16	311:16 312:13 313:25 316:4,6	423:8 426:24 427:2 428:22
havoc 345:12	91:22 92:8,24 93:3,9,11	179:13 180:22 182:25 183:11	316:23 321:12 328:8,9 332:25	429:25 431:7 431:17 432:19
Hawaii 178:17	94:16 96:6,24	183:15,16,19	333:2,14	434:1,4,15
hay 82:8	97:12 98:2	184:2,4,12,14	334:15,20	436:7 439:15
Hayley 55:1,2	100:6 102:18	185:23 186:17	335:18,19	440:24 441:5
hazardous 143:23 256:2 268:15 354:1 492:17	104:8,14 105:7 106:3,9 108:5 108:17 110:19	190:7,24 191:25 192:9 192:16 197:24	336:17,20 337:1 338:24 340:4 341:3	441:16 442:1,4 442:9 446:1,17 447:24 448:20
hazards 149:1 172:24	112:5 113:7,18 120:16,19,24	198:5,13,19,20 199:10,23	345:4 346:10 346:15,20	449:22 450:13 453:1,7,14
haze 25:3 333:6	121:3,19 122:13,24	200:13 201:11 205:9 206:17	348:13 349:14 349:22 350:2	454:13 455:5,8 455:23 457:4
hazy 302:24	123:2 124:6	208:10,12	350:12 351:2,5	457:22,25
HC 27:16	125:2 126:18	209:14 210:22	351:18 352:1,5	458:2,4 459:3
HD 49:17	130:16,20	211:1,12	352:24 353:23	459:25 463:2
head 57:15 153:13 206:22 334:17	131:3 132:4,8 132:10 133:13 133:13,21	213:17 215:19 217:5 218:15	354:2 356:1 357:2,15,21	466:2,22,24 467:3,23,24 468:8,10,16
heading 379:21	134:1,2,3,4,5,9	219:10 221:23	358:21 359:4,9	471:14,16,18
headline 310:5	134:13,20,23	222:24 223:12	362:5 363:3,4	471:21 472:2,5
headlines 241:1 441:2	135:7,9,15,21 136:12,18	223:17 224:14 224:23 225:16	363:10,20,24 368:13 370:14	472:10,13 473:3 477:9,25
health 14:24 15:2,8,10,23 15:24 16:5,23 17:3,5,14 18:1 18:5,12,19 20:11,13 22:10 22:21,22 23:2 29:16 32:3,11 34:4,7,9,19 35:13 36:1,2,6 37:1,10,17,24 38:3,10,22,23 39:1 40:3	137:3 138:14 138:17 139:2,3 140:9,9,23 141:17,23 142:5 143:1 144:24 146:4 146:10,14,18 147:6,9,22,23 148:1,2,5,11 148:22,25 149:10,24 151:11,23,24 153:3,5 154:4	226:10 229:3 230:2 233:21 234:24 235:5,7 235:17 236:12 238:17 240:19 244:15,17 246:13 250:11 251:6,9,16,22 252:20 254:4 255:13 256:9 256:19 257:8 260:23 264:18 265:5 268:16 268:19 269:11	371:17 372:7 374:5 375:22 376:7,9 378:22 379:15 381:4 381:17 382:5 382:17 383:12 384:9,20 385:7 386:5,13,19,21 388:3,5,13,18 389:9,11,12,17 389:18,23,25 390:2 391:17 391:20 392:5 393:16,22	481:14,17 482:8 483:2,21 485:5 486:9 487:5 488:14 489:19,21 490:20 491:21 492:5,21 494:21 495:2 496:4,18 498:19 499:8 health-based 371:3 healthcare 33:23

60:20 91:20 163:7 174:6 176:19,24 177:6,10 191:9 213:16 224:2,6 251:11 283:10 283:16 293:5 299:5 310:2 311:3,10 349:8 354:9 358:12 361:21 448:5 448:24 484:20 484:25 healthier 24:5 50:18 85:24 101:18 132:24 162:6 283:25 296:7 301:25 397:3 428:5 445:17 healthy 29:9 31:19 51:25 52:2 60:10,12 61:7 85:3 133:23 136:8 152:7 166:7 173:11 174:19 174:20 177:12 195:23 196:25 230:11 233:23 238:9 240:10 259:22 272:21 281:24 282:13 291:13 305:14 313:3 329:18 329:20 356:17 387:2 396:1 398:11 403:15 410:23 415:4 429:9 460:23 483:12 485:11 hear 5:20 9:13 11:11 14:11 15:9,19 16:1 18:12 65:4 93:22 96:14 102:5 106:24 107:16 116:10 138:12 150:4	164:23 166:20 177:22 184:18 192:3 197:20 203:14 228:14 244:6 246:24 252:2 262:15 265:18 266:21 270:11 277:4 277:20 299:14 299:14 304:12 304:15 315:13 318:15 325:12 327:10 330:3 332:20 340:10 342:16 359:18 362:21 365:3 387:10 395:6 409:2 450:2 461:21 464:15 466:15 480:3 482:17 485:23 493:3,6 497:6 heard 172:24 187:22 197:7 262:8 277:20 277:22 298:24 331:21 333:3 333:11 377:3 390:25 445:20 465:11,11,12 466:7 474:4,6 475:2 479:11 495:19 hearing 1:4 2:6 2:9,11 3:1,6,15 3:21 4:4 5:17 5:21 6:3,5,7,11 6:17,22,25 7:9 7:18,18,21 8:1 8:5,12,17,19 9:2,3,18,24 10:3,8,9 11:7 12:14,20,24,25 13:6 15:6 74:15 76:13 81:13 105:3 107:11 202:14 202:18,19 203:11 267:7	267:24 317:18 317:21,22 318:12 337:16 408:6,10,11,24 430:11 464:9 499:14 500:3,4 500:7,11,14,16 500:20 501:3 hearings 294:2 heart 39:19 45:15 54:13 55:19,25 72:21 76:16 144:12 154:17 160:23 163:14 166:3 222:3 224:8 237:10 249:7 255:24 256:22 264:10 271:11 306:9 312:1,8 375:12 386:2 389:14 418:24 435:1 468:13 487:14 heartbreaking 361:2 Heartland 230:10 hearts 56:17 102:19 104:4 272:20 361:11 378:6 heat 16:5 20:7 22:14,24 23:14 25:25 31:11 32:17,23 33:6 33:18 35:6,8 38:17 40:10 53:22,23 55:15 55:16,17,18 66:6 72:10 73:15 82:17 89:22 90:13 92:19 93:10 96:24 97:4 100:11 108:12 113:10,15 114:24 117:12 118:12 124:17	127:2,7,8 128:6 129:15 129:16,18,19 129:19 130:7 134:21 136:20 145:23,23 146:23 148:15 149:11 154:6 154:14 157:25 159:17 160:18 163:9,24 171:18,18,25 172:5 178:4,8 185:16,22 186:13 197:2 198:11,25 199:2 205:25 208:6 213:9,10 214:21,22 215:2,5 223:23 224:7,11 225:6 226:15,19,20 226:24 227:5,5 236:21 250:13 253:9,18 258:22,24 261:6,18 263:5 266:17 271:6 271:19 280:5 280:16 290:12 295:14 305:20 306:6,8 309:20 310:9,9 316:9 316:12 320:10 325:24,25 326:21 336:10 341:3 346:13 348:20,21 349:4 352:14 353:4,8,15 354:11 355:25 357:24,24 360:22 361:24 363:25 364:2,2 364:4,7,11,17 366:3 367:3,6 368:15 375:4,7 378:14 379:17 382:12 385:18	391:23 396:22 398:1 400:17 401:9 403:18 404:4,13 411:20 414:8 415:10,13,17 416:14,15 422:4,23 427:4 427:10 430:19 431:10 441:2,4 441:8,11,13,21 441:23 442:2 443:9 445:20 456:4 460:3,18 461:6 467:6 468:2 469:16 470:21 476:12 476:15 479:2 482:2 483:4,9 483:13 484:19 498:1,9 heat-driven 383:9 heat-related 23:24 31:8 35:9 73:16 90:7,8 97:6 113:10 135:10 146:23 205:23 217:6 226:22 227:8,11 251:8 348:23 353:11 431:12 456:6 heating 129:5 319:14 322:1 348:6 heats 149:15 178:13 399:16 heavier 139:11 163:24 217:14 380:11 heaviest 90:21 200:23 337:3 heavily 67:12 168:11 169:10 179:21 489:10 492:3 493:12 heavy 4:13 42:11 43:4
--	--	---	--	---

44:1 45:4 48:9 88:2 93:5 123:11 144:8 168:7 199:7 245:21 259:14 302:25 340:19 340:20,23 341:12 342:8 464:5 480:21 484:9 heavy-duty 42:21 135:1 heavy-handed 74:19 Heed 54:19 heels 127:11 Heidi 475:13,14 held 101:4 127:24 200:9 286:24 Helene 18:17 117:20 139:5,7 139:11,16 148:15 360:16 377:21 Heliocentric 46:2 hello 65:4 88:23 104:24 116:17 162:12 173:6 177:22 182:21 184:18 189:12 192:3 194:25 197:20 202:23 215:13 223:8 228:14,16 238:6 242:19 267:6,24 279:22 293:20 304:14 309:11 319:4 327:10 327:14 332:19 340:10 347:3 349:18 373:25 376:16 402:16 405:5 410:4 428:9 430:4 432:15 442:15 444:21 456:22	468:25 478:8 480:3 488:20 495:11 497:6,9 helmets 275:20 help 8:10 36:11 54:21 69:3 74:17,22 75:22 101:17 109:8 156:17 162:5,5 187:24 259:17 268:11 281:9,9 306:13 309:1 313:2,23,25 325:21 334:6 361:5,7 445:14 471:11 474:17 helped 52:16 184:4 278:17 281:13 292:21 297:10 helping 8:7 57:23 68:16 137:15 378:8 443:21 445:4 500:2,6 helpless 25:14 helplessly 249:2 helplessness 241:10 helps 57:1 85:13 85:15 152:16 178:11 259:11 339:25 hen 465:25 Hendrickson 279:21,22,24 280:9,10 heresy 46:4 heritage 66:11 231:7 hesitant 458:24 hi 14:11 16:20 21:21 24:12 65:2 76:7 78:12 102:5 121:9 128:13 145:14 147:21 150:4 233:14 240:6 246:24	257:15 262:15 286:12 291:11 296:19 299:18 304:11 323:13 325:11 344:18 347:3 359:17 359:24 362:20 384:14 390:19 405:4 421:13 439:25 447:6 473:10 475:14 485:22 493:2,3 Hicks 252:1,2,4 252:5 hide 2:16 396:19 high 22:18 44:3 58:15 59:2 81:2 82:1,1 87:22 95:14 144:23 160:17 186:12 224:17 226:8 232:13 263:6 285:12 312:12 322:2,2 325:25 349:8 366:18 375:21 394:20 403:18 404:13,13 432:4 441:11 476:6 491:19 497:21 high-income 80:4 higher 27:2 35:9 35:9 36:4,6 37:22 39:18 53:15 58:23,24 59:8,21 67:24 85:25 87:9 90:6,15 108:17 113:2,4 141:13 141:19 146:20 149:6 154:3 160:22 174:9 176:25 179:20 191:12 196:18 234:16 242:2 256:8 274:16 275:15,19,21	276:2 290:2 321:20 336:15 356:8 385:18 389:6 430:21 457:16 462:17 462:18 467:17 468:3 highest 68:12,12 95:15 156:11 197:13 216:22 229:12 234:18 245:1 285:22 300:10 306:6 328:18 Highland 321:1 321:2,4 highlight 74:16 167:14 491:5 highlighting 478:24 highlights 82:18 493:15 highly 48:20 75:16 highway 4:18 43:13 154:1 264:2 283:2 highways 39:16 168:6 199:3 201:14 311:23 375:19 hike 398:13 hiking 257:22 294:4 476:17 Hill 259:4 349:3 435:8 Hillard 137:24 137:25 138:2 hinder 46:23 102:15 hindrance 424:19 hint 324:19 historic 5:6 117:7 221:11 351:14 historical 159:22 181:20 400:10 481:12	historically 21:6 148:20 149:5 history 4:25 28:13 45:20 76:9,12 118:24 170:17 208:4 216:18 278:13 306:7 313:1 385:1 431:2 495:21 hit 142:18 168:25 224:24 310:10 360:16 396:17 hitting 406:8 HOA's 383:19 hoax 77:14 324:12 457:11 Hochberg 439:24,25 440:4,6 Hola 365:5,13 hold 8:5 78:13 155:22 162:21 272:19 285:8 291:14 305:18 319:15 496:16 holding 254:24 255:11 337:16 holds 47:17 90:24 188:12 holes 391:11 home 32:13,17 35:3 53:7 103:6 104:6 115:12 153:8 153:20 167:20 219:8 228:5 231:5 232:15 243:18,21 257:21 283:8 292:5 298:1 355:21 360:17 383:6,19 391:6 418:18 428:1 442:20,21 443:11 460:15 469:20 477:4 477:21 483:13
--	---	---	--	---

484:21 488:24 497:21 Homeland 452:12 homelessness 117:23 homeowner 367:1 497:11 homeowner's 320:14 Homeowners 368:23 homes 18:15 23:22 33:22 91:2,5 95:10 105:12 115:14 131:15 139:7 139:23 168:20 225:7 230:2 239:16 241:20 258:1 301:12 306:4 320:1,6 346:2 349:9 399:14 418:12 418:17,19 422:10 435:22 444:8 454:12 458:16 470:2 475:1 476:22 477:1 498:19 homesick 22:13 hometown 269:14 345:25 448:10 homicide 404:9 404:11 461:4 homicides 358:1 Homs 332:18 332:19,22,23 honest 16:8 80:19 honesty 381:12 honor 63:23 76:18 130:19 151:25 320:21 337:1 360:7 381:16 392:12 422:14 434:14 470:12 485:9	honored 148:4 Hoosier 72:2 hope 81:11 197:5,16 246:3 262:7 320:21 327:21 400:2 447:19 475:7 hopefully 63:1 152:16 horizon 143:18 hormone 196:6 Hornyak 349:17 349:18,19 horrendous 465:16 horrible 25:1 142:3 269:15 horrific 257:19 horseman 278:12 hospice 375:17 hospital 37:16 39:21 40:17 85:1 153:11,15 161:19 174:10 213:22 312:11 326:13 363:22 364:16 447:10 448:1 482:21 483:10 hospitality 469:22 hospitalization 356:7 364:10 416:13 hospitalizations 156:12 171:24 190:5 191:20 283:4 441:11 484:21 hospitalized 283:8 325:16 hospitals 160:22 171:22 306:5 host 2:18 12:17 67:6 260:1 267:9 268:1 hostile 486:19 hot 35:6 154:8	163:2 287:3 366:8,14 383:2 403:22 hotbed 477:2 hotter 20:7 35:7 55:7 76:24 82:13 89:14,14 90:5 138:20,23 206:6 220:21 239:11 241:16 258:10 379:11 406:4 441:18 461:6 491:13 hottest 103:2 119:24 205:21 236:18 290:6 348:4 374:22 427:12 430:16 495:20 hour 71:13 443:12 hours 95:8 144:9 house 62:4 107:7 109:12 112:15 114:21 227:25,25 243:1,14 303:12 326:1 364:20 383:12 396:19 433:6 442:23 466:1 469:19 497:23 housed 445:1 household 200:22 314:12 households 73:2 336:11 445:22 housekeeping 203:24 446:22 houses 95:11 257:22 320:2 421:18 422:6 469:6 housing 163:8 378:1 385:14 412:4 Houston 65:12 hover 12:10 Howard 123:22	123:24 hub 377:25 Hudson 108:15 381:22,23,24 huge 154:1 155:4 165:20 239:15 248:8 316:4 391:19 human 15:2,7 15:23 17:3,14 18:1,5,19 21:3 28:5,13 30:24 34:18 50:21 62:2 63:21 64:5 72:15 92:15 94:15 134:1,12,23 136:18 142:11 156:24 157:16 161:2,4 167:16 173:18 178:14 178:20 179:7 192:9 222:15 223:24 231:9 234:21 236:12 237:19 252:20 261:2 264:18 265:5 269:11 269:25 278:13 287:25 289:9 289:11,25 290:8 292:10 292:12 293:9 293:10 300:15 316:6 325:6,7 328:8,9,13 331:15 335:18 335:19 338:24 345:16 348:10 348:12 349:23 350:2 351:25 361:18 386:21 391:20 392:5 397:25 402:10 403:4 423:7 437:19 439:15 450:13 455:5 455:23 457:7 471:18 486:9	human-caused 417:24 486:13 human-driven 167:18 168:17 169:15 human-produ... 351:1 humanity 226:12 267:12 268:4,11 298:14 humans 18:1 276:8 339:7 433:9 humidity 117:13 224:11 hundred 297:19 315:18 hundreds 52:25 139:1 153:1 179:11 181:13 192:23 212:12 235:16 284:24 297:16 328:4 350:19 405:13 406:16 412:1 416:6 425:2 445:23 464:4 hungry 474:24 hunt 398:13 Hupman 74:4,5 74:6 hurricane 18:16 18:24 26:7 90:25 117:20 139:5,6,7,18 143:20 148:15 155:2 168:25 227:20 295:15 295:18 345:17 360:11,12,16 374:25 377:21 399:15 hurricanes 18:16 20:8 25:25 56:13 77:1 97:5 120:2 143:11 144:16 154:7
--	--	--	---	---

154:24 159:18 223:24 224:24 279:10 305:23 306:15 322:19 391:22 443:9 465:19 474:5 hurt 18:7 69:9 128:4 214:7 hurting 60:23 60:24 112:22 159:8 hurts 249:5 husband 301:8 320:2 hybrid 43:21 182:13 343:21 343:22 425:6 hydrocarbons 181:1 389:6 hydrofluoroeca... 216:13 hydrogen 43:20 295:4 hydroxy 389:1 hypertension 306:10 364:6,8 hypocritical 197:6 hypothetical 93:11 278:21 400:8	Ida 168:25 idea 231:12,13 ideal 433:3 494:1 ideas 230:12 identification 79:9 identified 127:18 identifies 165:15 419:19 identify 74:13 identity 221:12 399:5 ideological 110:25 igniting 144:5 ignorance 77:15 ignore 41:4 45:23 68:22 167:6 170:19 200:15 206:23 207:21 220:13 287:23 300:22 307:21 312:19 358:16 363:11 378:12 404:18 431:17 498:15 ignored 69:13 248:7 297:18 489:7 ignores 35:22 85:4 135:2 167:7 193:22 212:1,5 218:17 335:24 372:22 416:25 426:2 431:20 459:19 481:11 ignoring 169:21 252:19 342:11 370:19 414:5 493:16 II 115:7 ill 145:2 225:14 249:10,10,10 ill-conceived 220:3 illegal 28:20	298:17 425:16 illegally 396:15 Illinois 303:5,18 471:13 illness 23:25 25:5 38:3 40:21 62:16 135:10 172:10 172:11 190:21 217:6 226:23 244:20 251:8 255:24 293:12 348:24 353:12 418:25 429:7 441:11 illnesses 31:9 54:13 60:21 77:6 85:24 90:7 143:17 146:23 174:5 176:11,23 249:7 290:19 306:8,9 307:1 354:2 447:24 illusion 489:20 illustrate 349:5 441:1 imagine 34:11 67:14 322:17 322:19 334:12 400:8 431:14 immaculate 323:22 immediate 14:19 33:25 62:12 188:22 208:8 220:8 221:22 333:1 386:5 416:22 472:11 immediately 13:15 153:9 immense 51:23 117:21 immensely 118:14 immobilized 433:13 immoral 35:20	478:1 immunology 50:5 impact 13:3 43:8 48:12,15 49:15 70:3 76:25 84:15 103:23 120:3,5 132:1,4 137:5 139:19 146:10 158:18,24 161:12 168:12 184:12 196:9 224:7 235:4 236:14 266:14 269:11 271:16 276:22 277:10 280:18 286:4 295:13 328:9 364:21 368:20 371:6 380:6 390:12,23 391:19,25 421:20 426:1 428:21 429:6 431:23 434:4 437:22 438:5 438:17 454:12 469:9 471:20 482:25 495:21 impacted 29:17 29:25 93:10 140:23 263:11 374:23 469:18 impacting 22:9 94:23 122:12 133:18,19 153:3 263:17 295:24 363:9 363:19 383:4 383:11 446:5 479:3,9 499:5 impacts 16:5 31:10 33:9 35:5,13,25 38:10 48:17 51:11 53:3 56:8 63:16 67:19 69:6	86:8 89:12 90:25 93:11 104:8 112:23 113:17 115:24 119:4 121:23 122:7 125:8,10 126:25 132:10 133:22 134:20 135:9 141:12 141:22 146:19 148:13 156:8 159:11 170:21 190:7 198:10 198:18 205:11 207:24 210:17 212:23 221:6 223:20,22 229:5 231:23 253:4,13 262:23 264:19 266:5,16 271:5 272:15 278:18 278:22 279:12 290:1 300:7 333:14 335:1 346:15 351:4 351:18 354:19 357:21 361:22 361:24 363:3 368:12,13,18 368:22 372:13 374:5,17,21 375:9,21 378:10 380:4 382:8,11,20,23 382:25 384:1 393:15 395:22 398:24 406:8 411:14 415:9 416:8,22 417:2 418:2 424:9 435:18,20 437:19 439:18 454:11 455:23 468:2,7 476:19 478:25 487:7 493:24 496:4 imperative 31:1 57:21 69:11
I				
I5 165:13 ICCT 462:1,25 ice 221:15 339:3 411:6 iceberg 77:3 ICF 3:20 8:6 9:23 500:2 icon 2:13 iconic 411:8 ICU 292:2 482:20 483:8 icy 399:2 ID 11:15 12:22 13:22 203:19 318:20 409:22 500:24				

496:16	improvements	17:4,20 35:6	235:12	375:7 382:13
imperil 320:11	87:12 88:16	38:11 43:19	incorrect 86:6	383:22 385:17
477:25	341:22 342:2	49:12 52:19	212:6 222:11	389:3,5 404:7
implementation	improving 148:2	53:4 58:11	increase 33:19	404:8 407:11
145:16 371:7	153:5 189:20	78:3 79:8 90:2	37:24 45:16,17	415:16 416:16
implemented	496:8	97:18 103:11	53:21 57:24	418:3 420:17
67:8	in-situ 275:18	108:20 111:21	98:13 120:15	420:23 430:18
implementing	inaccurate	120:5 134:14	131:24 141:13	431:25 453:18
222:21 440:8	289:20	134:21 135:8	141:18 151:17	453:19 460:17
implications	inaction 40:22	137:1 148:14	163:12 176:8	467:18
221:17 388:14	401:21 477:8	151:2 170:14	208:5 217:17	increases 48:23
implore 230:16	481:19	172:6,8 173:19	227:1 237:4	154:17,19
344:22 393:4	inadequate	181:1 190:15	245:2 282:20	168:3 174:13
444:17 487:23	88:13 163:7	191:9 198:11	289:10 293:4	184:11 221:7
imply 343:6	305:21 371:8	206:18 209:13	297:13 328:20	266:17 271:18
importance 75:2	385:14	211:13 214:2	331:15 339:6	290:12 339:13
293:1 470:15	inappropriate	222:15 223:23	343:16 376:2	404:6 418:24
important 3:23	285:10	227:13 231:10	379:17,19,23	420:21 448:23
6:3 15:20	inapt 192:21	236:20 244:10	379:24 382:23	494:19
29:10 36:24	inaudible 64:12	245:20 265:1	388:24 421:3	increasing 26:1
72:13 76:4	266:18 270:7	291:2 294:25	423:11 427:12	27:13,21 48:19
104:18 107:10	349:24	301:18 309:20	431:14 433:17	53:16 63:12
107:15 213:13	inauguration	314:24 343:21	433:18 441:25	65:21 98:19
225:20 236:11	196:21	346:12 350:16	454:4 455:18	113:14 130:12
295:9 313:14	incentives	354:8 374:24	456:16 458:20	131:11,22
315:1 327:22	296:25 341:8	383:22,23	494:13	135:7 154:14
340:6 345:7	incentivize	397:8 402:25	increased 25:12	172:1,7 178:19
411:16 412:25	182:5	404:19 405:22	28:23 33:10,21	185:23 208:13
422:18 449:3	incentivized	407:8 411:17	38:3,18 67:23	213:8,9 215:1
451:14 471:20	343:10	412:1,3 423:8	103:3,4 108:18	217:10 245:17
473:7 491:19	incentivizes	427:3 429:21	113:12 118:19	286:25 316:9
496:9	56:21	455:5 457:16	129:19 130:2	316:23 320:9
importantly	inches 95:7,7	462:19 474:12	132:5 141:10	368:24 389:21
60:24 102:10	141:10	483:11,17	149:10,16	389:24 391:23
342:11 356:6	include 10:13	486:11 490:7	168:18,18	411:4 415:10
377:1 392:23	107:19 168:7	inclusion 79:10	172:3 174:11	416:2 427:5,14
394:12 500:8	174:15 284:25	income 200:24	175:1 205:23	458:3,13
impossible 47:9	305:19 311:24	327:6 367:2	208:1 214:12	472:22 479:5
93:13 103:22	341:2,21	468:11 484:22	217:13,20	484:8
300:22 415:24	382:12 383:1	incomes 314:12	226:16,21	increasingly
improve 44:10	411:14 431:1	incomplete	229:22 253:18	53:2 89:25
57:24 111:15	448:7 458:18	78:23	254:8 263:4	91:6,23 96:23
181:12 251:15	included 5:1	incontrovertible	264:12,14	98:11 144:16
265:1 386:11	292:22 373:13	110:17	282:25 283:1	176:23 208:2
389:18	includes 112:17	incorporate	283:23 290:17	220:22 233:24
improved 96:2	188:4 264:16	442:5	295:24 305:22	249:6 293:3
111:6 209:14	372:9 393:21	incorporated	316:11 319:16	343:13 358:5
278:16 338:22	447:23	165:10	320:14 333:16	361:16 368:17
354:8 455:15	including 4:19	incorporates	341:6 353:15	383:15 483:5

483:19 incredibly 225:11 436:14 449:21 incurred 95:19 indefensible 279:15 467:10 independence 314:3 independent 43:12 64:8 193:22 458:1 index 89:16 127:8 129:16 375:21 indexes 253:10 325:24 Indian 291:18 Indiana 71:25 72:3 232:21 233:15 369:22 Indianapolis 127:5 369:20 indicate 438:21 indicated 292:23 363:17 indicates 292:16 indigenous 150:8 151:14 indirect 125:8 125:10 232:18 388:23 indisputable 350:25 individual 9:4 13:1 24:14 242:20 244:11 324:24 325:4,5 381:25 387:14 405:12 437:13 440:7 442:17 individual's 221:17 individuals 33:3 108:20 111:11 149:9 172:6,8 172:9 176:6,22 177:8 185:24 234:25 235:5,9	256:15 310:8 324:16 indoor 224:18 indoors 241:5 256:10 348:19 366:9 387:20 479:1 483:25 484:6 induced 351:9 428:20 industrial 30:21 150:18 174:14 191:16 250:14 258:19 311:23 356:3 434:10 463:19 industries 30:17 140:5 251:4 281:10 322:14 322:21 449:5 449:11,19 481:25 490:7 industry 5:14 27:11 28:15 30:19 42:6,14 42:19,25 46:8 49:13 67:16,19 68:25 69:6 74:9 77:16 123:17 179:22 181:13,17,21 182:6,14 223:1 253:17 254:6 259:6,12 280:23 296:23 339:25 340:3 348:11 433:22 449:7,17 457:12 461:5 462:22 463:21 468:19 477:1 489:16 496:12 industry's 86:10 195:15 inequitable 256:13 inequities 351:14 468:10 inevitable	296:24 inevitably 77:4 347:17 375:10 infant 264:13 infection 264:15 infections 214:10 263:23 infectious 38:18 152:19 226:17 416:10 433:17 inferior 28:22 350:19 inflammation 213:25 234:21 inflate 137:7 inflating 145:25 inflation 101:8 109:18 112:24 influence 92:15 331:10 influenced 328:14 influences 496:14 info 277:13 279:17 informally 7:19 information 10:13,15,15,16 10:17 46:21 228:9 279:16 285:21 448:14 472:4 informed 117:17 155:25 376:8 infrastructure 41:9 44:5 59:16 85:17 87:8 88:13 108:19 132:2 230:2 264:2 308:14 341:13 392:2 405:19 425:3 431:17 ingenuity 427:23 Ingrid 342:15,19 inhaler 61:9 142:2 298:22	inhalers 292:5 484:20 inherit 401:13 inheritors 396:23 initial 77:2 111:7 373:14 initiative 69:21 141:11 235:25 initiatives 42:19 44:10 496:3 injured 132:12 injuries 77:6 290:19 316:12 368:16 injury 295:20 injustice 17:18 159:23 480:12 injustices 171:12 inland 33:15 100:10 108:13 399:15 411:4 480:9 inlet 436:2 inner 37:19 innocent 61:11 innovate 77:12 449:5 innovation 42:18 137:11 181:16 182:6 182:12 308:15 343:10 427:22 450:18 451:8 451:11 462:12 463:19 481:13 485:12 input 5:18 369:10 373:14 489:6 490:6 inquiry 330:18 insecurity 149:15 360:23 inside 239:3,3 263:12 385:3 insisting 330:18 inspecting 81:22 inspiring 262:6	instability 308:1 446:4 installation 294:22 instance 258:7 277:22 instances 479:5 instant 269:24 institute 74:7 84:7 419:21 444:23,25 445:1 instrument 481:23 insufferable 233:25 insufficient 87:8 99:24 insufficiently 437:24 insurance 36:4,5 251:3 295:23 296:3 319:22 320:14 321:20 368:23 477:1,5 498:4 insurers 201:2 476:25 intact 265:4 integrate 117:4 integrity 78:1 291:7 337:25 422:15 470:12 intellectually 25:17 intend 107:13 intended 6:25 185:9 472:7 intense 26:7 35:12 56:13 124:18 138:24 141:21 169:12 208:2 220:23 226:15 230:1 269:20 310:1,9 400:16 405:21 411:3 430:20 483:15 497:25 intensely 29:20
---	--	--	---	--

117:13	245:11 297:4	123:16 124:13	island 114:11	Jackson 450:8
intensified 375:8	341:22 343:21	181:21,25	367:3 435:17	Jacksonville
495:22	415:1	218:6 283:20	436:2	14:18
intensify 136:21	international	463:22	Island's 435:23	James 392:16,22
intensifying	77:21 82:22	investors 201:2	436:8	Jamie 296:18,19
35:6 55:17	116:1 194:20	250:1	Islanders 436:17	444:20,21
129:5 131:9	216:23 256:1	invisible 444:11	islands 336:10	jammed 231:17
134:21 144:22	461:25 462:2	invitation 11:23	isolated 290:21	Janessa 307:9
217:3 440:25	462:21	204:24 437:9	353:17	307:12
465:19	internationally	invitations	isolation 75:13	January 208:2
intensities 316:9	309:17 449:14	273:3	361:1	243:8,11
intensity 53:22	internet 12:23	invite 203:25	issue 75:19	257:19 269:13
85:14 128:24	13:1 194:3	204:16,21	77:13 119:2,6	301:4 436:12
131:11 168:18	interpretation	242:11 323:6	166:15 187:10	442:22
226:20 290:15	252:23	362:12,14,18	190:1 192:13	January's
453:21	interrupt 365:9	409:5,10,18	192:16 225:20	430:25
intensive 283:4	430:9 438:7	447:2 452:4,5	260:19 310:13	Jason 80:24,25
intent 70:2 98:8	interruption	inviting 204:1	349:6 363:7	Jay 395:4,10
109:9 159:4	177:3 255:2	362:13 448:24	369:22 377:17	Jayne 140:15,17
188:2	intersects 491:7	involved 172:19	377:18 414:19	142:17
interact 161:14	intervene	389:2	423:19 455:7,8	Jazmin 355:4,8
217:16 388:22	306:25 403:23	involvement	455:8 456:4	JEAN-MARIE
429:22	intervening	268:9	472:24	1:15
interactions	368:8	involves 284:23	issued 30:4	Jeff 76:7
493:24	intravenous	IPC 188:17	117:1 129:16	Jeffrey 76:6
interest 45:22	155:4	IPCC 276:19	188:17 300:16	Jen 373:24,25
195:20 270:7	introduction	277:7 284:22	440:21 488:5	jeopardize 145:6
439:13 474:2	43:18	330:7 363:13	issues 67:14	jeopardizes
interested 6:12	inundated 117:8	IPCC'S 286:3	74:13 90:2	194:7
6:17 344:11	invasive 411:8	IRA 109:18	91:19 105:22	jeopardy 30:25
499:19,22	Invent 19:16	110:1,7	119:22 138:15	221:1
interesting	inventory 70:20	Iran 77:19	138:17 146:18	Jeremy 71:17,19
67:23	234:10 251:2	iron 494:18	192:10 230:5	Jersey 166:25
interests 330:13	inversely 27:22	irrefutable	266:24 285:16	167:20 168:5,8
394:7 399:23	invest 181:15	50:19 475:18	309:19,22,25	168:12,21,25
466:1,2 481:22	308:13	irrefutably 53:5	322:12 351:24	169:2,4,8,12
interface 63:20	invested 179:21	irrelevant 79:13	355:16 356:11	170:1,8 262:20
Interfaith	334:11 336:2	irremediable	364:13 373:11	357:14,23
315:19 421:17	341:11 425:1	287:18	389:25 416:12	358:1,7,13
454:22 469:5	investigated	irreparable	424:14 427:15	371:24 395:11
intergeneratio...	245:23	300:1	435:9	395:20 437:14
77:9	investing 87:14	irresponsible	issuing 74:17	Jersey's 169:8
Intergovernm...	194:17 446:7	35:17 53:9	items 76:1	Jerseyans 167:9
92:14 134:15	investment 41:7	209:9 498:20	272:25	168:24 170:22
193:23 363:14	86:4 209:18,19	irrigation	iteration 111:13	395:16
intern 286:16	248:6 257:6	229:20		Jessica 1:15
internal 24:15	investments	irritates 141:15	J	78:10,13
91:11,15	19:22 36:7	irritation 383:24	Jacinto 144:17	197:19,24
182:12 226:1	41:16 45:12	ischemic 234:16	Jack 367:16,18	262:13,18

390:6,8,20	jubilee 188:6	434:22	387:19 428:14	kinds 19:22,22
Jesus 102:14	judgment	KASAB 1:17	Kerr 319:7	kingdom 102:16
Jim 171:3,6	452:23 453:2	Katherine 378:5	Kevin 1:13	Kish 96:12,13
452:8,9	453:12	381:21,24	327:9,15	96:17,18
job 22:20 212:20	judicial 101:23	Kathleen 402:14	452:13	Klein 452:13
222:20 288:15	127:21	402:18	key 64:5,7 74:16	knew 195:16
346:24 402:9	Julie 347:2,4	Katie 114:1,3	218:25 250:18	483:3
473:25	July 131:17,17	Katrina 139:7	342:9 356:3	knocking 479:7
jobs 42:9 56:25	253:4 275:9,15	227:20 360:12	443:18 493:19	know 11:17
57:2 181:10	295:19 319:6	Katz 400:5,6,7	keynote 65:12	19:19 25:9,20
182:1 209:19	412:8 430:16	kayaking 114:23	65:14	50:15 61:8
230:14 246:13	431:3 441:10	keep 8:8 15:19	keystone 216:15	63:10 68:7
246:15 297:8	489:1	21:7,13,14	Khadijah	100:7 101:16
342:12 361:21	jumped 348:2	31:2 39:20	147:20,22	105:21 107:23
365:23 376:5	jumping 56:24	55:15 72:13	kick 259:1,14	109:3 114:14
398:17 399:22	Junco 152:12,13	107:12 144:4	kicks 135:12	114:14,25
449:8,9 451:10	152:17,18	153:17 164:16	kid 238:9 239:25	118:22 120:8
464:4 470:3	June 24:24	165:21 166:5,7	272:16 287:9	132:16 142:21
Joel 423:20,22	343:25 372:25	166:9 178:11	347:13 483:3	148:16 149:2
John 1:17 115:7	415:23 430:16	196:24 261:13	kidney 33:19	171:18 172:25
Johnson 444:20	449:6	288:15 300:9	306:10	173:17 175:3
444:21,22	jurisdiction	323:4 329:17	kidneys 389:14	210:24 218:5,7
Johnstone	107:9	344:13 348:13	kids 31:9 89:18	242:13 265:20
286:11,12,14	justice 114:6	349:11 352:6	162:25 166:10	272:8 277:24
286:16	135:16 145:16	354:19 387:2	168:3 239:8,17	298:4,9 302:13
join 107:11,15	163:17 219:8	391:6 398:18	239:22 240:3	304:23 307:24
207:16 224:18	257:12 323:17	399:18,20	242:5 266:4,9	310:7,12,13
262:6 314:15	335:11,14	400:1 402:11	266:11 271:10	312:22 317:6
315:6 328:1	336:6 355:13	402:11 414:20	271:12,22	321:10 323:20
337:9 488:10	355:16 356:25	444:18 449:23	272:16 291:17	323:21 324:1,8
490:10	376:18 417:18	483:24 484:4	291:19,23	324:10,11,14
joined 323:7	417:20 480:14	485:10	292:24 293:24	324:17,23
337:8 424:23	Justice's 116:1	keeping 200:17	361:22 362:2	332:14 333:12
435:10 438:9	justification	keeps 239:19	370:18 426:25	333:19 350:25
joining 500:16	222:10 437:21	316:14 484:6	428:6	364:18 366:4
joint 433:13,16	justified 78:23	Keith 26:18,19	kids' 271:4	393:6 396:24
joke 295:21	108:8 439:20	204:20 215:12	kill 179:17	404:4,9 406:20
Jordan 189:11		215:14	killed 18:7,23	409:17 417:24
189:12,13	K	Kelly 41:24,25	127:12 258:2	418:21 419:1,2
Joseph 178:6	Kaari 186:23	42:2	269:18 319:8	421:25 424:15
367:16,17,18	187:1	Kenneth 437:10	320:7	429:14,14
Joshua 192:2,7	kairos 188:25	437:12 438:12	killing 296:11	444:15 446:24
232:19 411:9	Kajsa 279:20,23	Kent 255:19	474:3	453:17 469:13
Journal 53:19	280:10	Kentucky	Kim 102:4	472:5 490:11
141:6 403:1	Kansans 229:4	303:19	235:21,22,23	490:12
journals 402:25	Kansas 228:19	Kenworthy	Kimmel 347:2,3	knowing 241:11
428:15	229:8,20,25	369:13,14	347:4	246:8
joy 204:19 210:7	230:10	kept 8:17 161:25	kind 64:10 71:2	knowledge
210:10 399:5	Karen 434:20	178:15 261:12	361:15	17:16 78:19

350:15 380:22 423:6 455:3 known 25:17 176:9 187:3 269:10 284:18 315:20 368:14 424:12 440:23 knows 298:20 436:24 475:16 Kocharian 155:12,13,17 155:18 Kootenai 173:9 Kozicki 257:14 257:15,16 Krasny 459:7,8 459:9 Kris 204:25 205:5 Kuehn 200:1,4,5 Kyle 162:11,12	Lamont 94:19 Lancet 135:5 land 101:5 154:25 254:25 255:12 300:24 386:25 Landau 288:24 288:25 289:2 landmark 156:20 210:19 lands 151:15 173:9 406:17 landscape 231:5 319:18 370:3 450:7 landscapes 34:12 269:6 language 334:1 363:16 large 8:4 11:5 36:22 70:13,25 84:22 145:19 145:24 169:16 203:8 295:7 303:9,14 318:9 408:21 411:24 493:17 largely 97:7 142:11 319:13 larger 110:25 415:10 453:25 454:2 491:14 largest 28:12 39:13 42:5 57:17 62:8 79:24 98:17 102:24 135:3 162:20 170:15 189:18 205:18 208:15 211:14 213:23 230:7 234:7 254:1 258:18,18 263:18 294:15 294:19 298:11 303:11 328:22 329:8 333:20 338:3,13 385:21 401:24	454:7,8 460:4 463:5 466:4 473:20 488:24 491:8,10 Larner 363:1 lasting 131:16 143:16 354:1 385:1 476:12 lastly 188:4 lasts 192:22 late 71:13 116:12 132:16 132:17 253:4 328:24 403:8 latest 397:18 Latino 335:13 336:5,6,12 356:9 359:25 Latinos 336:9 336:14 LaTressa 104:23 104:25 lauded 4:23 laugh 394:20 laughable 394:18 laughing 77:22 Lauren 235:21 235:23 Lauri 488:19 law 5:14 20:14 20:15 61:17 81:9 101:5,12 102:1 109:24 110:17 115:8 121:11 123:25 124:1,7 125:4 125:18 126:15 127:23 128:4 167:7 183:12 196:16 200:8 211:8 218:12 243:9 288:6 324:22 350:9 380:20 443:25 444:23,25 445:1,3 461:15 468:16 481:15 485:5	lawmakers 496:15 laws 68:23 125:20 156:25 188:6 292:8 293:10,11 lawyer 392:22 lawyers 107:22 lay 285:16 461:3 layer 347:16,19 laying 32:14 lead 41:17 43:15 64:21 77:12 80:17 85:22 176:8 184:11 190:22 209:6 209:17 259:21 296:6 312:21 371:10 389:6 389:21 397:2 428:2 431:6 481:7 497:22 leader 76:9 147:24 197:25 209:21 462:21 leaders 83:2 106:11 115:9 119:1 158:2 170:9 250:1 255:11 307:25 335:13 396:5 422:7 469:25 leadership 19:11 45:18,24 56:22 66:12 80:21 150:11 152:4 172:14 259:19 272:6 308:11 490:17 leading 23:16 30:13 39:14 103:14 122:6 122:20 148:21 180:15 191:1 208:6 229:11 237:11 254:22 255:9 287:18 294:17,20,24	295:11 306:10 393:11 404:12 411:3,5 455:21 461:7 495:24 leads 256:22 292:18 349:13 392:3 487:12 league 254:21 255:8 287:4 395:11 leaked 308:18 lean 492:3 leaning 312:6 451:12,13 leans 101:19 learn 31:12 332:6 learned 174:6 327:22 403:6 403:14 465:6 Learner 123:22 123:23,24 learning 117:2 151:7 271:20 leave 22:11 47:13 75:15 85:25 96:8 120:16 167:10 181:8 186:6 257:1 265:4 289:23 325:25 364:20 381:13 406:2 leaves 283:22 380:17 443:23 443:24 leaving 119:2 139:23 300:5 301:2 319:18 Lebegue 164:20 164:24 165:2,3 led 28:22 98:3 117:15 168:17 183:19 209:4 253:23 258:8 297:10 343:14 404:15 Lee 172:13 297:15 434:24
L				
La 117:20 258:7 346:2 349:3 469:3 labor 250:15 449:7 482:2 lack 30:6,8 49:19 79:10 197:10 244:17 336:11 380:25 385:13 lacking 222:12 342:9 lacks 4:9 193:21 laden 281:1 Lafayette 418:14 lag 481:7 laid 481:9 Lake 279:25 280:11,20 281:3 lakes 121:12 122:1,8 123:18 124:20 216:18 Lamb 376:15,16 376:17				

LeFluer 323:12 323:13,15	311:20 317:6 331:24 354:5	Liere 262:14,15 262:17,18	178:2,7,8 199:7 245:20	459:23
left 142:21 163:20 270:3 301:24 319:10 319:19 396:17	392:21 405:4 438:11	lies 76:12 482:13	315:19 340:19 373:10 421:17 436:22 454:22 464:5 469:5	linked 33:6 73:19 132:5 146:18,21 166:4 190:18 196:1 234:20 253:13 287:12 311:25 418:23 468:3
leg 103:8	lethal 33:2	lieu 149:18	Lightning 28:4	146:18,21 166:4 190:18 196:1 234:20 253:13 287:12 311:25 418:23 468:3
legacy 312:24	lethargic 22:17	life 22:9 35:4 39:22 56:4 72:5 89:10 108:22 117:5 119:6 134:23 142:7 146:4 151:12 166:8 177:5 178:12 185:21 190:1 197:10 214:20 223:24 227:19 230:16 236:8 237:17 261:10 263:17 265:6 274:10,15 276:8 295:25 296:2 298:23 306:18 328:8 328:10 349:23 351:3 353:1 360:14 375:10 379:15 383:7 390:13,24 403:8 404:1 405:17 406:9 411:7 423:8 424:20 436:9 444:14 445:21 455:5 456:24 473:14	Likewise 144:5	166:4 190:18 196:1 234:20 253:13 287:12 311:25 418:23 468:3
legal 24:4 37:21 41:5 66:18 86:2 116:2 134:11 156:16 176:4 198:4 212:6 216:2 218:9 220:14 312:15 316:15 324:4,7 346:24 357:1 359:3 367:11 381:2 405:10 413:11 413:19 424:4 442:8 446:18 460:25 461:3 494:24	letting 265:22	life-saving 115:18 155:6	limit 8:2,6 11:9 13:18 38:25 115:4 119:19 203:3,12 268:20 312:16 318:6,13 408:18,25 432:1 457:14	links 46:19,22 46:23
legally 16:11 156:23 222:11 425:20 477:22	level 108:14 114:21 121:4 141:14 149:18 169:23,25 178:11,16,18 182:5,9 218:22 247:16 276:22 277:9,10,13,14 279:5,9,17 290:12 298:5 322:12 328:19 393:14 411:3 429:14 432:2 439:6 457:18 460:13 486:24	lifeline 257:2	limitation 98:15	liquid 57:22 58:1
legged 261:24	levels 27:2,19 37:23 65:25 66:4 72:24 90:6 139:15 160:17 169:3 171:20 190:3 207:25 232:13 253:6 255:23 256:7,7 274:16 276:1,21 278:15,16 280:21 328:16 339:7 383:23 385:18 394:1 436:15 440:10 443:16 456:15 467:8,17 472:12,17 493:21 497:22	lifetime 266:4 271:4 282:25 482:24	limitations 128:7	list 9:1 11:16 203:10 318:11 332:13 362:17 408:23 499:21
legislation 125:13 156:20 315:24	legally 16:11 156:23 222:11 425:20 477:22	lifelong 25:12 361:22 389:25 435:16	limited 30:5 38:11 163:7 167:13 266:8 271:9 285:16 309:23 341:16 484:3	listed 249:17 323:8
legislative 121:10 293:21 323:14	legally 16:11 156:23 222:11 425:20 477:22	life-saving 115:18 155:6	limiting 13:4 291:22 406:6,7	listen 12:25 16:16 18:10 45:25 194:14 230:17,18 473:25
Legislature 435:8	legally 16:11 156:23 222:11 425:20 477:22	lifecycle 182:10	limits 7:23 28:10 29:12 31:18 98:5 120:10 131:7 133:6 141:3 142:23 150:14 191:15 238:13 240:16 286:20 288:16 310:16 313:18 315:5 346:23 360:4 365:18 367:9 376:11 395:18 398:21	listening 3:17 235:15 361:4 499:16 500:9
legitimacy 79:22	legally 16:11 156:23 222:11 425:20 477:22	lifeline 257:2	line 72:25 82:13 357:2 429:22	lists 324:8
legitimately 473:4	legally 16:11 156:23 222:11 425:20 477:22	lifelong 25:12 361:22 389:25 435:16	lines 85:7 257:11 355:24 393:19 473:25	literally 249:3 323:22
Leigh 83:10 88:22,25	legally 16:11 156:23 222:11 425:20 477:22	lifetime 266:4 271:4 282:25 482:24	link 128:20 282:18 290:8 391:13 453:8	literature 78:24 79:1,4,18 152:25 276:21 277:9 285:24 292:22
lend 350:20	legally 16:11 156:23 222:11 425:20 477:22	lifetimes 258:14		79:1,4,18 152:25 276:21 277:9 285:24 292:22
lesions 142:8	legally 16:11 156:23 222:11 425:20 477:22	lift 248:3		litter 82:14
Leslie 62:20	legally 16:11 156:23 222:11 425:20 477:22	light 4:13 27:6 45:4 48:9 123:8 136:24		little 26:2 89:1 104:21 133:18 138:22 260:15 262:2 277:1,3 277:5 281:23 287:4 347:17 405:25
Lestini 357:10 357:11	legally 16:11 156:23 222:11 425:20 477:22			livable 57:1 152:8 310:18 356:18 367:13 381:18 399:21 475:24 478:12 478:18
let's 41:12 64:13 164:25 174:19 195:20 301:23	legally 16:11 156:23 222:11 425:20 477:22			

live 2:11,14 22:3 22:22 29:4 35:2 37:18 50:5 60:16 65:3,8 67:10 67:11 68:6,10 72:22 84:17 88:25 90:20 104:9 114:15 129:1 131:4 140:10,18 148:3 149:2,5 150:18 159:6,7 160:5 171:7 174:17 188:15 223:10 228:2 237:13 238:7 240:7 261:21 263:3 264:2 265:23 270:24 293:23 299:19 303:12 319:5 325:15 326:13 326:15 336:10 336:12,14 344:19 347:4 365:6,14 383:12 389:4 390:9,20 400:7 415:20 418:6 418:15 429:4 432:20 434:6 442:24 448:3 450:8,20,25 451:5,18 465:2 469:3 473:12 lived 103:18,20 116:23 133:16 185:20 213:20 229:5 239:21 286:21 301:4 301:17 302:20 352:20 354:17 379:9 384:22 387:17 414:6 442:18 481:18 livelihood 399:5 livelihoods 23:20 72:12	111:4 221:17 238:1 291:1 349:9 416:9 422:10 lives 23:19 24:22 37:2 45:8 56:15 72:12 76:11 106:17 108:1 111:3 113:15 120:10 122:13,22 139:8 140:25 154:1 167:10 168:23 169:3 185:19 189:20 196:9,11 212:9 238:1 243:20 246:13 263:5 265:1 287:15 287:23 291:1 301:21 303:17 305:11 319:20 320:11 321:6 349:9 358:10 374:17,19 377:8,11 378:7 399:22 416:9 422:10,21 431:4 432:6 437:19 439:2 439:11 444:8 467:25 470:3 470:18 479:22 livestock 253:19 living 29:9 40:9 40:20 54:17 68:2,13 100:8 103:17 104:15 142:6 153:1 166:1 169:5 173:8 175:12 183:17 189:20 199:12,14 201:13 214:8 221:10 234:14 234:17 236:14 239:22 241:25 263:25 303:18 319:19 326:16	345:10 374:13 375:18 377:14 382:22 470:7 480:9 488:22 489:9 495:19 Livingston 238:7 239:1 240:7 241:3 LNG 308:20 Loa 178:17 loading 258:12 loads 429:20 492:10 lobbying 496:14 local 100:13 118:4 119:21 128:2 201:12 217:25 223:25 247:23 341:10 347:11 372:12 380:11 396:10 402:21 406:4 440:9 451:3 localized 167:24 located 12:16 232:13 294:25 433:24 435:25 locations 498:8 locks 113:18 lodge 205:17 312:4 412:3 415:21 logged 354:25 409:14 451:23 logging 82:11 logic 193:18 logical 344:12 logistics 9:24 10:7 Lois 66:24 67:4 Lone 177:25 293:22 long 19:19 68:4 87:11 118:25 198:14 225:18 246:10 259:11 297:14 334:20 337:25 352:12 435:2,17 436:8	436:8,17 480:10 498:1 long-term 41:7 86:4 120:13 124:12 178:21 218:19 248:6 333:1 366:25 388:3 436:7 463:22 485:3 longer 4:16 20:7 29:20 40:8 90:4,13 138:24 141:20 154:25 258:22 300:23 334:3 461:6 462:20,23 483:14 longest 247:5 384:25 longevity 306:18 longstanding 38:21 109:21 124:10 look 5:17,22 18:9 44:8 57:4 59:23 69:15 75:18,21 105:16 174:19 195:21,24 196:10 239:18 241:9 246:18 249:2 273:4 347:22 349:2 looked 301:5 looking 150:11 153:12 171:24 363:2 380:14 453:1 looks 14:8 21:17 145:11 loom 116:24 looming 476:24 loops 193:4 loosen 375:13 Lori 291:10,11 Los 139:25 257:18 269:14 282:22 299:19 301:5,7 346:1	346:5 353:7 375:1 387:17 387:21 399:13 422:4 469:18 495:13 lose 37:21 56:11 56:24 123:15 123:15 156:20 246:13,13,13 246:14 283:9 321:17 424:8 444:7 losers 248:8 loses 216:2 losing 91:5 123:1 153:14 176:25 218:24 218:25 239:16 241:20 345:19 399:4,4 475:1 484:22 loss 18:13 87:23 140:1 229:13 283:6 295:21 296:2 360:9 375:10 410:22 411:6,6,8 423:8 455:5 458:18 474:16 losses 201:15 354:13 411:11 460:11 lost 39:22 82:10 96:3 122:25 169:3 191:9 196:11 221:3 227:21,23 243:17 250:16 287:20 297:8 301:11 346:2 349:9 353:16 354:3 360:13 376:5 394:9 399:11,14 422:10 458:17 466:9 469:20 470:2 476:22 483:13 485:1 lot 62:24 63:15
--	--	---	--	---

63:19 68:9	271:8,11	M	397:5 401:25	252:6 344:21
213:13 214:14	301:11 474:9	Macomb 255:19	403:17 414:1	355:9
291:20,24	lunch 200:5	Macon 223:11	420:7 422:22	managing
321:12 326:2	201:25 202:6	Madeline	424:19 463:16	176:13 257:8
331:21 336:4	202:11	184:17,24	470:18 471:17	263:7
364:17	Lundquist 478:7	Madison 252:8	473:3	mandate 42:13
lots 90:10 91:4	478:8,10	magical 347:12	majority 180:6	66:12 75:17
326:16	lung 46:6 50:10	magnified 50:13	234:8 324:5,21	123:7 167:16
loudest 197:11	72:20 103:17	main 277:17	498:10	199:22 208:23
Lough 311:7,8	105:14,14	363:24 468:21	makers 361:5	222:23 260:23
love 21:10,10	115:13 130:4	471:6,10,12	making 24:1	485:10
72:5 114:12,13	135:6 150:21	Maine 50:5	41:15 50:18	mandated 43:23
114:25 316:19	160:23 166:3	mainland 139:6	64:7 76:24	50:22 75:6
332:4 367:23	182:23,24	mainstream	80:4 89:10	235:11 341:18
378:15,21	183:2,17	284:13	90:3 120:13	mandates 74:20
484:5	184:12 185:4	maintain 38:25	135:13 174:18	87:1,17 88:7
loved 18:13	190:12,13	41:19 119:8	197:3 219:1	306:23
34:14 263:12	198:15 222:4	137:19 149:23	238:19 239:10	mandating
353:17	224:8 237:9	162:16 180:25	241:15 247:9	34:17
loves 22:6 484:2	255:15 264:10	201:18 202:7	250:13 254:6	maneuver 381:2
loving 411:19	264:11 283:13	216:21 244:13	258:20 263:21	Manhattan
low 54:4 58:15	386:2 389:17	250:3 251:21	281:16 314:14	345:12
179:23 190:16	419:24 423:13	259:19 303:21	324:18 350:13	manic 172:10
201:3 264:13	455:20 482:20	315:4 317:12	370:6 373:13	manifest 118:18
312:1 351:15	483:16 484:16	344:4 374:11	389:22 439:16	331:13
385:10 390:16	486:2 487:6	376:10 407:25	443:23 449:1	manifests
418:25 420:23	496:20	421:6 456:15	477:3 488:16	453:23
425:1 459:2	lungs 38:12 61:7	maintained	Malaria 391:25	Manijeh 352:10
463:23 467:18	90:1 102:20	407:10	malfunction	352:12
468:11	104:5 138:22	maintaining	144:13	manipulate
low-income	141:15 150:25	85:12 120:21	Malgeri 362:19	291:2
37:25 39:17	183:7 186:14	236:13	362:20,21,23	mankind 278:4
73:2	193:9 214:5	maintains 51:4	Malmgren	278:11
Lowcountry	299:1,2 302:25	maintenance	342:15,16,18	manner 389:5
247:23 248:23	312:4 356:17	40:16 123:4	342:19	manufactured
lower 5:12	389:13 427:9	200:21	Maman 96:12	4:20
120:13 137:10	487:13	majestic 411:15	96:13,17,18	manufacturers
245:15 251:16	Luther 46:5	major 20:4 25:3	man-made	4:15 27:4
314:12 345:12	Lutheran 187:3	30:16 41:2	226:13 278:3	45:10 51:8
354:9 367:2	luxury 225:8	72:22 94:6	358:19 399:2	87:22 180:13
425:12 439:4	lying 297:1	95:9,11 101:15	manage 177:11	245:8 249:2
463:10	498:17,18	110:7 142:13	492:22	446:5 481:6
lowered 199:15	Lyme 67:20,22	148:11 170:1	management	manufacturing
200:20	103:5,12	211:6,6 234:15	82:15 85:13	137:13 181:24
lowering 296:9	108:16 237:5	237:14 243:5	293:2 370:2	218:4 245:15
349:13 472:16	333:17 391:25	256:5 264:1,3	452:12	246:15 250:18
494:17	433:4,14	278:20 281:14	manager 22:4	297:2 334:12
lowest 396:9	Lysenko 77:15	282:24 372:10	39:7 114:3	342:13
lucky 266:7,10		375:18 377:14	131:4 133:12	March 4:22

65:13	Maryvale	Matthew 166:15	380:4 410:19	345:21 364:5
margarine 18:20	355:14,22	166:17,23	492:16 502:17	429:11
marginal 439:12	Mason 457:23	320:25 321:3	meant 25:7	medications
marginalized	mass 87:3 262:4	323:11,15	144:4 236:18	155:6 177:1,10
149:19 323:18	298:11	490:23	324:3,10	298:25 325:22
Marguerite 50:1	Massachusetts	Mauna 178:17	measles 19:14	327:3 415:18
50:3	33:14 40:25	Mayes 205:1,2,4	measurable	medicine 14:17
Maria 21:17,17	61:19 101:4	205:5	250:8	14:22,23 24:15
21:20 22:2	127:24 128:9	Mayfield 303:18	measurably	32:1 52:14
155:3 186:23	200:8 210:11	Mayor 119:14	426:1	53:19 91:11,16
Marianne 459:7	210:18,20	121:1	measure 50:17	142:3 155:19
459:8	212:15 226:2	McCombs	178:23,25	226:1 363:2
Maricopa	252:24 350:10	490:23,24	334:6	388:1 403:1
366:17	390:9,20 391:9	491:1,2	measured	415:1 471:12
Marie 1:22	465:3,3	McDonnell	278:18 482:13	medium 4:13
502:4,13	massive 77:9	379:2,3,5	measurement	45:4 48:9
Marilyn 404:25	80:8 85:15	McLean 91:9,10	4:17 216:7	123:8 245:20
405:11	143:19 183:10	91:11	MECA 180:14	340:19 341:12
Marina 242:23	212:5,16	MD 155:18	182:1	480:20
marine 267:8,14	218:18 319:10	meadows 411:21	mechanisms	meet 45:9 97:21
267:25 268:6	346:13 391:1	mean 90:6	371:9	285:21 343:20
307:12 411:20	479:13 486:25	132:24 141:19	medalist 398:25	446:8 492:12
Marion 303:18	match 144:15	157:4,11 177:3	media 296:20	meeting 2:9,18
Mark 102:13	matched 80:10	191:18 216:1	Medicaid 95:22	10:6 12:17
marked 349:1	material 7:3	221:8,13	176:20 485:3	202:6,17
market 26:25	materialize	293:12,12	medical 10:16	317:11,21
41:16 43:17	170:7	308:8 358:14	14:25 17:19	407:24 408:9
87:20 182:7	materials 245:8	361:6 366:24	18:4 19:12	meetings 275:22
209:4 342:10	math 292:8	375:6 414:5	25:16 32:2	mega 208:1
449:20	Matt 491:2	meaning 268:19	37:9 52:15,16	476:16 492:23
market-driven	matter 25:19	362:11	52:22 104:11	Megan 1:13
334:13	40:19 42:24	meaningful	158:20,21	362:19,20
marketing 74:11	54:15 80:15	118:24 130:9	159:5 176:13	Mehul 447:5,7
markets 43:22	93:1 104:18	201:15 347:25	191:11 201:14	Meisei 335:6,8
180:21 201:1,9	106:5 160:4	370:4 443:15	224:10,18	335:11
245:19 462:19	161:10,16	meaningless	312:19 333:15	Mellinger 14:10
463:16	163:13 181:1	297:22	337:18 354:4	16:18,20,21
marks 441:10	183:25 190:1	means 19:21	357:16 358:24	Melody 128:12
marred 34:13	297:22 299:2	24:5 39:20	364:3 378:8	128:13
married 293:24	311:19 312:5	58:8 63:21	402:21,25	melt 23:17 476:5
Marshall 418:16	313:14 370:10	70:6,12 77:5	403:21 415:18	melting 77:3
476:23	371:1,12	85:24 87:24	419:13 428:15	143:14 339:4
marshes 114:14	418:22 446:22	101:21 130:2	428:17 495:14	member 6:23
Marvin 454:18	474:23 481:10	142:1,6 185:20	medically 16:12	17:10 37:8
454:20	481:10 489:21	217:1 218:3,25	156:7	52:14 60:10
Mary 93:20 94:1	matters 31:17	222:7 229:8	Medicare 95:23	107:7 151:6
378:4	38:15 231:19	241:16 249:4	485:2	171:10 173:10
Maryland	330:19 441:10	291:5 308:21	medication	227:18 244:9
441:10 460:11	490:14	341:24 353:25	153:19 190:14	277:11 299:20

315:16 367:18	121:9,10	240:8 241:1,18	42:8 72:21	240:22 241:5
369:17 375:11	mess 64:11	254:21 255:8	80:2 95:5,20	265:1 293:15
375:16 415:5	message 12:17	255:14,18	95:22,22,23	355:20 356:16
417:16 419:11	106:3 147:2	332:23 405:15	126:10 136:5	361:13 365:20
426:19 478:14	223:7 359:22	413:3	167:19 168:5	404:17 434:5
495:14	412:19 440:3	Michigan's	168:21 174:21	492:11
members 9:16	messages 446:23	221:11 254:25	174:22,24,24	miner's 104:2
55:23 91:15	met 51:7	255:12	175:1,11 187:4	minerals 151:16
118:14 126:11	meta 193:25	Michiganders	189:24 191:3	mines 105:19
135:17 136:5	metabolic	222:2,20	231:7 232:25	mini 406:16
138:4 150:10	487:17	241:23 256:3	237:13 263:25	minimal 484:17
150:16 159:5	Metayer 119:13	256:21 333:4	275:8,9,14,16	minimize 34:4
172:16 180:17	meters 282:24	micro 314:17	289:5 293:6	132:18
187:5 231:7	methane 68:18	microburst	299:2 307:15	minimized
252:9 260:16	130:10 183:20	214:13,17	328:18,19,22	194:10
260:22 262:7	198:9 215:19	micronutrients	336:14 344:2	minimizing
282:7 301:10	215:22 216:12	494:17	358:11 360:19	26:21
315:18 323:14	308:21 346:17	microphone	372:25 377:13	minimum 46:16
323:14 324:13	388:25 393:21	277:2	398:13 405:23	281:21 425:17
324:14,18	413:17 416:21	microphones	412:10 419:23	minimus 439:10
328:6 337:19	434:2 472:12	10:21	431:9 432:18	minister 72:1
374:7,20 375:5	489:3	mid 382:22	451:2,2 488:2	Ministries
394:14 398:8	method 79:5,7	middle 165:22	million-acre	376:18
399:14 412:10	310:23	214:1 223:21	169:11	Ministry 367:20
418:10,15	methods 8:23	327:19 329:19	millions 20:23	Minneapolis
458:19 476:21	98:23 206:21	483:24	29:24 53:25	133:16
memo 28:17	290:8	midlevel 59:3	76:10 114:16	Minnesota
memories	metric 28:9,15	Midwest 25:4	122:14 126:25	134:3 215:15
347:21 484:9	metro 130:3	121:12 122:6	127:6 134:9	216:17,25
484:12	150:22	124:17	148:24 239:22	217:19,21
memory 63:24	Mexico 112:18	migration 298:8	241:24 243:25	218:21 219:7
men 151:8	488:22 489:14	308:4	297:8 323:24	384:15,24
Mengelkoch	MH 420:11	Mike 7:25	366:22 376:22	Minnesota's
302:3,4,6	Miah 349:17,18	202:24 317:24	398:17 410:20	218:3
mental 34:8	Miami 14:23	mile 28:2,4,11	414:7 425:2	Minnesotans
55:20 132:4,8	mic 204:24	336:15 433:24	490:10 499:5	218:8 219:12
132:10 135:9	Micaela 249:21	miles 27:11	Milwaukee	minority 285:8
142:4 172:4,10	249:23	139:1 150:17	141:6 252:8	minute 203:12
233:21 366:20	Micah 31:24	165:13 169:22	253:24	317:6 318:13
404:4,5 416:12	32:1	254:7,8,9	mind 15:19	408:25
428:22 429:24	Michael 1:12	257:20 269:4	195:20 303:13	minutes 8:3,8
457:4,22 458:2	180:10,12	279:1 303:17	334:10 466:5	10:23 11:8
458:4 459:3	331:25	443:12	minded 57:9	13:19 47:8
mention 118:17	Michigan 105:1	military 165:16	mindful 296:16	67:11 68:6
429:19 499:24	105:9 133:17	307:15	mindful 296:16	78:18 153:10
mentioned	133:25 220:1	Miller 24:11,12	mindful 296:16	202:9 203:5
264:6 298:21	220:18 221:2	24:13 371:20	minds 102:19	317:13 318:7
427:22	221:18 238:8	371:21,22	104:5 272:19	408:1,19 413:5
Mesnikoff 121:8	238:24 239:14	million 28:9	mine 23:9 121:5	443:1
			151:8 238:21	

mirror 153:13	134:12 159:24	343:12,15,24	478:19	180:11 187:1
mischaracteri...	161:4 233:8	438:21	Montanan	200:4 201:24
285:20	252:20 254:3	moderate 435:9	478:10	205:2,3,4
mischaracteri...	262:1 265:4	modern 65:17	Montanans	207:10,11
285:25	334:3,22	modifications	478:21 479:21	210:9 311:8
misconstrues	335:17,23	75:14	Montauk 436:2	500:5
125:5	337:1 351:25	moisture 90:24	month 33:16	mortality 341:4
miserable	359:11 377:23	mold 333:17	68:4 122:9	Moseson 482:16
483:18	384:7 386:20	mom 60:25	127:12 212:13	482:17,19,20
misguided 98:25	386:23 392:4	249:1 345:6	215:23 286:23	mosquitoes
124:2 126:4	412:14 423:10	366:2 403:14	345:7	55:21 226:18
205:7 206:25	434:14 439:15	Mom's 347:5	monthly 477:20	mother 18:21
210:13 212:19	455:7 466:3	365:15	months 257:19	19:1 22:5
468:19	471:24 481:7	moment 25:13	320:4 383:21	24:23 29:6,8
misinformation	482:12 499:7	133:4 188:25	403:20,22	31:20 89:1
331:21 396:20	missions 308:6	219:3 260:2,7	441:8 479:16	102:12 140:22
397:2	Mississippi	266:23 405:3	488:6 497:19	145:17,18
misinformed	144:6	413:23 414:11	Montpelier	150:15 260:11
162:7	Missoula 479:14	414:18 438:8	391:5	281:2 300:2
misleading	Missouri 127:9	440:2 442:25	monumental	360:10 375:16
127:19 496:13	mistake 36:19	Moms 19:6 22:5	80:11	426:19 478:10
mispronounced	247:9 314:25	29:6 128:14	moon 19:13	483:12,22
204:13	misunderstan...	131:4 138:3	moral 24:4 38:5	mother's 467:23
mispronouncing	47:21	140:19 143:6	77:11 115:25	mothers 16:24
14:3	misuse 335:25	145:16 150:9	226:12 244:16	360:7,21 362:2
mispronuncia...	mitigate 85:13	152:5 286:16	367:11 377:2	motivating
225:23 238:5	116:3 137:15	299:20 344:21	378:19 381:2	213:6
265:10 273:8	170:11 210:17	359:25 360:6	446:18 455:7	motivations
282:5 302:3	278:17 351:13	365:7 432:17	494:24	313:6
335:6 352:10	mitigated	Monarch 406:13	morality 21:5	motor 4:7,7
447:5 461:19	193:12	money 90:10	morally 16:11	39:11 87:25
497:5	mitigating 198:5	91:4 139:24	Moreno-Domi...	94:11 98:16
misrepresenta...	mitigation 170:2	201:3 254:5	355:5,6,8	103:14 131:8
97:25	492:16	259:20 263:24	morning 2:3 3:2	133:7 141:3
misrepresents	mobile 136:16	287:15 298:19	14:16 31:25	142:24 161:2
49:13,16	137:20 462:4	321:18 324:8,8	37:6 39:5	173:22 205:9
127:23	464:1 492:1	324:8 386:17	41:25 44:14	206:18 207:20
missed 39:21	mobility 180:16	394:6	46:22 50:2	208:22 209:2
191:2,18,19	181:9	mongering	60:2 69:20	209:10 210:15
354:3 358:14	mobilization	331:6	71:18 74:5	210:21 211:3,9
386:7 433:11	374:2	Monica 257:23	78:12 80:25	211:13,23
missing 151:4	model 4:19 46:2	monoxide 58:12	91:10 99:14	212:21 237:10
163:1 438:2,14	48:17 216:6	93:2	107:3 112:11	240:16 264:9
mission 5:9 15:7	342:4	Monroe 95:4	119:12 123:23	329:11 337:23
15:22 17:2,3,8	modeled 156:14	monsoon 68:3	128:16 131:2	349:25 365:18
76:19 83:1	modeling 47:22	Montana 173:8	133:10 135:25	367:10 372:6
112:5 120:18	47:23 137:9	291:12 415:2,3	137:25 152:17	438:3,6,16,18
120:21 126:15	models 49:17	415:8,21	158:8 160:9	452:20,20
126:17 130:19	331:7 343:12	460:22 478:13	166:23 175:8	453:15

motorcycle 275:20	399:3	Myrtis 37:4	302:6 304:16	Natalie 410:3,5
motorcyclists 275:25	muddled 276:24	<hr/>	304:25 307:12	nation 23:23
mount 100:15	multi 122:23	N	309:11 313:15	51:25 53:8,25
126:24 232:20	multi-faith 114:5	N 2:1	317:20 319:4	58:4 80:10,18
mountain	multiday 479:15	NADA 86:19	323:7,15 325:1	110:22 150:16
126:23 323:19	multinational 36:22	name 2:8 12:4,6	327:14 332:13	150:23 151:7
324:2,6 377:19	multiple 79:8	12:11,13 14:4	332:16,22	174:1 215:21
476:17	123:9 129:14	14:6 16:21	335:8,10 337:9	216:21 325:3
mountains	129:15 141:18	19:5 22:2	340:12 342:19	329:18 336:8
232:21,22	142:5 150:18	24:12 29:3	344:18 347:3	342:22 356:5
257:23 414:13	157:17 176:1	34:24 39:5	349:18 352:11	382:11 406:13
mounting	181:6 184:8	50:2 57:14	355:8 359:24	425:10 459:4
206:23	257:25 263:10	60:7 64:14,16	362:20 364:23	nation's 51:5
mourning 18:13	284:24 290:23	64:17 65:2,7	365:5,13	52:3 57:16
353:16	301:10 306:7	67:4 74:5 76:7	367:17 371:21	106:7 107:20
mouse 12:10	343:3 393:9,18	78:13 84:4	373:25 376:16	112:19 118:5
move 13:15	416:15 433:8	88:24 94:1	381:24 384:14	175:24 182:25
21:19 51:12	462:4	96:18 104:24	387:13 392:21	189:16 208:15
69:3 78:22	multiplier 292:11 308:3	112:13 114:2	395:10 398:8	231:2,6 232:16
82:25 104:20	multiply 433:5	116:18 119:13	400:6 402:18	426:7 491:10
158:25 170:5	multipollutant 49:2	121:9 128:13	405:11 408:8	national 22:4
180:10 216:5	multisector 346:19	131:2 133:11	409:15 410:5	37:9 42:5
217:17 228:23	multitude 109:2	135:25 138:1	413:1 414:24	43:13 50:23
242:22 274:3	multiyear 383:1	140:17 145:14	421:14 432:15	61:25 62:5
276:11 297:6	municipal 303:15	147:21 152:18	434:21 437:11	71:14 79:15
297:11 298:17	muscles 215:6	155:17 158:8	440:5 442:15	86:17 95:18
298:18 317:10	Mushinsky 93:20,21,25	160:10 162:12	444:21 447:7	98:5 111:14
323:4 362:9	94:1	166:23 173:6	450:6 451:24	114:4 125:22
413:1 497:21	Muskegon 255:19	175:8 182:22	459:8 461:24	129:3 134:16
moved 45:21	mute 67:3	184:23 187:1	466:17 469:2	158:21 159:5
139:20 242:23	142:18 202:22	189:12 192:6	473:13 475:14	169:11 193:22
262:7 264:4	219:16 266:23	194:25 197:24	478:9 482:19	194:2 205:16
303:5 348:19	267:1 329:25	200:5 202:16	485:25 491:2	227:10 230:25
361:2 476:6	392:17 417:8	213:4 215:14	495:11 497:9	231:4,8,11,12
movement	456:21 464:17	223:10 228:16	named 109:12	231:23 232:11
283:21 398:10	495:10	230:23 235:22	388:21 406:11	232:15,19
moves 299:8	muted 10:21	238:6 240:6	names 204:13	233:5 235:11
moving 32:15	145:11 164:22	242:8,19 247:3	namesake 411:8	235:25 244:22
41:16 88:20	299:15 438:11	249:17,23	naming 252:25	249:24 269:3
201:9 204:19	myriad 231:9	252:5 254:19	Nancy 119:11	307:14,22
279:1 319:2	422:3	255:6 257:15	119:13 299:13	309:7 316:7
332:9,17		260:10 262:18	299:19	328:5 335:12
354:24 414:20		265:23 267:7	narrative 79:2	342:20 350:21
424:6		267:24 270:23	330:16 493:16	369:16 374:2
Moya 430:3,4		273:1 274:1	narrow 493:16	376:18 380:13
430:12		279:23 282:8	narrowly 285:15	387:23 406:14
mud 383:18		284:4 286:15	NASA 274:20	410:6,20 411:1
		289:1 293:20	324:13	411:22 412:6
		296:19 299:18	nasty 166:2	415:22 416:3,5

419:13,21 425:7,18 486:7 495:14 nationally 424:19 nations 246:14 313:21 314:4 314:19 315:6 463:8 nationwide 56:17 113:11 412:10 native 55:3 151:12 313:16 314:9,22 406:16,19 411:7 natural 43:21 74:9 77:4 118:20 136:2 173:17 217:15 231:6 248:22 278:5 290:9,16 295:12 308:19 316:19 321:24 351:9 391:20 411:9 428:20 428:22 429:5,9 429:9,23 431:18 432:5 445:2 453:19 461:10 480:7 496:7 naturally 449:19 nature 18:22 19:1 70:4 188:22 276:3 330:17 339:22 345:13 429:16 460:1 Navajo 150:16 151:6,8 navigate 176:23 Navy 275:24 Nazor 177:21,22 177:24,24 near 39:16 75:20 104:15 199:14 201:13 311:22	377:14 391:11 469:3 480:9 nearby 72:22 127:9 214:14 237:14 418:10 451:3 nearly 113:12 123:3 126:12 141:24 143:22 168:20 180:14 181:10 209:12 229:9 336:10 345:24 357:23 358:2,17 378:7 477:11 478:22 nears 196:17 necessarily 48:14 necessary 18:4 66:1 71:4,9,12 81:9 82:16 98:6 196:24 209:1 254:3,5 288:7 310:24 437:1 necessity 163:17 251:23 329:15 Ned 94:19 need 8:5 11:4 12:6 18:2 36:16 41:16 54:6 55:10 96:7 106:5 107:23 138:15 140:2 164:10 177:16 189:23 190:13 197:15 206:1 213:7 216:21 218:23 218:24 242:14 257:2 259:14 267:18 274:12 281:9 322:22 324:15 348:13 355:3 356:10 361:10 371:8 380:4,13 394:13 426:25 443:19 444:7	446:25 449:5 451:12 456:15 485:2,12 492:22 needed 9:4 17:8 25:15 27:25 313:22 347:19 395:21 481:4 needs 21:4 28:17 75:11 147:8 179:24 212:18 225:15 240:20 279:15 297:5 329:16 372:17 396:14 437:20 485:9 negative 26:25 48:14 69:6 84:19 107:25 146:24 149:10 235:4 326:2 328:9 351:18 368:18 388:16 391:19 458:3 468:7 negatively 161:12 269:11 368:12 383:11 446:5 neglect 362:4 481:11 neglected 61:6 negligent 61:15 negligible 278:22 438:5 438:17 negotiable 336:21 381:5 neighbor 333:10 neighborhood 105:12 157:2 227:23 264:15 319:24 355:15 367:2 418:14 435:25 442:23 476:13 neighborhoods 156:10 163:3 256:18 257:20	355:23 356:2 356:16 385:13 391:1 405:21 448:3 451:4 neighboring 419:3 neighbors 15:21 55:13 72:6 114:22 118:13 164:15 261:1,2 261:3,16,16,19 319:20 355:22 367:12 378:4 378:22 382:16 neighbors' 405:18 neither 18:25 47:17 199:20 216:21 Nepal 373:4 NESCAUM 371:23,25 373:18 Nessel 219:15,18 219:23,24 net 40:15 48:22 101:22 136:25 177:8 209:12 340:24 425:19 426:4 447:10 464:3 network 71:21 71:25 87:15 102:9 116:20 175:10 247:4,6 247:25 249:25 252:9 323:17 333:15 335:13 349:23 367:21 Neumann 493:1 493:2,4,7,8 neurodegener... 429:2 487:15 neutral 75:24 123:9 neutrality 462:13 Nevada 73:17 316:18 423:1	470:23 never 27:24 43:24 114:21 116:23 123:6 170:23 214:19 239:7 241:9 243:12 298:24 319:19 402:1 466:5 482:7 488:7 new 4:7,7 19:22 19:22 22:3 23:10 33:14 35:8 42:21 47:20 48:4,7 48:13 53:19 55:4 73:13 81:2,4 82:4,7 86:21 88:9 91:12 96:19,22 97:2,5 98:2,10 98:16,20 99:8 107:5 108:10 109:19 166:24 167:9,20 168:5 168:8,8,12,21 168:23,25 169:2,4,8,8 170:1,8,21 176:19 184:7 185:22 209:2 209:19 227:19 262:20 264:21 265:23,25 268:16 270:24 271:1 294:22 323:21 328:5 344:19 345:10 357:14,23 358:1,7,13 360:25 371:24 371:24,25 372:14 373:2,3 391:2 395:11 395:15,20 397:24 403:1 403:18 424:14 425:5 435:6,7 437:13 441:14
--	---	---	---	---

442:2 446:7	351:6	Norway 373:3	285:2 294:19	163:18 251:22
449:13 452:20	Nobel 14:21	noses 67:20	332:17 397:25	252:25 413:20
455:10 456:23	Nogales 113:2	nostalgic 347:13	422:23 447:20	494:25
459:21 461:9	nominal 181:6	note 2:10 8:25	448:11 449:2,8	obligations 4:16
464:4 465:20	non 111:9	10:20 12:19	456:3 458:13	134:11 216:8
473:21 488:22	non-EV 161:2	13:12 68:1	470:20	424:4 446:19
489:14	noncommunic...	75:12 88:18	numbers 49:9	463:7
newborn 264:16	234:19	119:1 152:16	160:22 245:1	obscure 492:5
441:23	nonfederal	200:2 437:5	316:9 358:14	Observatory
newborns	341:9	noted 95:13	415:11 416:12	178:17
467:23	nonpartisan	292:19	numerous 70:10	observed 100:12
newly 215:3	249:25 254:22	notes 61:23	70:24 183:19	obstacle 277:17
news 127:8	255:9 342:21	502:6	325:20 326:7	Obstetricians
283:11 427:21	374:2	notice 7:14 8:24	326:11,24	17:23
435:20	nonprofit	64:2 84:11	373:11 394:8	Obstetrics
NHTSA 59:9	147:24 148:1	343:3 437:8	428:17	419:12
nice 18:21 400:2	197:25 228:19	noticeable	nurse 60:8,24	obstructive
476:2	267:9,15 268:2	278:25	173:7,25	483:16
nickel 497:22	268:7 307:14	noticeably	223:11 304:17	obvious 126:25
night 153:8,20	323:15,17	302:19	309:12,22	444:9 454:11
217:13 262:10	342:21 349:21	noticed 103:8	428:12,13	obviously 47:9
333:11 347:16	398:10	notification	nurses 60:11	67:24 175:2
347:20 443:11	nonsense 45:25	11:20	173:11,12,20	278:22 364:4
456:12 483:24	nonsensical	notion 78:21	304:19 305:24	394:2
Nightingale's	294:12	November 28:18	306:2,13,24	occupational
305:13,17	nonvaccinated	325:18	309:13 333:14	52:18
nights 117:12	174:4	NOx 27:16,20	363:5	occur 62:2 276:3
441:15	normal 23:21	27:21,23 28:1	nursing 60:9	290:14 415:25
nine 129:11	259:18 424:15	28:2,4,6,10	305:12	occurred 129:11
169:1 190:2	443:12,13	48:23 70:22	nutrients 274:13	214:16 290:5
325:17 441:2	498:12	181:1 388:9	494:3	351:8 430:14
487:19	normally 326:20	NPCA 231:2	nutritional	454:7,9,10
Nishanga	385:2	412:9	494:16	occurrence
259:24 260:10	north 56:23	NPR 441:13	Nymph 433:11	53:16 369:25
Nishigaki 31:24	138:2,4 139:4	NRDC 136:4		occurrences
31:25 32:1	139:20 150:17	NRDCs 126:10	O	310:1
Nissa 175:7,9	181:10 192:7	nuances 27:3	O 2:1	occurring 33:7
nitrogen 42:23	205:15 276:22	nuclear 295:3	Oakland 255:20	50:20 51:2
93:1 161:10	277:10 360:14	Nugent 327:9,10	421:14	214:13
163:13 184:1	374:25 377:20	327:13,15	oaks 114:15	ocean 114:23
385:25 389:7	399:15 402:20	number 5:5 8:4	oath 47:2	267:11,16
471:22	412:2 474:6	8:16 12:20,21	objections	268:3,8,9,11
nitrous 81:24	Northeast 22:9	12:24 53:22	192:12	290:13 397:22
389:6 393:21	78:15 131:24	73:14 95:17	objects 462:25	octane 58:24,24
Nixon 260:18	northern 253:16	103:11 132:9	obligated 206:19	59:3,8
no-win 90:19	347:5 375:2	138:20 162:24	obligates 353:21	odd 317:7
NO2 388:25	Northwest	169:9 177:15	481:16	odds 49:19
NOAA 85:9	166:11 450:25	179:10 193:3	obligation 21:7	OEMs 27:9
284:22 295:10	483:1	232:6 274:25	40:24 110:20	offer 109:7

175:16 297:4 298:25 offering 180:21 offers 315:23 487:6 office 2:20,23 3:4,10,13,19 9:19 47:2 99:6 99:15 170:12 224:18 293:2 364:12 399:12 447:25 officer 2:25 3:15 6:6 7:21 8:1 317:25 offices 252:7 official 6:22 8:17 9:10,14 119:21 298:12 officially 267:13 268:5 officials 207:16 254:24 361:17 384:5 offshore 435:12 Ogallala 229:19 oh 145:13 265:15 267:21 405:4 426:16 440:4 466:5 Ohio 29:5,5,17 29:24 31:20 367:19 oil 67:15,19 69:6 74:8 77:16 104:15 136:10 137:12 140:4 142:12 144:7 245:24 259:5 259:11 281:14 294:16 297:15 308:18 336:15 339:18 434:2 460:4 474:23 488:24 489:15 OK 12:13 okay 17:1 21:25 93:22,25 102:7 106:23 107:2	147:17 152:14 166:22 177:24 187:1 192:4 200:2 223:9 242:18 244:6 252:2 265:20 270:22 273:14 273:16 299:16 304:16 305:2 325:12 327:13 332:22 357:8 359:20,23 362:23 387:12 392:20 395:8 405:2 407:13 412:23 417:9 417:13 462:8 464:18 465:1 485:23 493:4,7 old 24:25 25:7 116:25 195:1 260:14 278:8 287:10 339:3 345:6,7 375:12 390:1 485:14 older 23:1 32:13 256:14 260:15 374:3 385:9 448:22 491:22 oldest 23:23 182:25 189:18 231:2 Olechiw 1:12 7:25 202:23,24 317:24,25 Oliver 147:18,18 150:3,4,6,7 Olympic 398:25 Omega 48:16 49:17 omission 286:1 omissions 285:19 on-highway 4:1 4:13 once 135:16 186:1 204:23 228:6 346:21 368:17 407:3	436:21 475:2 oncologist 158:20 419:11 oncoming 380:7 one-off 110:24 one-size-fits-all 74:20 one-third 227:11 one-year-old 61:4 onerous 88:7 ones 18:13 34:15 106:6 239:12 241:17 263:12 276:5 346:5 353:17 433:24 474:9 475:6 ongoing 383:3 online 11:2 228:9 407:15 499:19 onscreen 11:1 onset 161:20 open 5:25 8:18 12:12 153:17 202:7 317:11 361:10 407:24 420:17 opening 2:21 37:22 378:6,6 500:4 operate 57:20 Operating 187:16 operational 46:21 operationalizing 392:11 operations 250:25 434:2 opinion 195:7 339:1 369:8 388:15 opponent 297:23 opportunities 56:25 315:23 opportunity	6:18 7:10 8:11 8:19 9:5 10:5 22:1 26:22 30:11 41:20 42:1 62:23 76:3 86:11 88:24 102:8 105:2 112:2,12 116:18 119:15 128:15 138:1 140:17 149:25 158:10 160:10 164:18 171:6 175:16 182:16 184:15,23 195:2 198:1 199:24 201:21 207:15 210:4 223:9 225:25 251:23 252:11 265:7 273:25 276:15 279:23 282:8 286:15 289:1 291:16 300:11 302:5 311:9 313:14 321:3 325:15 327:7 335:8,10 340:16 344:15 355:7 357:3 369:10 373:14 378:21 379:4 392:8 395:9 402:17 405:7 414:24 417:14 419:7 421:15 436:20 437:6 447:7 464:8 465:2 469:1 473:11 478:9 488:17 499:18 oppose 19:7 31:21 39:9 44:17 52:5 53:9 57:8 99:17 105:4 130:21 131:6 135:19 143:7 146:6 150:12	160:14 185:10 198:2 205:6 220:2 231:17 238:12 242:21 265:2 286:18 304:20 307:16 310:19 311:13 320:19 324:1 347:6 374:7 407:9 428:10 432:22 434:16 447:12 466:18 482:22 495:17 opposed 236:3 240:14 337:19 342:23 352:2 357:19 417:22 422:11 450:9 451:19 452:16 454:14 470:8 opposes 124:1 298:12 opposing 107:17 opposite 17:7 18:3 309:2 314:21 386:22 opposition 29:11 32:4 50:6 60:3 84:10 89:3 91:24 116:21 148:5 195:3 207:17 210:13 223:14 226:5 233:16 284:7 298:17 302:9 335:14 360:2 367:25 369:9 382:2 384:16 410:9,11 423:24 445:7 454:25 459:16 497:13 opted 119:1 optimal 178:12 optimums 278:2 option 189:7 options 75:25 424:25 oral 6:18,20
--	---	---	--	---

11:7 203:10	organizations	224:15 233:22	130:1 258:23	153:18 274:14
318:11 408:23	17:20 18:4	263:14 348:21	overlooks 342:9	429:17
orally 13:20	60:13 194:13	370:17 385:2	overly 87:19	ozone 51:10 53:7
orange 25:2 81:3	231:3 244:10	484:2	172:15	53:15 54:11
255:21 418:7,8	336:8 459:12	outdoorsy	overprotective	56:2 70:21
orbit 331:12	organizer 29:5	476:11	145:25	81:20,23,24
ordained 72:1	67:5 138:3	Outer 139:19	override 208:20	82:3 93:1
order 9:1 13:16	150:8 365:7,15	outlier 401:5	oversight 101:16	125:11 141:14
13:25 69:25	Organizing	outline 47:12	overstated 52:3	141:15 150:23
88:20 111:18	355:9	211:5	overturn 280:1	150:25 161:15
126:18 203:22	organs 103:24	outnumbers	280:12 289:19	161:16 164:1
203:24 207:5	oriented 322:7	132:11	493:10	198:16 199:3
222:25 275:13	original 71:10	outpace 449:12	overturned	214:5 255:18
318:4,23	99:22 108:9	output 250:15	26:11	356:5 371:1
322:23 340:2	originates 95:1	250:16	overturning	383:22 385:18
343:4 408:16	Orlando 152:21	outrageous	183:14 280:17	388:9,25 389:2
409:25 412:24	Orleans 227:19	36:13	303:22 327:17	389:3 476:21
457:11 461:2	Ortiz 480:2,3,5	outside 22:7,16	363:10 421:3	486:24 491:18
475:10	480:6	27:8 30:6,6,8	overused 292:4	
ordered 210:21	Oscar 238:5,7	30:11,12 31:7	overwhelming	P
289:16	OTAQ 46:22	54:4 55:17	20:2 92:3	P 2:1
orders 5:7 203:2	other's 303:17	89:18,20 95:1	100:2 147:5	p.m 7:12 202:3
ordinary 99:1	Ottawa 255:20	115:11 127:4	164:12 183:12	202:10 317:7
Oregon 39:7,12	otters 261:23	133:15 193:8	287:16 291:6	317:14 407:20
40:9,19 41:8	ought 439:12	233:25 234:4	300:13 350:11	408:2 501:5
41:14 284:6	ounce 304:7	240:1,12 266:8	377:6 397:16	pace 51:2
302:20,21	outage 479:15	271:9 280:25	401:6 413:15	296:16 339:9
444:24 445:12	outages 261:5	284:13 333:6	426:2 443:14	485:18 491:12
445:22 482:21	333:18 479:8	366:7,19 385:5	473:16	Pacific 166:11
484:10	outbreaks	387:21 398:14	overwhelmingly	242:24 269:16
Oregonians	124:19	400:3 427:11	61:22 375:23	482:25
445:5 446:2	outcome 296:7	outstripping	417:1	pack 40:11
organ 389:13	outcomes	488:2	owes 439:17	117:11 208:1
486:20	108:18 146:24	outweigh 354:10	owls 262:2	301:8 393:14
organic 70:23	149:10 154:20	outweighed	owned 319:21	411:6
161:11 183:22	176:10 190:15	494:9	481:11	page 47:11 64:1
487:4	251:10 282:19	ovens 490:7	owner 405:13	96:4 157:19
organization	310:14 415:16	overall 245:18	450:7	pages 46:22
17:11 51:5,18	467:22 468:14	331:16 453:9	ownership 44:2	502:6
91:17 138:5	outdoor 56:6,8	472:18 499:23	Oxford 95:4	paid 403:25
183:1 189:19	145:22 224:13	overburdened	oxidative 234:20	pain 361:9
236:7 254:22	250:14 256:15	170:14	oxide 42:23	429:11 433:13
255:9 267:15	261:12 347:11	overcome 45:22	81:25 385:25	433:16
268:7 282:11	353:5 358:8	291:4	393:21 471:22	painfully 115:1
302:8 307:14	366:23 385:9	overdose 404:11	oxides 161:11,11	paint 312:21
323:16 332:24	395:15 398:12	overflows	163:13 184:1	pale 22:17
349:21 355:10	398:16 406:3	251:10	389:6,7	Palisades 242:21
357:15 376:19	483:25 491:22	overheat 331:5	oxygen 64:6,11	242:24 243:5
462:2 478:11	outdoors 145:19	overheating	144:10 153:16	269:16 399:13

443:4 470:4	202:1,4 426:12	parents 15:11	particles 39:15	113:4 448:25
Palmer 143:4,5	428:7 430:2,8	18:25 138:13	174:21 256:6,7	passage 69:23
143:5 147:16	432:13 434:19	151:25 152:6	311:25 383:24	passed 160:15
Pam 1:18 2:3,8	437:3 438:7	162:25 191:5	particular 67:16	268:12
9:23 10:1	499:25	242:23 243:8	157:18 256:7	passenger 27:5
14:12,14 16:17	Pamela 60:1,7	266:10 271:12	438:1 453:9	93:6 135:1
19:2 21:15,23	pandemic 174:2	283:15 432:18	particularly	passengers
24:10 26:17	174:7	pariah 77:21	15:15 22:10	275:24
29:1 31:22	panel 1:11 6:24	Paris 77:18	23:24 87:23	passes 113:1
34:22 37:3	76:13 88:21	79:25 432:3	161:2 168:3	passionate
39:3 41:22	92:14 134:15	parishioners	176:6,12	133:20 367:22
44:12 47:3	172:16 193:23	422:9 470:2	183:16 281:5	Pastor 187:2
49:24 52:9	204:4 242:9,9	Park 412:6	342:8 403:11	378:4
54:24 57:11	260:16,22	415:22	457:19 467:16	Pat 309:10,11
59:25 62:19	262:7 273:1,2	Parkinson's	particulate	path 28:25
64:24 65:5	323:3,4 332:9	487:16	27:16 42:24	42:14 43:5
66:23 69:17	332:17 337:14	parks 230:25	54:14 93:1	110:21 126:3
71:16 74:3	354:24 363:14	231:4,5,8,11	161:10,15	130:12 259:1
76:5 78:9	409:6,7,8,8	231:12,23	163:13 181:1	319:11,23
80:23 83:9,19	452:2,3,3	232:11,12,15	183:25 311:19	434:22 477:15
83:22,25 86:12	panelist 11:21	232:19 233:5	371:1,12 389:7	pathetic 76:11
88:17 91:7	204:21,23	269:4 406:6,7	418:22 487:1	pathogens
93:18,23 96:10	219:15 437:5	410:7,20 411:1	491:17	290:17
96:14,15 99:10	panelists 190:8	411:2,14,23,25	particulates	pathologist
102:3,6 104:19	204:2,5,15	part 7:6 30:22	56:3 58:13	52:12
106:20,25	207:6 242:10	63:2 65:14	81:20 165:14	pathway 313:22
111:22 112:8	249:20 273:3	110:25 145:19	418:23	341:21
113:25 116:14	323:6,10	145:24 199:21	parties 6:12,18	pathways 123:9
119:10 121:7	337:12 355:3	210:1 216:22	126:14	patience 207:5
123:21 126:7	362:11,14,18	221:11 224:23	partisan 260:19	patient 153:6
128:11 130:24	409:6,11,18	246:6 259:13	partly 488:23	157:5 177:2
133:8 135:22	447:2 452:1,5	292:14 373:8	partner 218:24	189:19 358:4
137:23 140:14	471:7	383:11 406:18	218:24 403:24	358:24 364:14
143:3 145:8	panels 11:17	421:23 469:12	partnering	patient's 404:15
147:15 150:1,5	314:18 323:3	480:12	336:7	patients 16:14
152:11,15	Panhandle	participant 12:9	partners 357:17	24:22 50:11
155:10,15	295:17	participants	399:10	51:21 53:2
158:6 160:6	panic 172:8	11:3 242:12	Partnership	54:1,19 60:14
162:10 164:19	345:18	323:2 332:11	114:4	60:25 93:8
165:1 166:13	paper 92:8,13	412:19	parts 174:23,25	152:24 154:5
166:21 171:2	92:23 127:14	participate 3:8	275:8,9,14,16	155:2,21
173:3 175:5	paradox 492:15	145:21 321:17	328:18,22	156:25 157:23
177:19,23	Paragraph	464:9 500:7	369:25 418:6	158:23 159:7
180:7 182:18	157:18	participating	451:1,2	159:13,19
184:16,20	pardon 436:8	5:21 13:6	party 473:25	160:20 162:6
186:21 189:10	parent 22:19	479:2 500:9,10	Pasadena	169:10 213:23
192:1,5 194:23	37:14 61:10	particle 51:10	269:16 442:18	213:24 224:15
197:18,21	71:23 241:12	54:11 383:23	469:3 497:10	224:21 225:7
199:25 201:22	242:3,3 365:22	385:25	pass 103:20	282:10 291:23

306:2,7,14	213:22,23	42:8 43:7 54:3	364:21,25	406:23 407:8,8
364:1 403:7	357:12 426:18	56:10 57:6	375:12 376:10	407:10 416:17
415:5,9,12	pediatrician	63:14 67:9	377:13 385:9	420:7 425:5
421:1 426:24	16:22 25:9	68:13 69:3	391:15 394:5	434:11 438:19
447:16,25	37:7 291:13,19	73:1 100:13	394:12,21	439:4,9 441:24
458:13 472:19	pediatricians	103:17 104:8	396:21 399:23	448:15 454:4,9
473:1 483:7,9	17:12 38:5	112:6 114:25	402:3 410:20	457:5 458:6,23
483:15 484:16	156:2,3	116:9,11	416:9 423:12	460:14 474:18
486:2 487:11	pediatrics 17:11	117:14,24	428:24 429:6	percentage
488:10	24:15 37:8	118:13 120:5	431:4 439:18	70:12,15 71:5
patients' 363:10	292:19	120:24 121:16	442:10 444:1,7	95:16 399:9
Patrice 432:14	peer 127:21	122:14 127:12	448:12 454:11	perfect 155:16
432:16	peer-review	129:18 130:18	455:19 456:17	165:1 299:17
Patricia 86:13	111:10 467:1	132:10 136:23	458:9 465:14	464:23 493:7
86:15	peer-reviewed	139:23 144:11	474:9,17,20,23	494:2
Patrick 41:23	39:25 98:23	146:16 151:13	480:15 489:23	perform 274:13
42:2 379:1,4	100:24 108:7	162:20 164:13	490:8,13	performance
patriotism	206:21 226:8	167:19 168:21	496:19 497:17	84:6 347:12
288:12	289:14,22	169:3 172:15	499:9,20	performing
patterns 81:19	310:22 350:11	174:3,4 176:11	people's 133:21	58:15
114:16 250:21	353:23 372:17	177:16 180:6	140:9 150:8	peril 279:6
392:1 411:10	393:9 410:13	183:17 185:7	183:7 314:9	perils 220:19
479:9	414:5 416:7	188:21 189:17	321:6 363:20	period 5:25 7:11
Paul 44:13,14	475:21 493:17	190:2 194:8	370:20 374:17	46:15 81:9
63:18 106:22	Pend 173:9	199:14,23	386:18 498:19	227:12 373:10
107:4 115:7	pendulum	201:13 205:24	peoples 314:22	454:5,6
371:20,22	248:10	212:20 214:4	percent 18:3	periodically
pave 313:2	penetrates	214:15,22	42:22,22 62:9	82:6
paving 247:17	186:14	215:5 222:3,24	65:19,23 73:9	periods 278:1
296:22	penetration	224:8,17	73:16 79:20	312:11 495:20
paws 366:14	87:21	225:17 227:17	80:8,9 84:22	permanent
pay 36:25 113:2	Pennoyer 50:1,2	230:10 233:9	90:22 95:18,19	59:20
137:22 199:9	50:3	234:14,23	97:3,23 102:22	permit 492:15
270:2 298:25	Pennsylvania	237:22 249:9	131:25 139:11	perpetuate
321:20 334:10	33:14 67:5,11	253:1 258:1	139:17 141:10	314:8
341:25 345:21	68:2 78:16	263:14 266:6	152:2 156:14	Persaud 265:14
355:20 356:7	88:25 90:22	269:1,7,19	221:4 227:1	266:25 267:2,6
484:24	102:11 103:25	270:1 279:3	232:12,16	267:8,14,21,23
paying 39:21	104:6 162:14	281:23 293:9	234:12,15	267:25 268:6
68:15 122:2	162:21 213:18	298:2 301:18	248:12 274:21	persist 351:15
204:2 362:4	213:21 214:19	306:25 311:16	275:2 278:17	persistent 303:1
376:4 399:18	379:6,16	311:22 312:8	282:25 300:19	persists 383:10
485:2	432:21 434:23	319:6,8 320:7	328:7,24 329:1	person 8:2 10:7
pays 489:24	Pennsylvanians	321:16 322:20	336:9 338:4,15	13:17 63:25
Peace 14:21	103:11	326:17 331:3	338:16 339:14	102:10 106:9
Peccoz 464:13	people 18:13,23	336:23 337:2	342:3 366:17	115:10,13
464:14,18,21	20:9,24 23:1	346:14 347:8	373:3,4,5	191:10 193:8,8
464:24 465:1	24:8 35:18	351:15 362:2	379:23,24	203:3 213:16
pediatric 37:15	36:5,23 40:6	363:12 364:9	385:23 399:11	318:5 325:2

382:21 394:17 408:17 person's 364:7 personal 75:11 105:20 117:19 152:23 153:7 224:2 333:8 336:6 355:21 468:8 478:20 478:24 personally 81:10 117:7 174:2 227:16 243:6 302:19 382:21 382:25 387:18 perspective 109:8 164:18 334:16 perspectives 284:15 persuaded 394:9 persuasive 257:8 pertains 486:9 pertinent 439:1 pessimistic 55:9 pests 221:8 Peter 313:11,15 petition 278:6 petrochemical 143:19 145:4 294:15 434:7 petrochemicals 30:19,20 143:6 petroleum 74:7 453:15 pews 376:22 pharmacist 152:19 phase 42:11 43:10 44:4,8 216:13 340:22 341:20 496:1 phases 79:8 PhD 107:23 155:18 304:18 phenomenon 65:16 173:18 Philadelphia 65:4,9 133:15	134:2 486:6 Phoenix 35:2 36:15 205:20 205:22 236:21 310:7,10 349:4 355:15,23 356:8 375:4 441:20 Phoenix's 375:19 phone 11:3,3 12:1,20,21 273:13,19 332:11 362:12 464:19 phones 12:2 475:5 photos 25:2 photosynthesis 274:14 physical 30:10 34:7 65:16 132:2 220:24 366:20 429:25 physically 22:13 132:12 physician 24:14 32:2 50:3 91:12 93:7 155:20 158:20 160:11 165:5 213:15 226:2 260:11 337:18 362:25 363:8 402:19,23 415:1 420:25 447:9,22 466:20 471:13 486:5,16 488:20 physicians 14:19 17:21,22 50:9 52:23 91:14 92:7 160:12 165:5 171:11 226:3 311:11 349:20 426:20 physics 64:17 297:23 388:11	475:19 477:16 Physiological 149:4 pick 22:12 picked 111:10 picks 248:8 piece 156:20 237:18 pillow 365:25 pine 411:19 Pineland 169:11 pinetrees 411:17 476:14 pink 61:7 pioneering 63:19 pipeline 144:6 pipelines 74:10 143:14 pities 77:23 Pits 144:18 Pittsburgh 67:12 68:7 213:25 282:9 place 31:2 32:21 35:7,11 72:14 73:16 75:15 96:7,8 114:11 161:25 164:17 167:11 170:24 181:8 234:6 237:25 259:17 268:19 283:12 287:6 309:24 336:2 344:14 347:13 352:7 386:10 400:2 433:21 444:3 444:13,13,18 456:6 476:8 479:14 places 84:17 133:19 170:2 255:19 278:9 326:19 placing 411:20 plain 476:9 plains 115:15 Plainsboro	437:13 plaintiffs 460:21 plan 82:8 112:21 123:15 218:5 233:8 419:18 472:24 planes 243:14 planet 28:13 32:11 35:24 55:7 57:1 76:19,24 79:25 92:11 94:13 116:11 133:23 136:8 140:9 147:10 150:20 156:22 157:8 157:11 158:4 178:9,13 187:15,21 188:21 239:11 246:9 258:23 259:22 294:11 298:3,4,9 329:20 331:6 362:3 383:10 398:11 402:8 410:23 416:2 427:18 428:5 429:17 450:12 473:15 486:22 490:9,14,19 planet's 290:4 426:24 Planetary 155:22 planner 417:15 planning 41:7 248:6 279:2 392:10 435:21 plans 54:22 68:23 218:22 231:25 371:7 plant 92:17 144:1 154:1 261:2,19,21 274:11 278:15 305:10 411:7 414:2 494:1 plant/soil 493:23	planting 406:18 496:8 plantings 406:17 plants 73:7 119:20 120:10 125:1 140:4 148:10 154:16 161:17 162:4 183:24 191:16 215:22 216:12 274:12,16 375:14 376:1 406:19 476:13 497:16 plastics 30:19,20 434:8,9,13 plate 170:9 platforms 182:13 Platkin 166:15 166:17,19,22 166:24 plausible 461:4 play 30:5 31:7 57:23 58:1 78:6 89:16 224:12 240:1 282:14 287:2 366:7,23 427:11 451:5 468:6 played 69:25 playgrounds 31:10 162:25 366:8 playing 31:9 182:10 240:12 247:15 294:3 320:8 348:21 366:19 plays 304:3 382:7 plead 482:4 please 2:10,17 8:25 9:13,18 10:20,23 12:3 12:15,19 13:8 13:12 14:1,6 24:7 34:19
---	--	---	---	--

37:2 44:19	383:24 491:24	340:6 356:19	127:25 128:2,4	45:17 46:11
46:19 54:22	pneumonia	395:10 400:23	143:23 144:25	50:17 51:10
62:14 111:25	153:23 154:19	413:19 439:17	152:4 161:15	53:6,16 54:12
116:10 133:5	pocket 19:17	440:7 444:25	176:9 180:25	55:14 56:2,3
155:8 162:7	345:22	453:12 462:22	183:22 193:15	67:18 68:14,18
166:9 186:17	podcast 267:9	political 45:18	200:10,11	70:3,4,17,22
202:7 204:2,7	268:1	66:17 69:3	201:13 212:15	71:1 72:17,19
225:22 228:8	podiatrist	76:15 77:25	220:7,17	72:24 73:5,18
238:4 240:1,3	495:13	185:1 192:15	237:12 264:9	76:22 89:23
242:7,13	point 12:23 33:4	192:19 195:7	281:1 283:2	90:6 94:22,25
246:12,19	69:13 83:15	236:2 254:22	288:8 292:13	95:25 99:3
249:11,18	187:10 260:20	255:9 260:21	292:14 304:5	100:5,17 101:3
264:24 265:4,9	274:23 310:6	297:17 312:6	310:21 346:18	102:24 103:15
273:4,7,21	334:17 397:5	330:13 360:23	353:22 358:21	106:8 110:16
281:25 282:4	436:2 456:13	380:25 393:2	371:4,7 386:1	115:19,25
288:14 293:14	pointed 297:19	395:13 473:23	388:24 406:23	119:19 120:22
296:8,15 302:2	298:16	politicians	419:20 425:23	121:17 123:7
305:3 316:24	points 213:13	269:12 381:9	434:4 452:24	124:5,22 125:1
317:11 318:24	399:9 441:3	politicized	471:21 472:8,9	125:17 128:21
323:4 328:1	poisoning 34:14	277:19 475:20	pollute 68:15	130:3,10
332:13 335:5	poisonous 56:1	politics 66:18	77:4 157:11	132:18 133:3,6
337:10 340:5	486:19	78:7 120:23	296:22 299:9	134:22 135:8
352:9 355:1	polar 279:6,12	135:16 179:16	427:24	140:24 141:3
362:5,14	police 281:11	260:14 277:16	polluted 53:7	142:15,24
364:22,23	policies 15:1	277:18 336:23	185:14 190:9	143:10 146:20
387:4 392:5	42:25 43:2	378:4 394:6	256:5 428:23	146:24 148:9
394:13,14,20	52:17 54:21	490:13	476:3	148:22 149:8
407:14,24	75:22 80:19	poll 300:18	polluter 170:16	150:14,19,24
409:8,16 437:9	124:10 164:2	polled 458:6	258:18,19	150:25 151:21
438:10 444:17	185:8 190:22	pollen 141:20,20	polluter's 36:21	153:4 154:2,6
446:24 447:4	272:13 283:12	416:14 483:14	polluters 36:25	154:6,13,15,16
451:23 452:5	396:6 414:1	Polling 20:25	68:15,23	154:23 156:7
459:4 461:19	425:4 460:13	polls 458:1,3	130:19 136:23	157:1,15,21
479:23 485:18	policy 15:12	pollutant 64:3	150:19 170:13	158:12,25
497:4	17:12,24 28:18	75:14 121:16	183:14 235:6	159:10 160:18
pleasures 261:10	28:24 58:14,19	122:23 141:14	257:10 311:4	160:20,24
plenty 33:8	79:15 92:23	181:3 192:19	336:23 361:18	161:8,16 162:2
105:9 107:22	113:16 119:18	193:7,11 274:8	386:18 466:4	163:9,19
264:16 447:25	121:11 123:25	276:7 300:20	496:16	167:25,25
plug 335:2	124:1 128:14	330:12 446:15	polluting 48:21	168:15 173:2
342:20 343:21	147:25 163:21	452:24 453:3	139:22 161:23	174:13 175:25
372:25 425:6	175:25 176:18	471:25	480:22 485:14	183:20,23
plugged 164:25	180:3 189:25	pollutants 34:5	pollution 16:6	184:11 185:20
plus 56:11 301:7	192:15 195:10	36:14,15 46:13	23:7 30:17	190:3,7,18
PM 388:9,25	201:6 216:16	48:2 61:21	31:18 34:13,14	191:24 193:5
PM2.5 48:24	219:9 264:23	68:19 82:5,21	35:18 36:10,12	196:2,25
166:3 256:6	289:2 291:14	93:2 101:10	37:18,23 38:12	198:12 208:14
311:19,24	292:19 330:25	109:23 110:5	38:15 39:13	211:18 213:24
312:3,22	338:24 339:24	125:7,10,14	44:21 45:2,4,7	214:8 224:8,12

224:22 229:3	399:17,24	population	post-traumatic	practical 71:12
230:8 232:10	410:18 419:22	23:23 60:9	132:7	88:14
232:18,23	420:8,18,21	67:25 441:8	posted 10:11	practice 60:8
233:4,6,10	421:3,7 422:17	467:13,14	potent 322:18	93:7 154:18
234:2,18,24	422:21,22	populations	434:3	231:18 333:16
237:6,8,23	423:4 424:5,17	54:8 60:15	potential 236:4	373:22 402:22
238:14,19	425:15 426:4	148:3 149:2	294:8 331:9	420:11 472:19
239:10,23	427:13 428:18	298:7 307:6	437:19 439:11	practiced 415:1
240:16,21	431:5,8 432:11	397:7 468:17	449:15 491:12	488:21
241:15 250:21	432:19 433:19	porch 103:7	potentially	practices 82:12
252:14 255:18	440:19 442:3	Pork 125:22	247:17 383:6	261:11 348:17
255:23 256:9	444:1 448:1,2	port 168:8,9	403:17 404:14	479:9
256:13,22	453:6,9 455:10	portion 84:23	poultry 81:1	practicing 14:17
258:15,17,20	455:12,13,17	245:18 389:4	pound 38:13	91:12 152:20
259:2,15	455:22 456:1	Portland 444:24	304:7	362:25 415:8
262:24 266:18	460:18 461:14	Porto 242:23	pounds 27:7	486:5 495:12
269:18 271:19	462:17 467:17	ports 39:17	power 5:7,15	practitioner
280:21 281:4	470:14,17,19	112:17 311:22	30:18 57:7	147:23 223:11
286:20 288:16	477:10 480:11	480:9	73:7 92:17	428:13
292:16,20,25	480:25 481:8	portside 156:15	102:20 119:20	practitioners
299:4,7 301:16	481:16 484:19	Portugal 498:7	120:9 125:1,22	363:6
301:20 305:11	487:1,8,9,13	pose 169:23	125:23 133:1	pragmatic 28:1
305:22 306:3	487:19 495:16	413:17 473:14	140:4 148:10	praying 103:10
306:17,22	496:4	487:4	154:16 161:17	333:7
309:21 310:13	pollutions	posed 88:12	162:4 165:24	preamble
311:17 312:12	120:10 291:25	109:2 208:12	168:21 182:8	125:15
312:16 313:19	397:18 471:1	220:17 222:9	183:23 191:16	precautionary
314:2,7,13	ponderosa	321:15 333:2	215:22 216:12	453:2
315:5 325:19	476:14	392:25	238:18 261:5	precautions
326:5,10,18	ponds 391:11	poses 17:13	273:10 305:10	142:7
329:13 334:25	poor 25:10 30:4	100:5 208:8	313:17 314:6	precedent 34:17
335:22 344:6	82:11 93:10	221:22 316:3	315:19 333:18	41:5 176:5
346:23 348:14	105:12 113:9	position 92:8	345:19 375:14	200:16 310:25
352:15 355:25	135:12 159:9	105:4 209:20	376:1 394:6	414:6
356:5,10 360:4	186:6 199:2	positions 413:10	414:2 421:17	precious 60:19
365:18 367:10	224:16 225:4	possessions	454:22 469:5	precipitation
368:11,14,19	234:3 244:21	458:17	479:8,15	108:14 131:23
368:22 370:5	310:14 364:17	possible 11:11	497:15	217:12,14
371:9,13	383:20 385:14	79:18 161:8	powered 453:15	379:24
372:13 374:4	420:18 424:21	166:6,7,8	powerful 19:16	precisely 48:6
374:11 375:20	479:5	203:15 216:22	45:22 80:18	49:4
376:12,24	poorer 110:22	313:18 318:16	144:16	precursor
383:23 385:25	299:10	388:14 395:18	powerfully	289:17
386:11 387:19	poorest 420:14	401:15 409:3	353:19	precursors
387:21 388:3	poorly 114:23	425:8 430:10	powering 83:1,7	371:2
388:11 389:9	pop 249:1 437:8	438:9 498:14	powerless 272:4	predetermined
389:22 395:19	Pope 46:3 115:7	possibly 404:21	499:2	79:3
395:23 396:4,8	popular 214:14	449:2	powertrains	predicated
397:6 398:22	407:7	post 364:14	26:22	455:24

predictability 124:13	premiums 368:23 443:16 484:25	presiding 2:25 3:15 6:6 7:21 8:1 317:25	previously 169:6 369:17	442:16 475:23
predictable 221:15 486:17 494:14	prenatal 361:23	Preskill 249:21	price 37:1 39:21 48:13 87:23 270:2 355:20 356:7 362:4 399:18 405:25	privately 489:13
predicted 20:4 169:12 179:9 434:11 455:25	prepare 46:18 307:25 443:21	press 9:16,19 369:21 436:5 441:7	prices 42:16 87:9 113:2 137:10 201:5 248:17 297:13 341:6 344:8 376:3	privilege 60:15 107:5 392:12 396:21
prediction 129:10	prepared 24:2 100:20	press@epa.gov 9:19,20	primarily 285:3 340:20 416:20 457:8	Prizes 14:21
predictions 467:8 488:8	preparedness 498:22	pressing 12:2 206:12	primary 24:16 89:23 95:21 126:17 156:16 229:19 363:8 389:15 447:8	pro 77:17 94:3 165:24 255:10 259:9
predisposed 486:25	preparing 46:24	pressure 401:16	Principal 84:5	proactive 85:12 406:11 492:8
preeclampsia 467:19	prerequisite 4:6	presumed 44:4	principle 110:14	probably 227:4 278:25 495:20
preeminent 107:20	Presbyterian 315:16 377:19	pretend 18:18 18:22	principles 187:19	problem 21:1 70:5,17,22 71:1 169:21 170:19 209:5 213:20 229:23 267:22 364:7 370:1 453:24
preempt 125:19	prescribe 4:10 122:19 471:24	pretends 98:19 137:5	prior 4:20 5:3 11:21 87:5 136:24 151:14 253:9	problematic 276:25
preexisting 54:3 222:3 404:5	prescribed 492:7,15	preterm 33:19 190:16 418:25 467:18	priorities 195:22 196:23 447:19	problems 21:18 56:18 146:22 151:11 163:15 190:10 195:17 232:18 234:24 264:10 279:6 316:13 363:24 364:3,21 375:12 419:4 472:13
preface 79:17	present 115:6,21 157:20 178:10 189:8 220:7 462:10 483:19	prevail 490:8	prioritize 159:2 183:14 359:4	proceed 93:17 202:24 275:22
preference 413:19	presentation 6:19	prevails 487:22	pristine 165:11	proceedings 14:2 318:25 502:5
pregnancy 403:13,19,23 404:12 442:1 467:21 468:4	presented 78:24	prevent 60:21 94:22 120:11 132:23 156:17 156:25 162:1 272:15 351:3 356:11 386:15 420:3	private 24:13 71:22 81:5 341:10 369:2 381:25 387:14 402:22 405:12 437:12 440:6	proceeds 371:5
pregnant 160:3 222:2 225:1 234:25 256:15 403:12 467:16	presents 27:14 403:3	preventable 307:1 328:15		process 7:6 28:7 175:21 187:7 192:18 242:10 291:8 310:22 362:10 373:12 373:13
prehistoric 275:12 276:5 276:10	preserve 175:17 231:3 246:9 250:5 316:19 399:24 444:14 492:19	preventative 433:9		processes 193:9 234:21 245:15 284:22
preindustrial 139:14 432:2	preserving 24:5 460:23	prevented 16:8 50:16 407:1 420:20 488:1		proclamation 187:9
premature 40:18 45:16 120:11 135:10 154:18 161:18 196:1 198:22 256:23 264:11 307:1 312:2 336:16 386:2 407:1 420:3,9	president 5:6,11 14:19 42:2 52:22 64:14 68:24 81:3 83:6 86:21 91:17 98:12 129:4 158:21 160:12,13 182:23 245:23 305:16 321:11 393:2 394:10	preventing 177:5 358:11 479:1		
prematurely 151:11	presidential 189:15	prevention 304:7 404:10 447:23		
premise 124:21		previous 43:9 74:21 95:13 96:1 97:1 131:21 213:11 342:4 373:12 452:18 455:14		

produce 62:13 112:19 113:1 179:20,25 215:3 221:10 245:10 274:14 274:17 295:5 314:7 329:4 429:18,21 472:3	134:6 171:11 197:8 213:17 250:1 289:6 291:12 306:20 332:25 349:22 352:5 357:16 415:3	221:5 290:20 386:15 416:8	property 258:3 263:5 295:21 296:2 319:21 445:21 479:7	249:12 265:3 266:2 270:5 271:3,23 272:7 280:1,12 284:7 285:9 286:18 288:13 296:8 296:21 299:11 307:17 320:19 320:22 326:4 326:23 329:11 330:20 337:19 341:8 347:6 349:24 350:5 350:15 360:3 369:21 370:12 370:23 372:1 372:19 373:10 384:17 386:22 421:1 423:24 424:2,7 425:20 426:6 437:24 442:7 463:1,21 463:25 464:8 480:17 481:9 482:10 493:10
produced 173:16 214:5 353:20 374:14 400:11,12 489:18	professor 14:22 52:13 63:18 363:1 387:25 459:9 493:8	projections 341:21 379:13	proportional 27:22 438:23	288:13 296:8 296:21 299:11 307:17 320:19 320:22 326:4 326:23 329:11 330:20 337:19 341:8 347:6 349:24 350:5 350:15 360:3 369:21 370:12 370:23 372:1 372:19 373:10 384:17 386:22 421:1 423:24 424:2,7 425:20 426:6 437:24 442:7 463:1,21 463:25 464:8 480:17 481:9 482:10 493:10
producers 57:17 125:22 250:23 294:18	profit 135:16 325:6	projects 435:24	proportionately 172:3	372:19 373:10 384:17 386:22 421:1 423:24 424:2,7 425:20 426:6 437:24 442:7 463:1,21 463:25 464:8 480:17 481:9 482:10 493:10
produces 42:21 213:25	profits 179:20 297:15 477:2 490:13	proliferate 249:9	proposal 3:23 4:20,21 5:19 7:15 8:24 9:10 9:15 15:4 16:14 17:5,9 18:2,18 29:11 35:15 36:20 38:20 39:9 42:10 44:17,20 47:11 48:23 49:1,20 52:6 53:9 59:14,15 60:19 74:17 76:11 84:13 89:7 91:25 98:7,19 99:17 99:20 100:19 101:1,10,13,19 101:25 112:24 113:7 114:7 119:8 121:14 121:25 123:20 124:2,7,9,20 125:5 126:5,14 127:22 128:1,3 131:6 134:24 136:13 145:3 149:23 162:8 167:6 170:24 181:2 185:10 201:18 205:7 206:25 208:11 208:17 209:1,8 209:16 210:2 210:14 211:2,6 211:7,19 212:4 212:19 218:11 220:4 223:15 231:13 233:17 238:12 240:14 246:6 248:1	proposal's 424:17
producing 488:24	program 47:6 76:4 114:3 133:12 230:24 360:1 410:6 417:15 445:3	promised 123:10 245:24	propose 4:12 83:15	proposals 296:6 371:5,18
production 57:19 59:11 87:3 250:10 295:4 305:21 331:17 389:2 449:10 494:14	programs 13:4 478:19	promises 477:19	proposed 3:17 4:1,15 6:13 7:1 7:6 9:9 49:11 59:5 60:4 61:14 73:22 74:14,21 75:7 84:11 89:3 92:2 116:22 118:7 119:17 148:6 157:16 158:5 167:2,10 169:20 170:5 170:23 175:14 176:5 183:8,9 193:1 199:17 206:13 207:18 215:23 216:25 220:11 222:22	proposals 296:6 371:5,18
productive 233:23	progress 40:6 55:12 80:5 115:4 147:11 168:14 186:3 216:9,20 230:9 232:1,9 284:21 305:24 314:14 336:1 352:23 386:18 445:14 496:10	promising 69:1 123:12	prop 449:18	propaganda 194:21
productivity 85:20,25 191:10 201:15 250:9,12 251:15 354:8 368:25 485:1	promote 43:1 204:5 249:19 265:12 323:10 337:11 447:2 452:1 471:7	prompt 17:17	propel 32:8	properly 82:8
products 28:22 340:1	promoted 11:21 204:1,15 273:3 323:6 355:3 362:13,18 409:5,10,18 452:4 493:20	prompting 33:13	properties 435:24	
profession 60:10 305:12	programs 13:4 478:19	promptly 202:9 317:13 408:1		
professional 17:11,19 38:6 60:13 91:20 92:6 197:25 200:18 223:12 334:16 440:7	progressed 436:19	promulgate 422:16		
Professionally 387:25	prohibited 310:3	Promulgated 45:5		
professionals 52:25 84:10	prohibitively 44:3	prone 90:20 364:6 435:25		
	project 78:17 84:5 228:18 436:3,6,16,19 459:14	proof 350:15 425:8		
	projected 51:8 95:6 122:7			

225:10,14	130:14,19	437:1 442:9	359:12 365:19	provided 54:21
226:5 228:23	134:12 136:18	443:25 461:14	374:11 396:13	100:2 109:18
231:16 235:8	138:10 142:23	468:17 472:7	396:16 406:21	198:4 285:14
237:20 252:13	146:9 149:24	477:23 479:23	421:2 433:21	380:15 402:19
256:24 257:17	150:11 151:25	480:15 485:5	443:18 444:12	provider 224:6
268:22,23	152:7 156:21	486:3 488:13	444:18 490:5	providers 41:8
285:6 289:19	157:8 158:3,22	499:7	protective 52:17	54:20 60:20
294:6 302:10	159:24 161:4	protected	98:8 144:18	174:6 177:10
313:6 333:25	163:8 164:10	301:24 354:22	151:9	311:3
335:15 341:15	167:16 186:15	protecting 5:10	protects 230:15	provides 6:17
343:3 352:17	186:16 196:4	17:4 29:14	protein 494:17	86:3
369:8 373:16	199:12,22,22	75:9 111:19	protocol 79:6,8	providing 24:16
373:19 382:3	210:3 212:20	112:5 120:23	79:11	58:9 60:3
382:18 384:4	218:7,21 222:8	133:21 140:8	protracted	75:24 273:25
417:23 422:11	222:23 225:16	152:8,9 158:11	498:3	276:14 344:12
422:13 440:11	231:3,21 233:8	176:16 185:21	proud 72:2 76:8	433:3
445:7,8,13	235:17 236:12	198:4 218:23	109:14 182:22	prudence
447:12 454:25	237:22 240:3	219:2,8 254:4	216:18 269:2	194:16
455:1 459:16	241:11 242:5,5	255:12 267:15	305:24 313:8	PSR 160:14
462:14 470:9	252:10,20,25	268:7 288:10	436:12 475:15	349:20,21
470:10 478:15	254:25 260:23	300:9 304:3	486:6	350:3 352:4
489:2 493:12	262:23 265:5	345:8 372:8	prove 334:21	psychiatric
497:13	269:1 272:4,18	378:20 381:17	427:16 460:6	17:24 132:9
proposes 51:6	272:22 281:22	402:10 420:4	proved 407:5	172:2,18
98:14 211:8	282:1 287:25	439:15 482:8	proven 44:6	428:13 456:25
proposing 43:4	294:10 302:15	protection 2:5	99:22 101:16	457:24
86:22 94:10	307:4 311:16	3:3 38:22	164:2 180:17	psychiatrist
123:15 168:13	313:18,24	101:15 120:19	237:11 258:5	171:8 456:23
170:19 206:22	320:22 324:4	149:22 209:24	303:8 329:3,5	457:19
272:2 437:15	324:15,19,21	215:16 220:3	331:7	psychosis
proprietary	335:17,19	225:12 236:8	proverbial	428:25
10:15	337:1 345:2	252:12 305:9	404:16	PTSD 458:15
prosperity 84:14	346:14,24	324:20 334:4	proves 20:2	public 1:4 2:5
352:24 381:4	347:8 349:23	352:16 374:18	80:14	3:6,21 5:24 6:3
449:3,4,16	351:25 358:23	379:7 382:15	provide 6:4 7:5	9:24 10:3,8
prosperous	358:24 359:9	384:8 500:17	8:19 9:4,8 11:6	13:11 15:10,24
74:22	362:6 378:17	protections 23:6	11:13 13:20	34:9 40:3
prostituted 78:1	381:6 382:15	40:4,19 94:22	51:8 58:16,19	44:22,23 45:6
protect 15:7,23	385:14 386:21	99:1 106:5	59:18 78:18	46:13 52:17
17:3 18:5 24:7	392:4 394:14	120:9,15,22	85:19 112:2	60:8 63:21
24:8 26:10,12	394:21,23	133:4 138:8	119:15 122:23	66:6 68:19
34:18 35:18	395:17 396:3	141:5 149:19	188:8 203:10	76:19 81:8,13
38:6 51:5 54:8	398:9 399:21	177:7 191:24	203:17 209:12	84:14 85:23
61:6 66:2,8	404:20,22	238:22 252:15	272:1 313:22	93:3 97:12,12
72:15 76:19	407:6 412:14	257:3,9 281:24	318:11,18	98:2 100:6
93:3 106:9,16	418:4 420:25	288:17 293:11	367:4 395:21	105:7 107:11
106:16 120:12	424:5 432:10	300:1 307:21	405:10 408:23	110:18 112:5
120:19 121:15	432:18,25	309:23 346:19	409:20 437:20	113:18 120:15
126:17 128:19	434:15 435:12	354:16 356:22	469:21 500:22	120:19 121:18

124:5 125:2	390:2 391:17	486:6	puzzling 193:16	48:2 49:7 78:6
130:20 131:3	392:11 393:22	pulse 267:11		361:14 381:11
133:13 134:2,4	394:15 395:10	268:3	<hr/> Q <hr/>	questionable
134:5,20	395:24 406:17	pump 113:3	qualified 493:22	193:2
135:15 137:3	408:6,15	136:11 254:6	Qualitative 49:8	questions 2:17
139:2 147:22	412:13,14,25	294:16 344:8	quality 2:24	6:24 7:2 9:17
148:11 151:23	413:11,18	pumped 258:14	3:14 25:2,10	13:13 110:7
159:25 163:21	417:25 419:20	pumpkin 81:22	30:4 31:5	182:17 248:5
164:7,11 165:4	424:5 440:7,24	purchase 87:22	33:13 39:8	279:18 372:10
173:2 174:7	441:5 442:9	88:8 338:21	40:6 48:15	394:3 439:1,7
175:16,22	446:1,17	344:1	53:15 56:4	498:3
176:3,16 184:2	452:25 453:7	Purdy 315:12,12	81:20 85:21	queue 83:18
187:8 191:25	453:14 457:25	315:15,16	89:15 90:6	quick 249:16
192:11,16	463:1 467:3	purport 243:19	92:25 93:10	344:9 446:22
194:7 197:24	472:1,5,8	purported 49:4	94:23 105:12	quickly 59:13
198:5,13	480:13 481:14	purpose 6:11	113:9 130:7	154:13 214:25
199:10 200:12	481:17 482:8	49:16 296:21	135:13 138:15	280:10 383:7
201:11 202:14	485:5 489:3,6	purposes 71:12	138:19 141:22	465:19 477:17
203:1 206:17	489:20 490:3,6	pursue 118:24	146:4 150:20	478:3 494:8
208:10,12	495:2 496:13	190:22	163:25 181:5	quid 77:17
209:14 210:3	500:10,16	pursued 330:13	186:7 209:15	259:9
210:22 211:12	501:3	pursues 122:25	217:4 221:25	quiet 344:9
215:19 217:5	public's 158:11	push 87:5 481:4	224:16 226:9	403:15
218:15 223:12	311:2 388:18	pushed 494:6	234:1 238:24	quite 198:6
223:17 224:2	publications	pushes 248:4	241:2 253:6	393:1 394:18
224:23 226:10	358:17 363:17	397:23	255:15 283:1	446:13
229:3 230:2	publicly 10:11	put 42:13	284:6 285:12	quo 77:17 259:9
231:19 240:19	10:12 76:17	123:18 130:18	285:23 295:25	quote 69:24 71:7
242:3 250:11	489:12	134:9 151:22	302:24 305:21	92:9,15,24
251:6,22 254:4	published 3:22	167:10 186:17	325:23 328:8	122:19 206:9
255:13 268:9	6:15 9:11	206:9 220:24	328:10 338:22	401:1 434:25
268:16,19	53:18 79:1,18	269:24 283:12	364:16 369:22	435:6 436:6
284:25 288:19	122:5 227:10	284:17 312:7	375:21 379:12	439:9 475:2
293:25 294:13	276:20 277:8	319:19 325:5	382:12 383:20	quoted 188:16
300:18 306:12	290:22 316:7	347:16 374:19	384:25 385:15	
307:5 312:13	345:13 350:17	376:10 377:24	387:23 388:17	<hr/> R <hr/>
316:3 317:18	389:10 403:1	497:16 499:20	388:20 390:2	R 2:1
318:3 330:16	460:1 463:24	puts 38:14	396:6,24 406:9	Rabbi 454:18,20
330:25 334:20	Puerto 155:3	105:18 110:21	414:9 420:14	454:20
337:5,16	Puget 165:12	283:20 292:13	420:18 424:20	races 399:1
338:24 339:24	pull 229:23	309:3 386:18	424:21 451:2	Rachel 39:4,6
340:4 346:10	314:24 448:23	427:10 433:25	476:20 479:5	96:12,18 282:5
346:20 353:22	pulling 308:14	498:18	486:4 492:12	282:8
359:7 369:1	pulls 380:10	putting 23:19	Quality's 39:8	Racine 225:23
370:14 371:17	pulmonary	56:10 72:11,23	quantify 439:8	225:24,25
372:6,9,22	415:15 471:12	77:18 143:11	quarter 142:15	228:11
373:14,20	pulmonologist	188:21 235:6	366:16 488:2	radiated 179:3
378:22 381:17	282:9	319:12 339:21	queens 196:5	radiating 179:1
382:4 384:20	pulmonology	465:25	question 47:25	Radiation 2:21

3:4,11,19	ranges 494:7	202:18,20,24	260:17 329:14	407:17,20
radicals 389:1	ranging 138:17	204:6 207:6	realized 32:23	408:3
477:2	rank 356:4	301:9 317:22	117:22 345:18	recesses 348:19
Rafael 315:17	ranked 95:15	317:23 318:1	realizing 304:2	387:20
rage 205:17	162:22 185:14	407:17,19	315:7	recharged 340:2
raging 227:24	445:2	408:10,12	really 63:11	Recht 171:4,5,6
451:3	ranking 107:7	499:13,23	69:15 72:6	recipe 404:13
rail 39:16	162:24	reaffirm 137:20	260:12,22	reckless 85:4
rain 68:4 90:22	ranks 150:23	482:11 488:13	262:5 363:18	107:17 145:5
95:7 125:11	rapid 50:15	492:19	364:17,21	336:19 413:8
271:6 319:9	rapidly 53:3	reaffirmed 41:2	429:13,15	496:22
322:11 405:24	109:6 217:8	110:14	432:9 500:9	reclaim 482:11
406:19 415:24	220:21 246:16	real 41:15 85:6	realm 473:5	recognize 58:4
450:22	339:8 392:25	88:15 108:22	reaps 489:25	129:24 328:7
rained 257:24	rare 278:14	118:12 120:5	rearview 153:13	473:2
rainfall 23:19	353:3 443:7	124:15 146:3	reason 35:14	recognized
139:10,15	rarely 347:19	195:15 201:12	104:14 116:3	14:21 108:3
141:9 301:1	476:3	207:22 221:1	117:6 186:25	109:20 172:25
rainfalls 230:1	rashes 67:20	250:8 290:25	274:7 288:5	313:20 396:11
rainier 232:21	rate 94:5 229:12	291:4 296:11	370:14 466:8	recognizes
258:10	229:21 298:10	351:1 353:14	480:20	238:16 378:11
rains 144:8	459:1	357:22 364:3	reasonable 7:22	381:10
rainstorms	rates 20:22 36:5	396:24 399:6	71:3	recognizing 62:7
405:21	39:19 50:15	446:16 486:12	reasonably	156:23
rainy 117:13	68:12,13 94:8	492:5 493:18	121:18 268:18	recommend
raise 79:21	95:14 149:7	495:4 496:7,9	452:25 472:1	13:3 270:13
120:16 200:22	154:17 156:11	real-world 43:3	reasons 94:14	recommendati...
201:7 251:10	186:13 271:20	realistic 43:24	99:19 137:17	224:14
435:22 441:23	281:17 295:24	realities 256:21	192:15 201:17	recommit
478:1	321:20 333:16	reality 34:15	212:17 213:5	219:10
raised 28:11	336:16 353:11	78:16 89:7	266:14 271:15	reconsider 83:6
42:16 65:18	356:8 433:18	92:10 99:21	278:14 313:6	107:18 136:13
67:17 287:1	468:3	100:18 115:3	417:3 419:5	180:24 259:21
355:14 365:22	ratio 64:6	115:21 130:8	423:14 456:8	270:4 414:14
442:19 456:4	rationale 125:3	167:19 169:5	478:2 492:18	423:25
raising 119:16	182:1	185:19 223:25	Rebecca 493:1,8	reconsideration
246:1 250:22	reach 129:17	229:5 241:23	rebuilt 360:14	1:5 2:6 4:2 5:2
251:2 308:21	139:14 301:10	300:21 312:13	rebuttal 8:20	24:18 60:4
332:14 373:11	reached 205:20	352:20 379:9	rebutted 330:15	81:7 82:19
443:15	215:17 328:17	380:3,6 414:7	recall 25:2	89:4 94:15
Ralph 315:11,15	reaching 253:10	440:16,17	receive 6:11	110:24 111:9
ramifications	reaction 34:7	448:21 459:14	11:19	112:4 202:14
148:17	153:21,24	475:19 477:4	received 5:24	228:23 317:18
ran 345:19	reactions 388:24	477:15 480:20	130:3 255:18	342:23 352:17
randomized	reacts 389:1	481:18 486:12	486:8	368:1 369:5
428:16	read 2:12 81:16	494:4 498:17	receiving 178:24	408:6 422:12
range 30:17	246:5	realization	recess 201:24	454:25 470:9
43:18 55:18	ready 21:25 84:1	489:6	202:11 317:3	491:5 500:18
146:17 411:14	99:6 201:24	realize 28:8	317:10 366:18	reconsidered

128:10	105:22 429:7	305:11 338:22	281:15	9:1 11:5,16
reconsidering	recovery 369:3	368:25 386:11	refinery 419:4	13:7 81:4
104:12 268:23	378:9 429:10	429:11 439:6	refining 74:10	173:7 174:22
428:11	429:12 498:23	460:14	reflected 288:13	174:25 203:8
reconsiders	recreation	reduces 494:15	353:19 458:25	304:17 318:10
197:6	221:19 224:19	reducing 50:17	reforms 88:14	337:10 408:22
reconstruction	476:19	57:25 75:2	330:24	428:12
85:16	recreation-bas...	85:23 161:15	refrain 125:17	registrants 11:6
reconvene 317:4	451:17	169:18 173:15	refrigerated	203:9 318:10
record 6:22 8:17	recurring 85:15	177:13 199:11	345:20	408:22
9:10 14:2,7	recycled 245:8	200:21 233:9	refrigeration	registration
44:23 63:2,10	red 79:22 255:22	245:6 250:15	144:3	499:20
63:23 64:11	261:24 302:25	368:25 389:23	refuge 225:6	regression 80:21
82:17,18 93:4	340:3 415:20	420:5 445:18	refugee 227:19	176:3
100:2 103:2	Redmond 400:7	492:10	refugees 77:7	regressive 84:18
119:25 127:17	redo 280:9	reduction 28:8	refurbish 469:12	regs 27:18 166:9
148:4 164:21	reduce 28:15	80:3,10 101:8	refurbishing	regular 130:7
180:17 181:2	36:11 40:16	109:18 341:1	421:24	regularly 30:10
236:18,20	43:1,7 45:3	342:4 354:12	refuse 269:12	154:11 185:14
241:18 253:9	46:13 48:1,8	370:24 439:3,5	Refusing 308:20	regulate 27:16
287:11 310:10	75:22 106:8	439:9,12	refutable 188:19	31:16 34:18
310:11 318:25	109:19,22	472:17,23	refute 284:11	37:21 101:3
328:23 331:17	110:16,20	reductions	regard 396:10	110:4,12 140:3
343:2 348:4,23	118:20 120:11	58:12 87:2	regarding 9:9	175:24 200:12
351:7 353:8	130:9 137:11	161:18 370:25	24:18 49:18	206:16 208:24
368:5 374:22	147:9 157:7,13	387:24 423:16	79:22 109:9	211:9,11 216:4
387:14 397:22	161:7 177:15	438:22,23	320:13 341:5	218:14 288:8
398:23 430:6	181:11 183:21	456:10 491:17	370:7 388:4	305:7 306:22
430:13 432:4	183:23,24	492:2,13	415:13 489:2	308:20 310:20
480:13 490:3	184:2,6 191:24	Reed 293:19,20	regardless 378:4	312:21 316:15
491:9 498:9	209:1 232:2	293:21	436:18	322:23 338:19
502:6	240:20 250:9	reefs 411:22	regeneration	353:22 356:10
record-breaking	251:11 264:22	reeling 236:23	188:7	405:10 413:21
467:7	301:1 312:16	Reese 145:10,13	regime 489:22	421:6 425:25
recorded 10:9	316:16 334:25	145:14	region 53:1,13	426:3,25 427:9
205:21	338:18 344:5	reestablish	108:11 121:13	440:20 446:19
recording 10:10	370:5 371:9	59:10	122:1,8,14	452:19 473:13
81:13	380:24 386:3	Reeves 230:22	123:18 130:3	regulated 15:15
records 27:9	401:17 421:25	230:23,24	148:12 149:3	30:13 152:3
35:8 55:15	422:17 424:22	410:8	352:13 418:6	165:23 472:16
73:13 113:15	425:8 429:11	refer 9:14 418:7	regional 128:3	regulates 27:5
129:13 171:21	469:13 470:14	references 79:19	371:23 372:13	regulating 4:6
178:16,21	481:13 492:9	359:13	387:23	32:6 153:3
397:24 430:18	494:13	referencing	regions 323:21	189:7 230:5
recover 32:19	reduced 51:10	121:24	351:21	289:17 300:20
120:7 131:20	80:1 85:21	referred 489:17	Register 6:16	334:23 348:13
155:1 269:9	109:6 123:2,4	referring 448:13	7:14 8:23 9:11	372:5 402:11
443:14 479:16	177:6 190:13	refers 341:17	64:2	455:11
recovering	209:15 281:13	refineries	registered 8:11	regulation 34:1

215:21 251:13 271:24 330:21 346:17 358:20 472:10,25 regulations 3:25 4:12 5:3 27:8 28:1 43:5,10 49:14 54:7 93:5 125:7 137:20 166:6 177:15 181:19 186:2 216:12 248:15 294:9 297:13 309:1 337:22 341:18 349:12 356:21 375:13 402:7 414:3 439:21 445:9 446:8 457:13 462:11 463:18 464:1 regulations.gov 8:14 regulators 462:5 492:14 regulatory 16:9 41:6 47:24 51:17 57:15 101:20 137:4 181:22,24 222:17 248:10 330:24 431:23 492:22 Reierson 186:23 186:24 187:2 reinforced 97:15 108:8 125:12 reinforcing 110:2 reinvest 496:17 Reis 128:12,13 128:14 reiterate 59:19 413:5 reject 15:4 16:14 40:4 45:25 66:19 81:6 114:7 303:22 387:1 426:6	rejected 288:4 rejection 94:14 475:21 rejoin 202:8 317:12 407:25 relapse 142:8 relate 458:8 related 38:3 42:9 49:5 77:6 138:15 175:13 191:20 196:2 208:7 228:25 248:18 284:9 286:3 290:16 309:22 341:4 360:20 363:24 363:25 369:1 399:7 459:17 460:5 relating 232:11 Relations 289:3 relationship 429:16 relative's 418:17 relatively 70:11 70:15 71:6 107:12 117:11 relatives 228:4 385:3 release 92:18 169:16 178:4 193:7 222:16 388:20 436:5 463:25 released 62:1 92:7 129:3 130:6 297:11 releases 143:15 relentless 353:4 relevant 197:8 reliability 97:22 368:6 reliable 248:16 251:4 476:16 488:8 reliably 476:5 reliance 98:13 285:7 331:23 relied 43:10	relief 22:17 86:23 322:7 367:5 395:21 403:16 relies 97:19 100:19 137:6 193:2,6 208:18 212:1 493:12 relieved 264:19 religion 435:1 religious 114:4 236:2 reluctant 492:14 rely 5:4 41:8 94:21 111:9 149:21 177:9 181:25 192:24 194:21 221:14 222:20 272:17 281:12 286:6 306:20 429:23 485:14 relying 181:4 284:10 366:9 remain 19:20 202:7 237:25 243:2 275:23 317:11 374:10 407:24 444:13 483:10 remaining 48:20 98:15 485:17 remains 44:3 71:11 101:5 121:20 182:14 384:21 remarks 2:21 65:12 107:12 112:13 remember 46:4 117:2 153:12 153:24 278:8 475:3 remembered 301:23 400:1 482:7 remind 7:8 304:6 437:4 499:16	reminder 203:3 203:24 242:7 296:13 318:5 387:4 408:17 485:17 reminders 132:13 reminds 165:16 removal 75:12 272:9 remove 3:24 4:12 58:20 99:1 272:2 433:7 434:16 removing 82:14 189:6 216:15 248:3,4 272:3 310:16,19 339:17 renal 215:3 227:6 rename 249:19 323:9 337:10 409:16 446:24 renamed 446:25 render 272:4 renege 71:13 renewable 20:21 43:20,20 57:22 74:11 246:17 294:21 313:2 449:12 renewed 117:25 renowned 411:23 rent 378:8 rented 228:2 renunciation 442:8 repair 85:16 123:5 139:24 249:12 405:23 repeal 15:5 16:15 17:5 19:7 34:19 36:20 37:12 47:16 49:11 50:7 51:6 52:6 53:10 62:14	66:20 72:7 73:22 91:25 92:2 114:7 115:17 127:20 134:25 160:15 161:3 162:8 180:2 185:10 195:4 200:22 206:9,13,25 207:18 216:14 233:17 235:6,8 236:9 247:10 249:12 274:4 276:12 294:7 296:8 304:21 313:7 324:1 330:10 340:17 342:7 349:24 350:8 355:17 355:21 372:2 375:6 384:17 387:1 390:10 390:21 405:8 410:9,11 412:11 415:6 417:4 426:21 437:16 445:9 457:2 478:5 495:17 repealed 37:20 51:17 248:20 277:17 279:16 431:22 repealing 36:1 36:24 62:11 164:8 184:9 200:15 235:1 235:18 243:23 282:14 283:18 307:21 311:14 312:18 337:21 352:1 354:5 356:19 357:19 386:17 392:6 402:6 431:16 439:20 450:9 450:14 462:16 482:22 485:4 496:21
---	---	---	--	---

repeals 183:8 185:8 432:8	reporting 1:24 4:17 216:7	225:12 371:2 378:5 443:25	57:2 78:21 85:3 94:9	303:6
repeat 465:17	492:4	477:22	100:23 148:6	residences 282:23
repeated 343:2	reports 85:9	requirement	164:7 172:20	resident 31:20
repeatedly 41:1	122:15 135:5	35:17 58:24	199:18 285:10	102:11 173:8
48:3 97:15	151:1 193:25	440:15 442:8	288:17 316:1	192:8 262:19
124:24 176:1	435:6	requirements	340:2 352:22	352:12 382:1
331:7 359:1	represent 52:24	43:16 75:16	374:8,18 402:5	435:16 437:13
433:7	86:19 91:13	285:22 371:10	rescinds 173:21	residential 476:2
replace 345:22	111:11 112:14	requires 45:1	rescission 6:13	residents 72:25
report 79:23	175:11 181:9	46:12 79:5	123:1 212:21	120:4 121:2
80:6 97:19	218:9 238:2	121:15 305:15	222:22 334:2	148:24 221:1
100:20,22	344:3 352:6	requiring 32:24	452:16 454:15	223:21 255:21
122:5 127:20	398:12 472:13	87:3 174:10	462:14 466:19	256:10 324:16
127:20 129:7	representative	requisite 47:19	472:14	356:9 406:18
130:6 141:12	13:13 93:19,21	372:21 373:5	rescue 306:25	residents'
150:22 188:17	93:25 94:1	reradiates 178:8	rescued 214:15	221:23
193:21 194:11	representatives	rescheduled	research 14:23	resides 72:2
208:19 212:2	9:6 112:15	287:5	29:18 40:1	residing 150:16
235:9 245:16	representing	rescind 3:23	45:6 104:11	resign 365:17
246:5 255:16	42:6,8 57:18	17:6 28:17	108:7 118:11	432:3
284:14,17	84:8 107:5	29:11 35:15	134:17 141:17	resilience 354:8
285:4,14,15,18	180:15 304:19	39:10 42:10	147:25 149:4	360:9 406:20
285:21,24	307:14 337:17	44:8 84:11	190:18 264:8	resilient 85:3
286:3 289:21	349:22 374:6	99:18 123:13	282:17 290:22	120:14 219:7
297:11,18	376:19 452:10	124:3 131:6	292:16,22	308:13 314:23
350:17 372:16	represents 74:8	133:5 138:6	312:20 331:19	397:3
394:18 416:5	94:6 134:5	140:12 141:2	336:3 340:14	resist 274:19
438:25 458:6	332:24 342:21	152:22 158:15	346:8 353:23	393:4
487:18 488:5	393:11	160:1 162:16	388:2 389:15	resolve 266:23
493:14,14,20	reproduction	171:14 191:14	428:15,17	414:19
502:5	286:2 502:17	199:19 205:7	457:6 462:2,3	resolved 166:16
report's 97:25	reproductive	210:14 220:4	463:12 473:16	resort 214:14
reported 46:6	145:1 466:20	240:15 242:22	researched	399:10
141:6 245:22	Republican 81:5	245:25 246:19	437:21	resource 229:18
255:17 259:4	305:16 435:13	254:15 262:21	researcher 78:19	229:24
351:6 389:12	repute 54:22	265:3 271:23	147:23 461:25	resourced
435:20	request 7:2	274:3 276:11	researchers	148:21 419:16
reportedly 259:7	46:15 124:6	285:5 286:19	350:18	resources 21:12
reporter 1:22,23	145:12 173:12	307:17 320:20	resembles	118:20 120:7
10:10,25 14:1	259:5	330:20 337:20	319:18	136:2 151:17
203:6 255:3	requesting	340:6 347:7	resend 204:17	163:8 187:14
267:19 270:20	200:2	360:3 372:1	Reservation	217:15 308:21
276:25 296:14	require 124:13	393:5 412:11	291:18	310:2 320:12
318:8,25 338:9	204:9 285:12	473:6 475:10	Reserve 169:11	320:13 351:13
365:10 387:5	306:11 358:20	478:16	Reservoirs	369:2 445:3
408:20 462:7	387:24 423:16	rescinded 63:7	476:4	461:10 480:7
485:19 502:1,5	456:10 496:10	rescinding 26:24	resettled 360:24	484:17
502:14,18	required 79:1	40:3 41:3 55:5	reside 185:2	respect 64:18

76:17 246:14 423:15 456:9 462:20 respectable 486:10 respected 325:7 462:11 respectfully 186:15 respiration 64:5 respiratory 40:21 90:2 141:23 146:22 153:21,22 154:3 168:2 174:5,8,12 176:7 198:18 214:9 217:6 227:6 251:8 255:24 263:22 306:9 316:13 388:5 389:16 389:18,23,24 389:25 397:9 418:24 respond 7:4 116:12 242:13 297:25 373:21 responded 153:18 responders 378:1 responding 322:10 responds 4:21 response 7:5 49:13 116:2 181:18 224:23 289:15 443:19 responsibilities 222:8 380:21 responsibility 14:20 24:4 38:6 52:24 66:8 72:15 77:11 110:3 111:19 119:2 121:1 160:13 165:6 187:6	219:2,6 226:4 236:12 258:17 300:11 308:16 311:12 334:7 345:9 346:14 346:25 349:20 377:2 378:16 396:3 413:12 426:21 432:10 461:13 473:12 480:20 responsible 16:9 38:7 84:21 85:2 247:7 385:23 419:23 431:9 496:5 responsibly 79:15 492:23 rest 77:22 78:5 119:5 145:5 172:13 179:24 188:7,8 196:9 215:6,9 246:15 324:2 462:18 462:24 483:17 restart 267:24 317:13 restarted 21:24 restate 489:22 restore 5:14 restoring 75:8 restrain 481:25 restrict 435:14 restricted 10:18 27:20 restricting 400:25 restrictions 268:20 rests 124:21 127:13 377:5 result 15:14 45:14 81:24 82:7 97:7 101:21 122:20 161:18 175:20 212:6 215:5 253:8,18 337:21 342:3	354:2 370:24 376:5 384:2 416:19 474:8 resulted 27:1 331:16 338:20 433:12 resulting 35:8 87:22 108:17 117:25 159:10 159:21 224:2 224:25 269:18 290:1 326:5 383:15 results 49:16,19 309:21 326:9 339:12 389:2 486:18 resume 83:17 84:1 202:18 317:22 408:1 408:10 retail 74:11 retain 44:18 423:15 456:9 rethink 196:23 retired 165:4 213:15 327:19 417:15 471:12 497:10 retract 119:8 149:22 225:14 384:5 retracting 296:4 382:18 retreat 41:17 57:4 215:24 218:10 219:6 480:19 492:2 return 43:4 69:1 112:4 200:19 266:12 271:14 returned 23:11 returns 354:12 reveals 285:25 REVELT 1:15 revenue 82:10 283:9 411:12 Reverend 71:19 186:22,24	468:25 469:2 471:4 reversal 38:21 175:15 176:5 421:2 460:13 reversals 201:6 reverse 45:24 54:22 68:22 137:19 176:2 243:22 334:25 473:18 reversed 69:12 243:19 reversible 214:6 Reversing 179:16 reverted 331:23 review 53:18 78:24 79:5,6 79:10,12,13 92:12 127:21 152:24 194:6 200:14 285:16 285:24 289:14 289:16 292:21 372:17 388:7 393:10 442:5 reviewed 397:17 487:24 reviewer 276:20 277:8 330:6 reviews 79:1 285:1 revise 74:25 revisions 445:7 revisit 350:14 revitalize 5:13 revocation 147:1 388:14 388:16 389:20 revoke 23:4 31:14 57:10 130:21 143:8 146:6 150:13 158:5 167:3 198:3 252:13 252:16 299:22 344:23 346:21 375:25 390:3	432:23 451:15 467:9 480:17 revoked 252:19 revoking 147:12 231:25 376:1 396:15 450:15 451:6,19 475:18 477:24 revolves 46:3 rewards 490:1 Rex 489:10 RFS 59:14 rhabdomyolysis 364:11 rhythms 114:14 rice 494:17 rich 231:6 265:5 Richard 260:17 richer 36:25 460:2 Rico 155:3 rid 136:21 riddled 137:7 ride 398:13 ridiculous 35:16 right 26:25 33:9 54:18 58:4 116:13 142:22 150:6 152:1,7 164:24 174:15 197:23 217:7 219:23 222:6 243:13 246:4 246:25 262:8 262:24 263:3 264:7,20 267:23 293:14 293:15 315:4 324:3 326:9 327:14 336:25 362:6 379:14 387:12 395:1 395:25 409:7 414:14 428:1,4 436:23 438:13 460:23 475:9 475:23 491:1 495:22 498:6 rightfully 108:3
---	---	---	--	---

109:20	54:16 72:20,23	184:25 185:5	236:4 237:20	409:17 416:13
rights 136:6	85:8,12,18	road 28:5	256:24 257:17	427:11 452:6
150:8	105:19 108:15	180:20 232:4	270:5 302:10	rooms 169:9
rigor 49:20	115:15 120:15	232:16 294:1	314:20,25	171:22
337:25	123:1,19	445:25 492:13	335:15 336:4	rooted 43:3
rigorous 200:14	129:19 132:5	roads 41:14	336:25 376:23	80:19 397:15
206:20 278:19	134:10 141:18	239:16 241:20	378:12 380:19	roots 292:11
289:22 330:18	144:25 149:10	445:16 480:22	381:15 382:3	Ropski 162:11
rigorously 193:4	154:2,19	roadway 234:15	382:18 384:4	162:12,13
Rim 412:2	156:15 167:10	282:24	395:19 417:23	rose 227:2
Rimmer 325:10	168:3 172:14	roaming 122:19	419:6 422:13	Rossana 442:13
325:11,11,14	174:9,11	Rob 204:14	434:24 449:21	442:16
rings 331:19	176:25 188:22	207:9,13	455:2 459:16	roughly 28:3
ripe 126:19	200:19 201:2	robbing 370:18	459:18 470:10	84:21 113:10
ripple 251:3	208:12 221:22	Robert 52:10,11	492:13 497:13	448:15
rise 19:18	234:16,19,23	91:9,11 414:22	rollbacks 45:16	round 95:24
108:14 129:21	282:25 300:8	414:25 456:20	61:14 94:20	455:12 476:16
169:23,25	309:4 312:7	456:22	135:19 185:8	rounds 284:25
178:18 190:4	316:3 319:16	Robinson 378:5	350:4 356:19	393:10 433:9
276:22 277:10	319:22 345:19	robust 28:14	445:13 459:17	route 103:19
279:5 290:13	368:24 374:19	92:25 149:18	498:21	routes 72:22
298:5 322:12	382:13 415:16	219:1 257:4	rolled 370:12	237:14 377:15
353:10 366:6	420:22 427:14	338:23 353:19	rolling 36:10	routine 391:10
368:24 393:14	434:1 441:24	354:20	45:13 72:17	433:6
411:3 432:11	448:8 467:18	Rochester	73:3 94:16	row 162:24
457:18 460:15	473:14 477:1	405:15,17	105:18 120:14	Rowoldt 29:2,3
494:5	497:17 498:19	406:10	133:3 186:4	29:4
risen 226:23	risking 21:3	Rockledge 1:25	230:8 233:2	rubbish 49:9
234:12 328:24	risks 33:21 40:8	Rocky 232:22	237:6 269:22	rubble 243:1
rises 339:16	109:2 130:12	role 57:22 58:2	296:25 297:12	Ruben 466:13
rising 15:13	154:4 169:24	69:25 117:16	299:25 314:1,7	466:18
20:22 65:25	172:19 174:13	176:16 199:5	314:12 335:20	ruin 42:14
66:4 100:13	201:4 217:4	304:3 330:17	336:18 377:11	rule 3:18 4:2
103:2 149:1	237:9 250:7	341:9 379:7	378:19 380:5	5:14,22 7:7
165:18 171:20	251:9 264:13	382:8 461:5	381:1 396:16	26:24 43:10,14
178:18 207:25	264:15 308:7	468:6 473:24	398:2 413:6	44:4 49:2 60:4
214:15 221:13	321:14 333:2	roles 394:23	414:3,15 423:2	74:14,21 75:7
249:2 278:14	353:10 377:12	roll 19:25 114:8	423:10 425:17	115:8 157:16
278:15 279:8	442:1 487:5,23	168:13 216:20	443:17 455:17	158:5 167:2
312:11 316:3	492:5 493:18	223:15 226:11	455:23 457:13	169:20 170:20
354:4 393:13	494:21	238:12 302:22	468:9 470:24	192:12,14,21
397:25 399:7	rivaling 357:25	437:1 465:8	rooftop 477:21	193:1,2,14,19
399:11 414:8	rivals 308:22	roll-back 74:19	room 113:13	194:3,7,19
435:19 467:7	river 108:15	rollback 89:5	161:19 171:24	252:13 272:23
472:12 486:23	144:20 206:4	105:5 106:2	172:2 190:4	327:18 329:10
494:12,15	256:17	116:22 118:7	202:6 260:13	329:16 340:21
495:2,5	rivers 169:1	186:18 215:23	272:18 289:23	341:15,20,23
risk 23:20 25:13	319:9 407:3	219:4 225:2,10	317:11 353:16	437:16,22
37:24 38:14	Riverside	225:15 226:6	363:21 407:24	473:17 478:15

489:3 492:4	RVP 59:18	143:1 146:5,10	436:3	says 2:13 17:2
493:12	RYAN 1:24	147:3 149:24	Sandy 34:23,24	17:13 114:13
rule's 193:16		167:8 169:24	168:19 227:22	152:14 186:24
rulemaking 6:13	S	177:8 220:24	345:11,17	208:25 259:25
7:1 8:15 9:9	S 2:1	253:20 354:12	391:3	264:12 375:11
84:11,18	sabotage 481:21	364:24 381:4	Sandy's 345:15	381:3 441:9
220:12 231:16	Sack 14:6,13,13	382:5 383:5	sanitation 392:1	449:7 456:13
343:4	14:14,16,17	384:8 393:16	Santa 52:15	461:16 477:6
rules 7:19 28:20	Sacramento	425:19 427:2	257:22 337:17	480:13
40:14 46:20	185:2,5	434:1 447:10	Santos 197:19	scale 70:9
49:4 51:13	sacrifice 147:3	447:20,23	197:20,23,24	294:23 481:2
75:1 86:24	488:23	478:1	Sarah 478:7,10	Scarborough
87:1,19 88:14	sacrificed	saguaro 232:20	Sarcasm 436:24	50:5
96:1 128:18	468:18	411:9	Sartaria 144:6	scarcely 279:9
151:21 183:23	sacrificing	sailors 275:24	satellite 178:23	scared 239:18
216:14 218:22	449:15	Saint 114:12	saturation	scary 239:7
231:17 246:1	sad 319:23	Sakata 39:4,5,6	153:16	476:9
248:3,4 293:9	safe 24:1 27:19	sake 142:25	Saudi 165:17	scenario 47:24
296:6 338:19	32:21 85:2	270:19 333:9	save 45:7,8	400:8 498:13
350:4 370:14	196:25 197:14	426:24 456:16	61:10 120:10	scheduled 10:3
451:9	220:16 238:10	479:24	122:21 254:10	201:25 249:18
ruling 116:2	238:11 240:11	salamanders	259:19 265:1	323:2 407:17
175:18 252:24	300:9 316:22	261:25	272:7,9 316:24	451:25 452:2
325:5 350:10	360:15 361:14	sale 59:21 75:7	386:16 421:24	schizophrenia
rulings 34:17	367:13 387:2	376:10	439:11 444:9	172:11
374:13	396:1	sales 27:9 48:19	460:8 469:12	scholarly 428:15
run 49:9 90:13	safeguard 23:6	88:6 245:7,19	saved 76:10	scholars 461:3
225:18,19	135:20 136:6	295:1 372:24	283:16 305:11	school 14:22
246:10 249:1	185:9 191:25	373:2,4	439:5	52:14 81:2
365:24 500:2	307:5 359:10	Salish 173:8	saving 254:5	85:1 151:5
runaway 94:7	378:22 396:6	salmon 261:23	321:19 358:10	155:19 191:2,4
running 3:20	492:21	Salt 279:25	445:22	191:18 243:9
73:7 144:11	safeguarding	280:10,20	savings 51:14	244:20,21
162:3 165:21	381:17	281:3	123:4 137:2,5	283:6,15 287:3
214:23 483:25	safeguards	Sam 497:9	137:7 180:21	327:19 348:18
runs 101:11	29:14 120:17	Samantha	181:5 358:12	358:15 366:16
rural 58:10	164:11 183:20	286:10,15	431:15,21	378:3 386:8
60:16 174:15	288:18 346:19	sample 479:10	477:6	387:20 388:1
250:24 303:5	358:9 386:17	samples 339:3	saw 32:13 37:17	433:22,25
312:10 323:20	397:13	Samuel 497:5	153:9 165:17	444:23 448:5
418:4 491:22	safely 32:18	San 52:22	169:9 243:13	476:6
rush 97:19 163:1	safer 24:6 88:9	144:17 155:19	287:22 353:11	schoolers 329:19
211:2 239:6	132:24 281:16	155:21 156:1,3	364:14 379:7	schooling
241:8 410:17	301:25 312:17	156:5,10,15	403:7 436:22	361:21
rushed 239:6	349:14 354:9	157:23 195:1	saying 17:25	schools 306:5
292:4	safety 17:14	261:25 315:17	69:8 116:5	366:17 445:2
Russell 337:13	43:14 73:24	sanctity 195:12	180:23 235:16	science 16:2
337:15,17	84:14 106:4	sand 144:14	326:15 363:12	20:1 35:19,22
338:6,7,10,12	120:24 121:3	206:22 334:18	446:23 465:13	39:23 40:1

44:23 45:19,21	330:14,14	200:16 209:6	287:12 289:8	160:21 243:10
45:23,25 46:10	331:25 332:1,2	215:17 218:10	297:20 324:12	281:2 302:22
54:23 62:6	332:5 335:25	220:11,13	327:24 328:4,7	303:2 399:11
63:11 64:8,15	336:24 346:3	222:14 229:2	330:23 336:8	476:11
66:7,19 76:22	348:7 352:20	268:24 277:23	350:20 358:25	seasonal 56:12
76:23 77:14	354:17 357:20	284:11,15	368:10 391:13	221:14
80:20 86:6	363:12 370:8,9	285:2,9,11,20	393:12 401:5,7	seasons 90:4
90:3 99:24	371:17 372:15	287:16 291:6,8	459:23 460:10	138:25 141:20
100:1,4,15,25	376:9,25 377:4	305:6 310:23	463:13 474:18	220:21 303:4
102:2 105:5,6	377:18 380:20	330:18 337:25	sclerosis 141:18	483:14
106:13 110:16	381:16 388:6,8	346:8 350:23	142:6	seat 153:12
111:2,18 115:2	394:10 397:11	353:19 358:16	scope 215:2	Sebastian 430:3
118:22 121:19	397:18 404:18	368:5 393:7	393:12	second 11:4 67:3
124:3,8 126:15	414:6 416:25	397:16 410:14	scoping 79:4	79:24 95:2
128:22 135:15	450:11 459:22	413:15 424:3	scorching 32:12	98:17 101:1
140:7 142:10	460:5,20	426:2 441:3	scores 49:10	102:23 125:15
156:1 159:3	461:15 465:5,9	442:6 452:23	scourges 278:11	166:17 168:24
164:4 171:19	465:13,20	453:2,11 457:6	scrambled 155:5	187:23 211:19
179:5,5,16	466:7 467:1,9	459:20 460:6	Scrapping 308:6	234:18 250:20
180:4 183:4	468:15 474:1	463:14 473:16	scratch 47:9	253:23 255:25
184:13 185:1	475:16,21	473:22 486:10	screen 2:14	258:18 294:19
186:4,19	477:15,23	489:6 494:10	11:20 12:10,17	372:14 431:1
187:10,11	478:3 479:19	495:1	13:17,25 203:2	secondary
188:13 193:22	480:14 485:10	scientific-based	203:23 204:3	161:14
194:6,14 198:6	488:7 489:21	38:22	242:8,11 318:5	secondhand
199:10,18	489:23 493:17	scientifically	318:24 323:5,8	312:21
206:5,14	495:23	16:11 208:18	408:17 409:6,9	Secondly 48:11
207:22,22	science-based	222:11 279:15	410:1 435:16	74:24
208:21 209:23	175:21 186:2	304:22 329:3,5	451:24 452:4	seconds 8:3
210:24 211:20	240:18 358:9	425:21 467:10	screening 79:9	111:25 142:19
211:20,21,22	421:2	487:24	Scripture	secret 97:20
218:16,16	sciences 155:23	scientist 47:6	278:11	100:20
219:8 222:13	289:6 419:22	63:24 119:22	scrutiny 47:18	secretary 65:11
230:17 238:16	scientific 16:1	206:9 244:12	101:24 127:21	127:15 188:16
239:22 242:1	19:11 20:2	328:6 465:4	359:4	284:20 379:5
246:7 252:22	40:4 41:3	475:16,23	sea 108:14	489:11
257:7 267:8	50:19 66:5,15	493:23	169:23,25	section 4:9 39:7
268:1 277:16	66:16 86:2	scientists 15:10	207:25 261:23	69:25 80:6
277:18 284:9	92:3 97:17,21	47:7 50:24	276:21,22	109:23,24
286:7 287:23	98:8 99:20,21	54:20 61:22	277:9,10,13,14	122:18 136:15
288:6 289:2,23	100:2,18 108:2	62:6 97:24	279:5,9,17	216:3 268:13
290:23,24	108:21 109:1	107:21 122:6,9	290:12 298:5	284:8 372:4,8
291:2 292:7	111:8,11	127:16 154:10	322:12 393:14	438:2,14,25
297:1,21	124:25 126:1	171:21 195:16	394:1 411:3,21	439:14 445:11
300:13 301:17	126:21 134:14	235:13,16	457:18 467:7	471:23
307:21 309:6	147:5 167:7	243:3 252:22	seaports 480:10	sections 108:15
309:17 311:3	176:4 183:13	258:5,7 272:12	seas 100:13	sector 20:21
312:19 321:7	188:22 195:8	278:1,6 284:18	249:3 414:8	30:18,18 58:2
327:19 329:17	198:7 200:14	284:24 285:8	season 129:6	73:9,11 75:3

80:9 94:12	358:2 359:16	380:12 405:16	sensitive 253:7	107:6 185:3
98:17,18	362:11,16	415:8 447:25	sent 152:15	session 109:10
102:20,24	363:8,21,21,22	448:9 454:3	155:15 200:2	201:24 318:1
135:2 142:13	363:24 367:2	465:15 482:24	223:6 239:12	407:16 499:12
157:9 161:23	375:24 379:23	483:9	271:12 308:10	set 35:7 74:20
184:3 208:15	387:9,11	select 322:7	345:18	92:25 127:17
250:2 329:7	392:21 412:19	selection 79:11	sentence 62:17	281:13 343:1
333:20 338:2,3	414:12 417:8	selective 78:23	separate 280:17	432:2 462:23
338:13,13	418:1 420:11	selectively	September 5:25	setback 183:11
373:7 385:21	427:18 436:15	493:15	7:11 402:24	395:23
449:17 463:3	437:5,8 440:3	self 193:20	500:25	sets 34:6 187:19
sectors 73:19	440:13 446:22	329:13	sequel 143:15	259:1 310:25
74:8 83:4 85:7	456:21 462:17	sell 86:20	sequestration	setting 27:9
218:5 253:25	476:14 477:6	selling 279:3	496:8	49:22 182:4
secure 436:13,21	485:8 498:11	330:7	series 193:6	199:5 410:19
securing 381:18	seeing 15:17	semblance	475:4	settled 76:23
security 17:14	33:10 35:5	444:14	serious 30:25	167:7 170:15
57:24 229:16	67:24 81:18	Senator 112:9	96:5,24 148:25	171:19 207:23
307:23 309:7	114:18 122:2	112:11	179:13 221:22	309:17 348:8
375:10 448:8	124:16 148:13	send 7:10 13:8	224:10 410:25	450:11
448:11,13,18	158:17 163:23	64:22 145:12	446:16	settlement
449:1 452:12	194:9 229:25	214:24 215:9	seriously 99:2	170:16
see 18:11,15	259:9 295:22	266:10 359:21	211:25	seven 204:5
21:22 31:8,10	312:11 319:2	409:17 447:1	servant 192:11	279:2 373:17
50:9 60:25	323:5 333:15	sending 144:19	242:3	385:1 486:5
65:11 76:25	335:1 378:14	147:2 273:2	servants 490:16	497:19
80:11 88:10	409:5 412:20	sends 106:2	serve 2:8,25	severe 40:11
93:8 105:9	425:10 452:4	248:14 418:22	38:1 60:15	51:20 53:6
119:22 160:22	457:15 458:12	487:11	88:8 100:22	90:4 91:6 97:4
164:23 169:12	460:15 465:16	senior 47:5	119:13 120:25	100:5,11 104:8
177:16 184:19	465:18 467:5	143:6 326:16	173:13 177:7	120:2 127:1
192:4 194:8	seek 94:14	340:13 344:20	182:22 202:17	138:17 146:12
201:4 203:25	seeking 123:13	381:25 382:10	293:21 308:24	172:5,10 190:5
204:21 207:24	296:14	384:9 432:16	313:21 317:20	229:9 251:1
216:7 219:15	seeks 111:14	461:25 480:6	344:20 355:8	255:14 271:6
224:7,17	211:2	seniors 105:13	396:8 405:14	300:23 333:10
242:11,16	seen 18:6 30:3	120:5 163:2	408:9 436:12	357:22 368:16
257:21 260:5,6	67:14 114:22	183:17 225:1	491:2	375:6 383:16
264:19 265:11	126:16 132:13	397:8	served 91:17	384:23 428:21
265:21 266:12	133:17 134:22	sense 35:20 43:6	109:11 175:23	431:18 433:16
266:23 268:10	151:17 160:19	43:23,25 64:19	369:17 388:5	455:23 458:14
271:13 273:9	185:16 204:16	222:12 236:5	serves 269:1	479:17 483:12
280:3,14	224:20 225:8	264:23 295:7	323:18	severely 30:5
304:24 308:25	227:17 243:7	296:11 333:23	service 86:20	442:23
309:19,23	248:25 298:12	475:8	87:15 491:4	severity 53:17
315:13 325:12	302:23 303:16	sensibility	services 37:16	396:10 437:18
326:16 329:24	307:25 310:11	487:21	134:1 251:12	453:19
332:12 339:2	313:1 321:23	sensible 88:10	376:4	SF 286:21
347:15 355:24	364:9 379:16	sensibly 486:13	serving 7:20,25	Shaffi 175:7,8,9

Shaina 147:17 147:18 150:2,7	short 69:23 136:22 198:14 225:18 249:13	shut 391:1	368:6,21 403:9 437:15 439:16	231:5 326:8 353:7
shale 67:10	266:4 271:4	shutting 111:13	453:16 458:10	sitting 103:6 205:15
shame 77:19	317:10 369:6	Siberia 370:2	472:17	situ 275:12,18
Shapley-Quinn 402:15,16,18	373:10	siblings 114:18	significantly 32:9 72:19	situation 70:16 70:21 71:2,3 90:19 296:5 400:13,22 404:15 461:12
share 112:12 153:7 163:4 164:18 280:16 381:17 382:19 401:19 403:11 478:20	short-term 179:20 198:20 468:19	sick 18:7 22:14 22:17 55:25 69:8 85:25 156:18 157:12 427:13 467:13	109:6 198:9 217:20 237:8 329:12 368:11 429:6 457:4	situations 151:22
shared 148:18 189:4 285:21 350:2 385:8	shortages 197:2 300:25	sicken 241:17	signing 79:25	six 59:17 90:23 268:14 279:2 371:24 393:19
shareholder 313:4	shortcut 79:14	sicker 110:22 115:5 299:10 449:1	signs 69:15 405:20	six-year-old 366:2
sharing 484:3 500:11	shortened 261:10	side 19:24 20:2,7 20:12,14,18,21 20:25 21:3,5 21:10 65:17,21 142:3 164:22 164:22 423:19	similar 389:5 484:11	sixth 150:23 262:4 286:3 424:11
sharply 15:13	shortening 422:21 470:18	sidewalk 32:14	similarly 108:21 123:11 138:16	size 126:24 427:8
Shauna 152:12 152:18	shorter 373:12 433:3	sidewalks 366:13	simple 19:15 31:6 32:19 56:12 78:6 90:23 240:11 261:9 297:23 429:14	sized 126:23
she/her 55:3	shortly 11:21	Sierra 34:25 178:1 279:24 293:23 316:18	simply 43:25 46:4 47:12 51:11 66:17 71:13 87:25 113:12 157:1 195:14 216:19 220:15 248:12 261:13 297:21 313:4 393:20 423:8 459:19 460:7 474:13 481:20 490:12	sizes 264:5
sheer 345:18	shortness 383:25	sign 403:16	51:11 66:17 71:13 87:25 113:12 157:1 195:14 216:19 220:15 248:12 261:13 297:21 313:4 393:20 423:8 459:19 460:7 474:13 481:20 490:12	skeptics 97:21 100:21 284:19
Sheila 417:7,15	shot 19:15	sighted 136:22 249:13 369:7	51:11 66:17 71:13 87:25 113:12 157:1 195:14 216:19 220:15 248:12 261:13 297:21 313:4 393:20 423:8 459:19 460:7 474:13 481:20 490:12	ski 398:13 399:10 484:10
shelter 241:5 303:15	shoulder 468:12 485:1	signaling 215:23	51:11 66:17 71:13 87:25 113:12 157:1 195:14 216:19 220:15 248:12 261:13 297:21 313:4 393:20 423:8 459:19 460:7 474:13 481:20 490:12	skiers 398:25
sheltering 378:2	show 2:15 48:18 178:21 354:7 429:1 458:3	signals 336:22	51:11 66:17 71:13 87:25 113:12 157:1 195:14 216:19 220:15 248:12 261:13 297:21 313:4 393:20 423:8 459:19 460:7 474:13 481:20 490:12	skies 241:4 302:24 384:23 450:24 476:3 483:20
shield 25:14,21 172:23 301:15 356:22	showcases 195:11	signed 278:6	51:11 66:17 71:13 87:25 113:12 157:1 195:14 216:19 220:15 248:12 261:13 297:21 313:4 393:20 423:8 459:19 460:7 474:13 481:20 490:12	skiing 322:19 476:18
shift 36:21 119:17 215:7 216:11 297:2 303:11 339:25 341:18	showed 227:11 282:23 404:7	significance 285:6	51:11 66:17 71:13 87:25 113:12 157:1 195:14 216:19 220:15 248:12 261:13 297:21 313:4 393:20 423:8 459:19 460:7 474:13 481:20 490:12	skip 344:7
shifted 353:3	showing 316:5 341:23 380:1 493:17	significant 30:22 34:2 35:13 45:12 84:19 85:5 86:1 91:1 94:25 109:15 122:24 154:3 176:19 206:15 208:11 211:11 211:16 218:13 232:17 245:18 256:19 258:16 285:12,19 322:9 348:20	51:11 66:17 71:13 87:25 113:12 157:1 195:14 216:19 220:15 248:12 261:13 297:21 313:4 393:20 423:8 459:19 460:7 474:13 481:20 490:12	skipped 362:15
shifting 201:3 245:9	shown 33:5,18 33:20 48:3 160:25 360:8 429:6 487:25	signaling 215:23	51:11 66:17 71:13 87:25 113:12 157:1 195:14 216:19 220:15 248:12 261:13 297:21 313:4 393:20 423:8 459:19 460:7 474:13 481:20 490:12	skipping 426:14
shifts 479:8	shows 20:25 29:18 40:1,14 48:16,23 98:1 134:17 149:4 154:10 164:21 186:9 214:8 222:23 232:3 255:17 336:9 347:15 481:12	signals 336:22	51:11 66:17 71:13 87:25 113:12 157:1 195:14 216:19 220:15 248:12 261:13 297:21 313:4 393:20 423:8 459:19 460:7 474:13 481:20 490:12	sky 239:1 319:17 418:9
shipments 251:2	shrinking 40:10 129:6 229:24 393:14 449:19	signed 278:6	51:11 66:17 71:13 87:25 113:12 157:1 195:14 216:19 220:15 248:12 261:13 297:21 313:4 393:20 423:8 459:19 460:7 474:13 481:20 490:12	skyrocket 224:4
shipping 74:10		significance 285:6	51:11 66:17 71:13 87:25 113:12 157:1 195:14 216:19 220:15 248:12 261:13 297:21 313:4 393:20 423:8 459:19 460:7 474:13 481:20 490:12	skyrocketing 90:12 296:3
shirk 440:14 461:13		significant 30:22 34:2 35:13 45:12 84:19 85:5 86:1 91:1 94:25 109:15 122:24 154:3 176:19 206:15 208:11 211:11 211:16 218:13 232:17 245:18 256:19 258:16 285:12,19 322:9 348:20	51:11 66:17 71:13 87:25 113:12 157:1 195:14 216:19 220:15 248:12 261:13 297:21 313:4 393:20 423:8 459:19 460:7 474:13 481:20 490:12	slam 56:13
Shirley 436:1		signaling 215:23	51:11 66:17 71:13 87:25 113:12 157:1 195:14 216:19 220:15 248:12 261:13 297:21 313:4 393:20 423:8 459:19 460:7 474:13 481:20 490:12	slap 243:24
shocking 117:15		signals 336:22	51:11 66:17 71:13 87:25 113:12 157:1 195:14 216:19 220:15 248:12 261:13 297:21 313:4 393:20 423:8 459:19 460:7 474:13 481:20 490:12	sleep 246:8 262:10 332:5 456:11
shocks 201:5		signed 278:6	51:11 66:17 71:13 87:25 113:12 157:1 195:14 216:19 220:15 248:12 261:13 297:21 313:4 393:20 423:8 459:19 460:7 474:13 481:20 490:12	sleeper 342:2
shoppers 343:11		significance 285:6	51:11 66:17 71:13 87:25 113:12 157:1 195:14 216:19 220:15 248:12 261:13 297:21 313:4 393:20 423:8 459:19 460:7 474:13 481:20 490:12	
Shore 435:23		significant 30:22 34:2 35:13 45:12 84:19 85:5 86:1 91:1 94:25 109:15 122:24 154:3 176:19 206:15 208:11 211:11 211:16 218:13 232:17 245:18 256:19 258:16 285:12,19 322:9 348:20	51:11 66:17 71:13 87:25 113:12 157:1 195:14 216:19 220:15 248:12 261:13 297:21 313:4 393:20 423:8 459:19 460:7 474:13 481:20 490:12	

sleeping 458:7	241:4 253:8	226:4 311:11	sorry 67:2	350:22 399:5
slides 383:18	256:1,13,13	349:20 366:21	133:18 139:9	410:18 411:17
slightly 48:19	257:23 261:5	392:23 426:20	142:20 145:13	420:1
sloppy 137:8	263:13 287:5	socially 247:6	165:2 200:4	south 1:25 67:12
slow 255:2	291:21 292:23	societies 91:20	202:21 219:18	68:6 114:10
267:18 280:7	293:4,8 302:22	society 32:2 92:6	219:19 255:1	144:5 156:10
338:9 341:5	303:5 312:22	194:13 209:13	265:15 266:19	160:11,17
365:9 387:5	333:5 348:18	283:17 357:16	267:17 273:10	165:12 169:11
450:17 462:7	353:25 368:15	Soepyan 273:8	276:23 280:6	236:15 247:23
491:12	369:23,23	273:10,16,18	305:5 338:8,10	248:23 279:1
slowed 433:21	370:15 383:22	273:23 274:1	365:8 390:15	411:20 435:23
slowly 10:24	385:17 391:7	soil 170:13	412:18 438:12	474:9
203:5 318:7	406:5 414:12	274:13	450:5 462:6	Southeast
408:19	415:14,17	soils 23:17	464:18 493:4	148:12,25
small 22:3 49:5	416:14 418:5,8	solar 279:3	sort 63:9 297:3	149:3,21
50:14 70:12,16	450:23 451:4	314:17 435:11	413:5	southeastern
70:24 71:6	472:22 478:25	448:17 451:11	soul 76:16	253:21
89:2 95:8	483:6,20 484:5	477:22	sound 121:20	southern 112:16
129:21 142:8	491:7,15,19,25	sold 48:5 197:13	124:8 165:12	114:15 198:23
165:23 193:3	492:17,22	373:1 425:5	252:21 272:14	228:4 232:24
235:9 247:7,12	smokier 55:7	solely 58:5	335:25 376:8	261:23 352:13
247:13,21	smoking 46:6	340:25 350:6	sounds 83:19	352:25 366:3
248:11,21,25	441:14	solidarity 480:8	source 30:21	387:15 415:2
249:5 276:9	smoky 232:21	Solomon 135:24	39:13 70:1,7	Southwest
312:3 371:11	384:23	135:25 136:1	70:13,25 71:4	411:25
401:2 405:12	smothered	solution 59:20	89:23 94:13	southwestern
406:8 450:6	143:21	82:24 333:23	98:18 102:24	67:5,11 68:2
479:10	snags 82:15	solutions 34:3	103:14 135:3	206:3 213:21
smaller 275:7	snakes 261:25	43:18 58:16	136:16 137:20	214:18
427:8	snow 23:17	59:6 101:17	139:2 142:14	sovereignty
SmartWay	40:10 129:6	117:16 118:24	208:16 211:14	314:4
44:10	208:1 221:15	154:22 228:20	229:19 237:11	SOx 48:24 388:9
smashed 144:19	322:20 393:14	257:7 310:12	254:1 292:24	space 10:6 85:3
smells 66:15	399:2,4 411:6	440:9 481:2	329:8 385:21	179:2,3 289:6
smog 39:14	415:24 450:23	496:1,7	420:8 422:22	430:18 492:22
103:3 138:21	476:5 484:9	solve 370:1	434:10 453:5,9	spaces 367:4
150:23 169:5	snowball 484:9	solving 209:7	453:16 462:5	385:13 395:15
371:1	snowfall 484:7	someone's	464:1 470:19	496:9
smoggiest 53:8	snowy 23:12	409:15	473:20 491:11	spaghetti 440:13
smoke 18:12	so-called 446:4	somewhat 70:20	492:1	Spain 498:7
26:6 30:2	soak 406:19	son 22:12 25:4	sources 30:16	spanning 331:13
33:12,20 40:12	soaking 365:25	140:22 141:25	70:3,6,10,18	spare 113:13
53:15 56:1	soccer 294:3	240:8 241:6,17	70:24 122:21	320:17
62:24 82:5	social 14:20	366:7 367:12	132:23 140:3	spared 439:2
139:1 141:22	52:23 160:13	son's 433:22	148:11 154:2	486:21
165:16 166:2	165:6 171:12	sons 146:17	154:23 191:16	sparkling 441:16
169:5,7 185:17	187:6,8,11,13	soon 400:3	215:22 230:7	sparring 297:4
186:13 198:17	187:18 188:11	sore 302:25	234:2 288:9	speak 8:11 9:2,5
212:14 239:2	188:15 189:1	sorghum 58:7	333:20 346:18	10:4,23,23

11:18 13:7	147:19 203:13	437:10 439:23	specialty 91:15	spring 239:16
14:1,18 15:2	203:22 204:13	442:13 444:20	species 261:21	300:18
20:8 24:23	204:18,20,25	447:4 450:1	411:8	springs 119:14
26:7,23 41:21	210:6 213:1	452:8 454:18	specific 188:11	258:11
50:6 53:1 63:1	215:12 219:14	456:20 459:7	396:13 411:13	sprinkled 47:10
86:16 88:24	223:3 225:22	461:18 464:12	453:5 459:24	spurious 471:18
89:2 91:24	228:12 230:22	466:13 468:24	specifically	spurred 451:11
128:16 140:17	233:12 235:21	471:6 473:9	78:20 266:16	squeeze 492:8
148:4 155:20	238:4 240:5	475:13 478:7	specified 372:8	St 255:20
158:10 171:6	242:15 244:4	480:2 482:16	speech 65:14	stability 21:3
174:16 184:15	246:22 249:21	485:21 488:19	speeding 206:11	43:15 86:10
184:23 189:22	252:1 254:18	490:23 493:1	spelled 414:25	181:24
198:1 199:24	257:14 259:24	495:9 497:4	spend 119:5	stabilize 251:15
203:5,25 204:6	262:13 265:9	speakers 8:5,7	187:9 200:24	stable 58:13
204:11,23	265:14 266:25	11:5,17 12:1	233:22 248:24	86:3 140:25
207:7 215:9	273:7 276:18	203:9 213:12	294:2 324:7	141:1 197:14
219:9 231:24	279:20 282:4	262:6 318:10	398:14 484:20	213:8 230:14
233:16 249:18	284:3 286:10	331:22 408:22	spending 22:6	275:7 398:17
249:20 265:22	288:23 291:10	450:16 485:18	89:21 196:16	staff 47:1 76:16
265:24 270:25	293:19 296:18	speaking 9:7	196:19 251:11	283:9 444:22
273:5 279:23	299:13 302:2	11:19,22 13:16	314:10 321:21	500:5
282:8 289:1	304:10 307:9	16:13,24 24:17	448:4	stage 244:16
311:9 313:14	309:10 311:7	39:9 52:21	spent 76:8	375:17
318:7,24 321:3	313:11 315:11	71:20 74:6	210:23 242:25	staggering
323:3 337:10	318:14,23	108:10 126:10	291:17 353:1	132:12 496:6
337:12 355:7	319:1,3 320:25	165:9 202:21	354:11 365:24	stagnant 163:3
357:4 362:24	323:1,11	203:2 238:11	388:2	Stahl 112:10,13
379:4 384:16	325:10 327:9	242:20 244:11	spewing 137:14	stake 31:13
392:12 405:7	329:23 332:18	254:20 255:7	144:9	130:18 345:5
408:19 409:12	335:5 337:7,8	257:18 282:10	spews 165:13	359:5
410:3 414:24	337:13 340:9	284:5 296:20	spiritually 16:12	stakeholders
415:2 417:14	342:15 344:17	302:7 315:25	spoiling 345:20	5:21 46:17
417:21 419:7	347:2 349:17	318:4 334:15	spoke 127:7	stakes 242:1
428:10 430:5	352:9 355:4	360:7 367:12	454:23	352:21 394:19
430:10 447:3	357:6,10	370:9 387:14	spoken 97:24	Stalin 77:15
451:25 452:2	362:10,19	408:16 410:10	266:6 360:21	stall 179:22
465:2 466:23	365:2 367:16	412:18 437:12	497:1	stand 26:9 69:14
471:8 478:9	369:13 371:20	444:10 447:10	spokeswoman	209:24 220:15
480:8 486:1	373:24 376:14	470:7 475:22	235:23	329:17 330:23
488:17 490:2	379:1 381:21	478:13 479:12	sports 261:11	356:24 357:18
495:15 499:18	384:13 387:8	speaks 197:11	479:2 484:6	394:20 397:1
speaker 10:22	390:6 392:16	315:12 340:20	spotlight 441:1	399:22 444:17
11:9 13:15,24	395:4 398:5	special 25:6	Sprague 398:6,7	480:12 488:4
14:5 16:18	400:5 402:14	330:13	398:8	490:18,20
24:11 26:18	404:25 409:1	specialist 81:21	spread 237:4	496:19 497:1
29:2 31:23	409:25 410:3	specialists	320:16 375:8	standard 216:22
41:23 84:2	412:17 414:22	325:21	385:19 391:23	237:7 424:25
88:21 94:3	417:7 419:9	specializing 50:4	392:3 411:7	428:17 433:6
95:13 147:17	421:11 423:20	152:19	spreading 55:22	455:24 491:25

standards 1:6	251:14,21	491:12,16	219:25 220:16	61:13 62:3,5
2:8,23 3:12 4:4	252:18 254:2	492:12,20	229:6 249:24	66:3,10 80:6
4:10 6:15 17:6	254:10,16	497:15 500:19	255:16 256:4	92:24 94:21
19:9 23:5 24:8	257:5 264:21	501:4	284:14 294:4	104:6 106:12
36:11 39:11,20	264:25 272:13	standards' 88:3	294:14,17,20	118:4 132:14
39:24 41:20	274:5 276:13	standing 247:5	295:4,6,7,11	132:15 144:21
42:12 44:19	281:13 285:23	standpoint	323:19,20	149:4,20
45:3,7,9,13	299:23 301:23	388:19	324:2,6 335:14	162:23 173:16
47:17 48:12	302:12,15	stands 253:17	338:19 369:21	174:1 183:15
49:6 50:8 51:7	303:23 313:22	Stanford 466:21	371:6,23 380:9	185:6 191:3
51:14,23 52:7	314:2,8,13,20	staple 494:16	381:7 382:1	205:19 206:3
53:11 54:7,10	315:1 317:20	Star 12:2 56:23	396:5 398:12	211:15 220:20
60:6 62:11,16	340:18,22	177:25 293:22	399:22 413:3	226:21 230:10
64:19 72:8,18	342:5,8,25	start 64:12	421:19 423:23	232:8 236:1
73:4,23 75:13	343:7,8,9,14	142:22 152:13	424:12,19	250:17 254:2
75:15 85:4,12	343:16,18	180:23 186:25	425:2,7 435:7	283:21,22
85:18 87:10	344:14,24	202:2,9 223:7	443:14 452:10	284:1 297:12
89:6 92:1,25	350:1 352:19	270:18,20	454:14 460:13	316:2,8,22
94:11,17 95:25	352:22 354:6	286:12 304:23	460:22 465:12	317:17 324:17
96:7 97:22	354:21 355:19	327:13 335:9	469:7 478:23	341:10 368:12
98:16 113:20	356:21 368:2	359:22 405:4	487:18 488:21	370:3 371:2,8
114:9 115:19	370:24 371:4	412:18	488:22 489:10	371:12,25
119:19 120:9	372:3 374:9	started 243:13	489:12 491:3,4	373:19 374:10
122:17,19,20	375:25 376:24	244:23 273:12	state's 94:22	380:11,12
122:23 123:6,8	377:11 384:18	442:25	208:4 229:10	385:22 396:2
123:12,14	386:3,9,14	starters 274:11	229:14 396:14	396:12,17
130:23 134:25	388:8 395:20	starting 174:15	431:2 454:6	400:12 408:5
136:17,22,25	396:8 405:9	416:3 429:1	491:8	413:16 416:10
137:10 143:9	407:6 408:8	state 12:3 14:6	stated 6:10	416:16 424:23
146:8 147:13	410:10 414:2	20:19 33:17	65:14 68:6	438:4,16
161:7,17,24,25	422:14,16,19	36:17 40:13	79:16 92:9,15	445:12 456:7
162:18 163:11	422:19 423:3,6	42:7 67:13	118:16 157:16	462:20 463:2,7
163:16 164:8	423:10 424:1	81:3 82:7,23	268:14 296:21	463:13 492:2
164:17 167:5	424:24 425:15	94:1,19 95:2	332:1 359:11	492:11 495:22
173:22,24	425:18 431:22	96:19 97:2	364:23 392:4	496:6 498:11
180:25 181:3,8	432:24 434:18	98:4 100:1,9	413:6 438:24	500:17
181:20 182:4	437:17 444:2	100:12,16	statement 17:2	statewide
182:11 184:6	445:10 446:14	103:19 112:9	17:13 188:16	205:24 263:4
185:12 186:6	447:14 449:23	112:11 113:13	195:7,8 223:19	395:12
186:17 199:6	455:2,3,9,13	125:19 130:5	292:20 377:23	stating 32:4
200:18,20	455:17 457:3	135:18 139:22	386:24 464:7	403:2
201:20 202:16	459:18 462:16	141:8 149:18	statements 6:20	stations 314:17
207:19 208:22	462:23 463:6	150:22 165:11	7:23 17:25	statistic 264:6
209:11 211:4	464:6 468:9,22	165:15 169:22	49:18 127:19	statistics 47:21
212:22 216:5	470:11,14,16	170:8,16 205:5	194:10	105:15 358:4
228:25 230:8	470:25 471:24	207:14,24	states 2:4 3:3	449:7
233:3,18 235:3	473:19 480:19	212:13 215:15	4:25 5:15	stature 244:16
236:10 237:25	481:4,13	216:17,19	18:11 33:13	Statute 425:21
245:7 250:6	484:15 491:7	217:7 218:22	41:8 48:5 51:3	statutory 4:9

208:23 382:14	216:19	396:22 411:3	494:9	386:3 396:7
397:15 440:14	sticking 334:17	428:21 430:20	stressful 50:12	407:5 410:11
stay 30:12 74:1	sticks 440:14	439:6 453:21	498:2	423:24 445:6
96:7 154:24	stillbirth 190:17	467:6 474:5,7	stressor 364:4	459:15 468:21
239:2,2 256:10	stimulate 485:13	474:11 479:6	stressors 146:25	481:3,12
263:12 366:8	493:25	story 32:25	364:1	492:20
371:2 444:3	stock 77:22	313:9 403:11	stretches 353:5	stronger 24:6
446:12 479:1	stomach 22:18	404:2 479:13	Strgacich 497:5	74:22 76:25
489:2,4,5	stop 38:16	STOUT 1:14	497:6,9,10	106:5 120:9
staying 270:13	394:24 399:24	stoves 371:13	strict 87:9	121:21 164:5
484:21	482:7 496:11	straight 127:17	191:14	207:23 257:3
stays 283:4	499:2	236:20 343:2	stricter 371:10	290:7 300:17
steadily 279:8	stopped 144:11	375:3	strictly 11:8	338:19 385:18
steel 490:7	152:14 215:25	straightforward	203:11 318:12	396:12 424:23
steep 433:17	406:25	496:2	408:24	425:15 465:14
Steilacoom	storage 449:10	strain 90:15	strides 94:24	467:4 494:10
165:9	store 113:3	251:12 308:9	strike 314:13	495:3
stemming	stored 339:17	strangers 117:15	stringent 75:15	strongest 313:18
232:23	stories 24:20	Strategic 145:15	93:4 96:1	315:5 378:18
stems 27:3	108:22 153:6	strategies 39:6	343:14 455:14	395:18 399:24
stenographic	302:18 321:6	334:25	strip 23:5 399:1	strongly 19:7
1:23 502:4,6	353:17 360:18	strategy 85:13	425:18	31:21 39:9
502:14	361:3,6 390:12	111:17	stripe 248:25	44:17 53:9
step 26:24 75:8	390:14,23,24	stray 488:14	strips 312:18	63:4 92:13
147:13 158:3	391:14 478:20	strayed 222:23	stroke 129:20	119:7 131:6
164:9 225:15	478:21,23	streaming 13:5	160:24 234:16	141:1 146:6
225:15 230:4	479:11,23	streams 476:17	316:12 364:11	150:12 158:14
240:24 310:24	storm 95:6	street 227:25	strokes 45:15	159:23 160:14
380:12 413:10	144:17 168:19	streets 163:25	312:1 487:14	185:10 198:2
470:1	214:21 227:22	199:8 257:24	strong 29:11	231:17 238:12
Stephanie	290:13 295:16	strength 51:4,18	49:22 57:8	240:14 251:19
112:10,13	303:15 319:7	strengthen	58:19 60:3	252:16 254:14
145:10,11,14	345:11,14	26:14 54:6,9	84:10 89:3	265:2 286:18
Stephen 246:22	391:2	137:12 155:8	113:20 116:21	299:21 303:21
Stephenson	storm-driven	191:23 201:19	137:19 153:24	304:20 307:16
421:11,13,14	251:9	293:16 307:4	154:24 161:7	311:13 315:25
454:22	stormier 55:7	375:25 426:7	163:15 186:2	320:19 326:22
stepped 170:9	storms 16:7	strengthened	195:3 207:17	330:9 347:6
422:8	18:24 56:13	126:22 213:15	210:12 223:14	357:19 371:16
stepping 246:11	90:21 91:6	353:24 397:19	224:13 226:5	374:7 412:10
446:7	95:11 96:23	strengthening	230:11 243:12	415:6 417:3,22
steps 160:2	97:5 100:11	120:21 173:23	243:16 250:5	428:10 432:22
193:6,13	124:18 127:2	strenuously	254:2 259:16	447:12 450:9
steroids 143:12	128:7 141:21	220:2	279:11 284:7	451:6,19
Steve 247:3	143:18 185:17	stress 30:7,13	302:9 305:5	462:25 466:18
stewards 281:25	197:1 212:16	108:18 132:7	306:23 344:13	482:22
421:23 469:11	220:23 226:16	234:20 364:7	360:2 365:19	struck 415:22
stewardship	239:15 241:19	404:13 411:21	374:11 380:13	474:24
21:11 117:5	279:5 385:18	468:5 476:15	382:2 384:16	Structurally

149:12 structured 343:19 struggle 51:19 51:24 142:1 172:17 385:4 492:11 struggled 241:10 struggles 105:25 struggling 81:17 93:9 141:25 163:2 221:16 476:14,22 498:8 student 155:18 192:10 238:8 239:25 students 275:23 302:8 327:20 333:15 students' 434:1 studied 171:21 193:4 232:10 studies 63:9,22 64:10 79:10 160:25 193:25 226:9 272:12 278:19 286:1 354:7 374:14 389:11,12 392:23 393:9 410:13 416:7 416:15 427:16 428:18 429:1 441:4 442:6 487:24 493:15 493:23 study 131:23 139:8 154:9 227:9 277:10 282:23 345:12 366:15 404:7 416:18 439:18 441:9,14 459:25 studying 187:10 stunning 127:9 stupid 77:23 Subcommittee	107:8 109:12 subcommittee's 109:14 subject 4:4 125:7 submarines 275:25 submit 7:13 8:19,21 11:13 13:21 63:9,22 64:10 74:12 107:13 126:2 203:18 228:8 318:19 359:12 407:15 409:21 464:9 500:23 subsequent 92:22 416:5 subsequently 420:19 subspecialties 91:16 substantial 35:22 87:14 123:12 217:12 substantially 124:23 268:17 substantiated 62:1 substantive 17:17 subtitles 2:15,16 suburb 264:3 suburban 418:3 418:11 suburbs 65:3,8 succeeds 94:5 success 271:20 407:5 successful 27:18 57:4 461:2 467:5 successfully 246:16 472:16 successive 95:24 455:12 suffer 16:4 38:2 55:14 113:8 118:14 224:21	249:6 253:17 291:24 306:14 351:17 354:1 358:5 430:1 472:20 483:15 484:25 suffered 95:3 100:9 117:19 295:14 296:1 319:24 suffering 16:7 53:14 98:11 116:6 118:17 127:1,6 226:14 326:17 335:24 354:18 415:16 424:20 485:7 486:18 490:17 sufficient 373:17 494:3 sufficiently 194:5 suffocated 333:5 suggest 416:23 465:10 471:19 suggested 48:18 110:6 suggestions 74:14 suggests 128:9 141:17 182:2 220:12 suicide 172:7 404:11 suit 324:4 suits 324:7 sulfur 161:11 183:25 Sullivan 37:5,6 390:7,8,8,16 390:17,19 sum 96:5 summaries 80:20 summary 129:2 157:19 246:11 373:18 summer 22:10 23:14,18 29:23	30:1 32:12 40:13 59:19 68:4 89:16 90:12 114:24 117:11 129:15 132:15 145:22 154:7 160:21 164:1 199:1 222:1 256:1,1 266:11,13 271:13,15,24 287:11 333:4,9 347:14,23 348:3,19,21,24 353:4 358:8 366:3 383:11 384:22 391:7 391:10 403:22 412:1 433:12 441:15 450:23 465:15 476:10 479:13 summers 71:17 71:18,19 82:4 89:14 131:12 238:23 240:25 258:11 365:24 379:12 406:4 476:1 sums 87:14 461:12 sun 46:3 178:7 178:25 287:3 302:25 313:16 331:11 340:2 418:9 sundown 347:18 sunlight 81:25 274:12 sunny 82:9 super 168:19 227:22 345:11 391:2 396:22 supercharge 346:12 supercharged 145:23 346:5 Superfund 144:15	supersede 47:23 supplemental 8:20 suppliers 180:16 181:9,15,25 supplies 378:2 supply 42:15 58:9 155:4 201:5 245:12 250:10,25 251:16 392:2 424:13 support 20:15 49:22 63:4 74:17 79:3 99:24 100:3 136:5 158:10 159:23 173:23 180:23 181:23 189:4 265:6 274:2,3 276:11 300:19 334:13 340:17 359:7 375:23 388:8 396:7 406:4 422:8 443:15 470:1 493:16 supported 35:19 183:12 220:10 331:6,18 435:11 449:8 supporters 126:11 231:8 252:10 supporting 7:3 46:20 93:4 208:21 289:5 341:9 supportive 87:12 supports 35:23 42:10,25 43:17 44:25 181:2 186:19 330:9 331:19 346:16 417:1 Suppose 400:9 supposed 89:17 101:22 137:7
--	--	---	---	---

280:25 281:22	360:11 442:17	system 57:21	83:16,20 99:2	188:11,15
282:1 324:21	497:12	92:16,21	147:8 160:2	189:1
Supreme 40:24	survivors 269:24	176:24 195:13	167:22 174:19	team 10:25 84:6
61:18 68:20	444:16 474:7	265:6 283:10	194:16 195:21	203:7 255:4
97:14 101:3	Susan 225:23,25	299:6 306:19	196:24 202:2	267:19 296:14
110:5 125:20	421:11,14	315:7 383:19	220:15 225:6	318:9 387:6
125:23 127:24	454:22	389:13 479:20	238:21 240:2	398:25 408:21
128:10 200:9	susceptibility	systematic 78:25	269:8 288:18	412:20 436:10
210:19 211:10	364:9	79:4,13 80:20	303:17 315:12	485:19
218:12 252:24	susceptible	292:21	326:19 327:4	technical 12:15
289:16 350:9	25:11 154:15	systems 41:10	351:3 380:4	14:9 21:18
414:6 425:22	214:9 364:1	43:21 84:25	401:14 407:20	46:18 83:11
440:17	419:2 427:7	144:4 165:21	413:4 424:7	147:19 166:15
sure 21:9,24	sustainability	313:23 474:14	429:13 440:19	180:9 219:19
112:1 188:2	78:14 124:14	494:22	472:24 475:9	342:6 359:3
204:2 242:7	185:3	Szabo 1:11 2:19	496:22 498:14	421:10 423:19
260:16 266:21	sustainable	3:2,9 6:9	taken 83:24	462:3
270:15 273:16	219:11 245:14		170:10 202:11	technically
324:18 332:10	313:16 339:25	T	209:11 317:15	464:2
409:16 413:6	sustained 95:9	T 477:12	322:3,9 408:3	technological
438:11 451:22	95:11 131:14	Table 286:2	445:21	181:16 209:6
451:23 489:13	Swain 258:8	tablet 362:12	takes 42:19 75:8	259:19
surface 47:10	swamp 367:6	tackle 21:1	214:21 370:20	technologically
453:20	swaying 466:1	211:17	talk 64:13	181:18
surge 290:13	sweaters 117:11	tackles 168:10	171:16 214:3	technologies
Surgeon 46:5	swelling 433:13	tackling 230:7	370:13 456:18	43:2,11 45:9
165:4	sweltering 22:15	232:9	496:3,15	48:7 88:5,11
surgery 429:8	117:12 127:7	tactics 82:16	talked 214:4	179:23 180:16
surges 144:17	swept 91:2	tag 406:1	271:7	180:19 181:11
surprise 108:24	442:22	tailpipe 75:1	tampering 28:18	182:9 201:3
surprising 215:4	swift 248:10	143:8 146:7	tangible 33:8	209:1,18 295:3
surrendering	swimmable	147:13 150:14	tankers 308:20	314:15 341:24
209:20	407:4	151:21 182:11	tape 340:3	343:20 380:23
surround 199:7	swimming	233:6 264:22	Tarbet 417:7,9	446:8 448:20
surrounded	253:14 294:3	311:24 312:23	417:13,15	449:12 451:12
117:14 199:3	391:11	346:23 365:18	tariffs 112:23	451:13 462:24
surrounding	swings 248:11	367:10 376:12	taught 327:20	463:23
122:8 355:23	287:2	386:11 396:8	tax 87:24 336:21	technology
survey 407:7	swirled 320:3	432:23	taxpayer 262:19	41:12 47:19
survivable 292:2	swoop 211:4	tailpipes 29:13	335:25	48:1 58:6
survival 361:20	swore 394:22	132:23 141:4	taxpayers	64:20 75:5,23
403:18 429:16	symptoms 103:9	142:25 232:1	399:18 405:23	76:10 87:17
survive 90:13	132:6 161:21	286:20 288:17	485:1	90:18 96:1
101:23 170:22	177:11 263:22	360:5	TCQ 294:2	118:23 123:9
221:8,16	385:4 389:24	take 17:16 18:2	teach 81:1	182:6 294:23
281:20 356:14	448:2 458:10	18:9,10 25:15	teacher 327:19	342:10 372:21
surviving	458:14	27:25 50:11	392:23 497:10	373:6 380:22
157:24 166:9	synthesized	58:20 63:1	teaching 171:9	448:25 455:15
survivor 242:21	393:8	64:21 78:17	187:8,13,18	462:13 481:4

485:14,15	498:11	286:15 302:5	294:1,5,14	130:24 133:7,8
Ted 65:3,7	temporarily	309:15 335:8	295:10,17,19	133:10 135:22
Tejani 447:5,6,8	449:18	335:10 340:17	319:5 349:3	137:22,23,25
telephonic	ten 129:11	344:15 348:7	374:25 423:1	140:13,14,16
173:25	ten-ish 347:18	355:17 362:1	431:3 470:24	143:2,3 145:8
tell 61:3 135:11	tenfold 245:2	367:25 395:9	474:5	145:14 147:14
153:7 158:1	Tennessee	402:18 419:11	thank 3:1 6:2,3	147:15 149:25
196:2,13 206:1	448:10	421:16 447:7	6:7,8 9:21,25	150:1,5,6
243:6,9 371:14	tens 122:13	469:2	10:1 11:9	152:10,11,17
377:19 380:10	257:24 269:17	testifying 24:13	14:15,16 16:16	155:10,17
391:15 414:10	352:5 376:5,21	44:15 55:4	16:17 19:2	158:5,6,9
456:12 472:20	tentative 9:1	84:7 224:20	21:15,23 22:1	160:6,9 162:9
telling 101:15	Teresa 332:18	225:2 257:16	24:9,10 26:15	162:10 164:17
114:22 324:14	332:22	289:7 299:21	26:17,22 28:25	164:19 165:1,2
tells 100:15	term 129:4	327:15,17,25	29:1 31:22	165:24 166:12
206:5 239:23	188:25 198:14	344:22 349:19	34:20,22 37:3	166:13,18,21
308:14 336:19	198:14 297:14	381:24 382:19	39:2,3 41:20	166:25 170:25
Tem 94:3	334:20 436:8	423:22 440:6	41:22,25 44:12	171:2,5 173:3
temperature	terms 294:21	442:16 445:6	46:25 47:3	175:5,16
73:13 82:2	295:11 435:8	457:1 459:11	49:24 52:7,9	177:19 180:6,7
154:12 172:2	Terri 325:10,11	493:9 498:24	54:24 55:2	182:16,18,21
178:12,21,22	terrible 213:19	testimonies	57:11 59:22,25	184:14,16,20
214:12 234:1	231:18 233:7	321:5 489:4	62:18,19,22	184:22 186:19
275:5 290:12	278:9	testimony 3:17	64:24 65:5	186:21 189:9
310:11 347:23	terrifying 51:20	6:4 8:3,8,20,21	66:22,23 69:17	189:10 192:1,5
430:18 432:12	143:15	10:19 11:7	71:16 74:2,3	192:6 194:22
494:7	Terry 46:5	12:5 13:12,14	74:16 76:3,5	194:23 197:17
temperatures	tertiary 213:22	13:18 15:9	78:8,9,12	197:18,21
22:15,18 82:1	Tesla 294:25	60:3 107:20	80:22,23 83:7	198:1 199:23
90:5 92:20	test 403:17	112:3 119:15	83:9,20,22,25	199:25 201:20
103:3 113:14	433:14	156:1 203:1,4	84:3 86:10,12	201:22 202:4
129:21 141:8	Testa 1:22 502:4	203:10 274:1	86:15,21 88:16	202:10,25
141:13,19	502:13	276:15 318:3,6	88:17,23 91:7	203:13 207:2,3
144:23 146:20	testified 63:5	318:11 340:20	91:10 93:17,18	207:12 210:4,5
149:1 205:19	89:19 410:8	343:1 359:1	93:23 96:8,10	210:8 212:24
208:5 217:10	427:17 489:1	408:15,18,23	96:15 99:10	212:25 213:3
220:22 221:7	testifiers 8:4	409:13 452:7	102:2,3,7	213:11 215:8
221:13 224:17	10:4	480:12	104:17,19	215:11 219:12
229:22 233:24	testify 3:8 11:24	testing 356:13	105:1 106:18	219:13,16
253:10 339:5	12:3 22:2 42:1	Texans 295:20	106:20,25	223:1,2,9
348:2 353:5,10	60:22 63:5	296:1,11	107:2,10 112:1	225:19,21,24
366:6,19 391:9	76:3 86:11	Texas 32:2	112:7,8,12	228:7,11
393:13,25	105:2 108:21	33:17 56:17	113:24,25	230:20,21,23
397:24 399:12	116:18 138:1	65:13 73:17	114:2 116:13	233:11 235:18
404:7 411:5	149:25 160:10	120:1 127:11	116:14,17	235:20,22
427:10 430:21	195:3 201:21	132:15 143:21	119:9,10,14	238:2,3 240:3
432:4 453:20	223:10 225:20	144:2 196:12	121:6,7 123:20	240:4 242:5,6
457:17 484:8	225:25 251:24	236:24 271:12	123:21 126:5,7	242:18 244:2,3
486:23 494:2,5	252:12 262:5	293:23,24	128:11 130:23	244:8 246:21

249:15 251:25 254:16,17 255:6 257:12 257:13 259:22 259:23 260:9 262:11,12,17 265:7,8,22 267:4 270:8,23 272:23,24 273:17,23,24 276:14,17 277:6 279:16 279:19,22 280:8 282:2,3 282:6,7 284:1 284:2 286:8,9 286:14 288:20 288:22,25 291:8,9,15 293:16,18 296:12 299:11 299:12 301:25 302:1,4 304:8 304:9,16 307:7 307:8 309:7,9 309:14 311:5,6 311:8 313:9,10 313:13 315:9 315:10 316:25 317:1,9 318:2 318:14 320:22 320:24 321:2 322:24,25 325:7,9,14,14 327:6,8 329:20 329:22 332:8 335:2,4,7,9 337:5,6,15 340:6,8,16 342:13,14,18 344:14,16 346:25 347:1 349:15,16 352:7,8,11 354:22,23 355:7 357:3,5 357:11 359:12 359:14,23 362:7,8,23	364:25 365:1 365:12 367:14 367:15 369:9 369:12 371:18 371:19 373:22 373:23 376:13 378:24,25 379:3 381:19 381:20,23 384:11,12 387:2,3,13 390:3,5 392:9 392:14,15,21 395:1,3,8 398:4,4 400:3 400:4 402:12 402:13,16 404:23,24 405:6 407:14 407:20,22 408:2 409:1 412:15,16,23 412:24 414:16 414:17,23 417:5,6,11,13 419:6,8,10 421:4,8,12,13 423:17 426:10 426:12,16 428:6,7,9 430:1,2,4 432:12,13 434:18,19,21 437:2,3,11 439:21,22 442:11,12 444:18,19 446:19,21 447:6 449:24 449:25 450:2 451:18,20,21 454:15,17 456:17,19 459:5,6 461:17 461:21,23 462:9 464:8,11 465:1 466:11 466:12 468:22 468:23 469:1	471:4,5,10 473:8,10 475:11,12 478:6,8 479:25 480:1 482:14 482:15 485:12 485:15,16 488:18 490:15 490:22 491:1 492:23,25 495:7,8 497:1 497:3 499:9,10 499:25 500:3,5 500:15 501:1 Thankfully 418:17 thanks 96:18 219:24 249:14 251:23 274:22 387:22 theaters 275:23 Theodore 64:25 theology 187:11 theoretical 40:9 241:23 theories 212:7 theory 305:14 311:21 312:12 331:4 therapy 196:6 thermal 298:6 thermodynam... 293:11 thick 375:19 thing 36:16 54:18 246:4 262:8 264:12 264:20 293:15 327:22 362:6 395:1 414:14 428:4 455:10 things 31:6 68:1 183:5 186:1 240:11 259:3 322:13 327:21 363:23 367:3 379:25 404:3 422:7 499:25 think 32:20	35:14 69:13 93:13 107:3 117:9 152:2 168:12 196:22 197:10 262:10 263:7 270:19 283:24 313:5 322:16 327:22 360:10 366:22 429:15 444:3,4 451:7 499:23 thinking 153:24 329:14 334:24 429:1 third 95:14 101:13 162:20 187:25 198:25 212:4 214:17 244:10 250:25 256:12 278:12 295:1 320:15 336:10 372:20 430:16 431:1 489:14 thirds 229:10 thorough 175:20 thought 165:19 286:24 466:6 thoughtfully 337:24 thousand 418:19 thousands 40:17 45:7 82:9 135:17 153:1 160:25 179:12 192:23 193:24 226:8 252:22 257:24 269:17 278:19 287:22 297:16 306:13 330:22 331:14 342:12 352:5 374:14 376:4,5 378:1 393:8 402:20 412:1 416:7 460:17 464:4 Threads 355:10 threat 18:19	84:13 100:6 116:24 119:18 146:3 147:6 163:22 179:13 196:5 208:9 211:17 228:6 229:14,15 231:11 255:25 282:16 292:11 303:13 304:2 308:3 350:1 351:12 370:19 381:10 403:4 403:18 410:25 413:17 418:13 419:20 467:2 483:18 threaten 72:10 108:5 110:18 134:23 173:2 184:9 253:15 300:15 314:2 320:11 340:4 383:5 402:2 447:24 467:22 489:19 threatened 175:14 261:7,8 261:20 262:3 375:9 425:14 484:7 threatening 50:21 96:21 98:1 132:19 177:5 214:20 351:4 483:19 threatens 18:1 38:17,23 113:7 170:20 229:18 230:1 331:5 378:15 483:21 threats 17:13,16 34:10 105:17 105:17 111:21 124:19 158:16 217:3 220:16 283:23 316:23 359:5 383:14 384:1
--	---	--	---	--

three 42:11 43:10 44:4,8 47:8 59:2 94:14 95:5,6 109:16 129:22 133:24 174:16 211:5 244:24 265:25 270:25 293:24 300:3 328:12 346:1 375:18 383:14 415:7 443:2 447:8,18 449:2 459:12 477:13 483:22 487:23	tilt 331:12 time 3:7 7:12 8:6 11:9,22 12:14 13:25 19:10 21:15 24:25 26:16 30:2,6,8 31:22 32:20 33:2 34:21 43:15 44:5,6 44:12 46:17 49:24 54:24 57:11 60:19,21 69:14,18,22 89:17,20,21 90:16 91:7,21 100:13 106:19 111:22,23 121:6 128:12 129:23 133:7 135:22 145:8 145:21 151:9 153:15 160:6 167:13 170:25 171:16 173:3 175:5 177:19 188:25 190:3 196:22 197:17 202:3 203:12 203:22 204:6 204:10 214:23 228:7 233:22 244:2,17 248:24 254:11 258:19 260:18 260:20 263:24 271:9,10 278:13 281:3 288:21 290:3 294:2 298:19 317:2,7,8,14 318:13,23 329:21 335:3 335:19 337:12 338:1 350:5 352:12 360:11 363:23 364:16 367:1 373:20 380:9 392:9 398:14 403:14	404:18 407:12 407:20 408:2 408:25 409:12 409:25 413:24 420:22 421:4 424:7,11 430:11 440:25 441:25 443:3 448:4 451:20 459:1 461:18 471:3 473:18 482:13 488:16 489:9 492:24 494:18 timelines 43:24 88:3 timer 11:1 times 71:2 129:22 157:17 181:6 196:18 256:8 266:8,8 275:5,19,20 276:1,10 292:24 298:10 325:17 328:5 328:12 343:3 394:8 418:12 429:10 435:6 442:2 449:11 469:22,22 Tina 412:17 413:2 tiny 50:14 262:1 tip 77:3 tirelessly 237:16 titled 4:2 6:13 92:23 343:5 tobacco 46:7 today 3:8,11,16 5:17,20 6:11 9:7,13 11:19 13:8,20 14:18 15:6 16:24 22:2 24:17,22 37:11 41:14 42:1,20 44:1 50:6 61:11 71:11 74:6 76:3 81:5	86:16 88:24 89:19 91:24 95:2 102:8 106:10 111:24 116:18,20 119:15,16 131:5 136:4,9 138:1 140:17 140:21 146:5 149:25 152:6 152:21 155:20 156:1 163:23 167:1,13 171:6 173:12 175:11 184:23 189:22 190:9 195:3,18 198:1,24 199:24 203:17 207:15 209:4 215:9 220:1 223:13 226:4 228:22 231:16 233:16 236:3 238:8,11 239:24 242:2 243:1 244:11 249:18 250:3 262:6 263:20 270:25 271:7 277:20 280:5 280:16 288:14 299:21 302:5,9 309:12 311:13 318:18 321:3 327:25 331:22 335:14 337:10 340:16,20 341:11 343:12 344:15,22 349:19 350:7 351:15 352:15 355:7,17 356:24 357:4 362:1,24 365:16 367:25 369:19 374:6 377:4 379:4 381:25 382:19 384:22 387:21	390:10,25 392:8,13 395:9 395:17 409:20 410:8 417:25 419:17 421:16 428:10 445:6 445:20 447:11 450:9 452:7,13 457:1 459:11 474:6 475:8 486:1 487:21 488:11,17 495:15 498:24 499:18 500:1,7 500:22 today's 2:9,10 2:25 3:5,15,21 4:4 6:6 7:9,18 7:18,21 9:17 9:24 10:2,3,8,9 17:5 18:2 58:22 74:15 107:11 172:16 202:17 317:21 328:10 408:9 500:14 Todd 14:6,17 tokenized 325:5 told 117:10 239:2 241:4 243:3 398:25 414:20 487:17 tolerable 494:7 tolerance 178:14 tolerate 401:10 401:22 toll 50:10 190:23 306:18,19 322:3,9 327:5 397:25 Tomcik 432:14 432:15,16 tomorrow 241:22 tonight 480:8 Tonko 106:22 106:23 107:2,4 112:1 tons 28:9,15
--	--	---	--	--

51:15 73:4	town 22:3	trajectory	397:4 420:6	405:1,4,11
80:2,13 143:22	165:10 348:16	113:19 389:19	424:22 426:8	407:13
162:1 232:5,25	450:25	467:24	462:1 463:3	triage 173:25
233:3 386:15	towns 95:4	transcribing	491:10	triaged 174:2
423:3 455:25	218:6	2:10	Transportatio...	trials 428:16
470:25	toxic 54:12	transcript 2:14	43:13	tribal 151:6
tool 219:1	124:18 143:15	8:12 10:12	transported	173:9 313:20
262:22 272:2,3	143:20 157:25	81:15 502:6,17	112:19	313:24 314:4
272:14 399:24	243:2 253:13	transit 41:14	transporters	314:19 315:6,8
toolbar 12:9	257:4,23 261:6	transition	113:4	491:23
tools 109:23	302:17 486:22	230:13 425:11	trapping 66:6	tribes 314:5,14
378:18 492:9	487:2 489:16	transitioning	92:19	tried 79:17
492:21	toxicity 144:23	419:25 463:17	trashes 56:19	403:23 464:21
top 245:24	toxin-building	transitions	trauma 38:4	tries 18:18
379:24 445:2	406:20	246:17	traumas 360:25	trigger 141:16
topic 321:10	toxins 326:10	translates	traumatizing	141:19 256:9
369:11 413:1	338:16 494:19	492:16	131:15	404:14
topography	track 180:17	transmitted	travel 139:1	triggering
280:22 281:7	278:23 339:21	226:17	322:17	143:13
topped 144:21	430:17	transparency	Travis 319:5	triggers 105:13
tore 212:13	tract 214:9	285:23	treasure 205:16	143:24 176:9
tornado 214:17	trade 42:5	transplanted	410:21	176:15 177:13
303:12,19	180:15 189:8	55:4	treasured 231:4	448:1
tornadoes	tradition 19:19	transportation	treat 65:15	trillion 137:1,2
159:18 223:23	187:12	2:24 3:14	76:21 157:3	179:9 196:18
239:15 241:19	traditional	19:23 20:4	treated 356:13	232:5 358:12
279:11 303:13	193:5,15	30:18 39:6,12	420:13	398:16 420:2
303:16	traditions 406:3	41:10 45:17	treating 157:6	460:2,11
torrential 197:1	469:7	47:6 58:2 62:7	treatment	477:11
322:11	traffic 43:13	73:9,19 75:3	433:16 447:23	trillions 218:20
tortured 440:12	160:19 165:13	75:23,25 80:12	treatments	331:1 426:4
total 28:24 44:2	427:19	80:15 84:24	177:2 310:2	trimming 219:5
48:24 70:9,12	tragedies 474:14	94:12 98:17	327:3	trip 25:7
102:21 142:15	tragic 227:21	102:23 104:7	treaty 77:18	triple 399:8
191:7 232:16	458:19,22	104:16 124:12	463:6	tripled 217:24
268:17 401:3	486:17	135:2 140:4	Tree 232:20	406:25
totaling 254:12	tragically 37:19	142:13 161:22	406:11	trips 326:24
totality 69:24	168:23 422:4	184:3 200:25	trees 214:16	353:15 484:10
totally 35:16	trailer 364:19	208:15 211:14	367:4 406:12	troops 308:5
touch 142:21	trailers 367:5	218:4 234:6	411:9 479:7	troposphere
222:25 366:8	trails 257:22	250:18 253:25	496:8	389:3
touched 24:21	405:22 406:6,7	257:6 264:1	tremendous	trouble 12:22
toughness 55:16	train 182:9	280:24 313:16	107:15 154:21	troubling 286:5
tourism 253:16	380:7	313:23 314:6	258:15	475:22
406:4,9 411:11	trained 388:10	315:7 329:2,7	trend 48:6 221:5	truck 27:6 42:20
tourist 160:21	training 63:4	333:19 338:2	trends 164:1	42:21 80:7
Tours 67:7,8	87:14 213:16	338:12 340:14	206:4 277:14	86:18 252:14
Touw 80:24,25	471:13 486:8	344:5 348:12	279:9	299:23 344:24
81:1	trains 343:22	373:7 385:21	Trent 404:25	481:2

truckers 43:6	112:23 129:4	turnabout	391:14 476:2	Ulla 230:22,24
trucking 42:3,6	440:11,15	127:13	typically 284:23	ultimately
42:7,9,13,24	489:2	turned 10:21		109:17 258:1
72:22 237:14	trust 121:2	239:1 319:9	U	270:2 371:18
377:14	192:13,17,24	406:15 407:2	U.S 1:4 21:6	UN 188:16
trucks 27:6,10	193:17 194:4,8	480:14 481:24	28:8,22 33:16	UN's 363:13
41:13 42:20	194:12,15,20	turning 77:20	50:23 58:7	un.org 329:6
43:25 44:3	244:16 311:2	204:10 380:20	73:11,13 77:10	unable 82:7
54:10,15 62:10	320:21 336:3	turnover 48:18	77:20 80:1,7	186:24 383:7
115:19 119:20	337:5 347:21	49:5 88:15	85:9 94:13	488:10
135:1 138:8	trusted 189:17	341:5,15	95:13,16 101:3	unacceptable
168:7 234:9	350:22	turns 486:19	102:20,25	336:24 350:1
238:14 249:1	truth 115:10,20	twice 53:23	106:14 115:22	443:24
252:18 263:17	195:11 229:2	169:9 273:9	122:21 134:16	unachievable
264:5,22	309:2 324:14	twin 262:3	135:4 139:6	42:11
281:16 344:7	330:23 332:2	442:20	142:16 161:23	unaffected
372:3 376:1	490:2,10,12,14	two 10:22 11:8	171:23 181:14	322:6
385:24 427:23	try 45:22 111:19	13:18 14:21	181:23 182:6	unaffordable
445:15 455:21	121:22 164:25	18:6 20:15	193:22 201:8	177:16
463:17 480:21	277:4 438:12	29:6 47:15	202:13 209:4	unanimously
497:15	trying 68:22	58:23 78:17	209:20 220:2	397:20
TRUCS 49:17	115:2,17	89:1 95:6	227:13 231:25	unanswered
true 48:16 71:11	131:20 155:13	125:3 131:12	247:12,13,21	498:2
71:11 100:7	157:12 213:19	145:18 162:23	248:9,11,12	unavailable
129:10,20	231:21 239:7	182:8 205:19	249:5 252:24	306:12
165:25 179:5	323:25 355:2	208:3 229:10	258:16 263:19	unbearable
210:25 246:2	414:19 417:10	231:17 237:4	275:24 289:12	281:4
272:10 277:24	421:23 443:13	237:17 240:25	289:15,18	unbiased 462:3
316:5 330:14	490:18	245:1 285:2	291:3 299:5	unborn 237:15
449:13 466:6	tsunamis 391:22	286:1 290:7	308:11 309:19	uncertain
469:24 474:18	Tucson 365:6,14	300:3 303:16	322:16 338:5	211:21 218:17
502:6	tune 297:7,16	320:4,7 325:18	338:15 339:14	222:13
truly 61:14	turbo 20:7	327:1 330:8	343:25 346:14	uncertainties
80:17 162:6	turmoil 360:23	342:1 345:6	347:9 351:21	86:5
232:2 344:11	turn 2:11,12,16	360:11 365:23	357:24 373:1	uncertainty
380:1	2:19 6:5 9:22	383:9 448:11	377:7 397:23	47:24 201:7
trump 64:14,15	11:18,25 61:1	488:6 489:4	400:21,24	218:2 222:18
64:16,16,17	85:14 93:13	two-and-a-half	401:23 428:1	248:2 283:19
65:15 76:13	106:12,13	203:4,12 318:6	430:22 431:7	481:10
77:12,20 78:1	122:18 137:13	318:13 408:18	438:19 449:14	unchecked
78:4 83:6	155:13 186:4	408:25	459:1 460:12	129:9 233:7
86:22 111:1	204:7,9,24	two-part 452:23	463:3,21 466:3	237:1 250:7
115:20 116:4	223:7 243:15	two-year-old	494:12 501:2	uncomfortable
195:9,22 197:5	249:20 274:18	360:13	UC 155:18	22:25
259:4,10	303:15 315:17	type 68:3 79:6	UCLA 258:8	uncommon
289:18 321:11	316:11 354:15	types 33:21	UCSF 52:14	360:18
324:10 407:9	370:22 392:19	245:20 364:13	Uhlman 65:1,2,3	uncomplicated
460:25	401:8 440:1,3	typical 73:7	65:7,8	403:13
Trump's 5:6,11	465:21	162:3 256:8	Ula 410:8	unconscionable

232:3 381:7 423:9 455:6 465:22 uncontrolled 467:21 undeniable 467:1 undeniably 411:1 undercuts 372:11 underestimates 227:4 underlies 216:12 underlying 47:22 93:14 174:8 415:14 475:17 undermine 41:6 99:7 130:21 143:7 146:6 193:17 230:9 307:22 352:22 370:14 432:22 434:16 463:21 496:23 undermines 123:16 192:17 192:24 194:4 194:19 218:10 undermining 51:17 134:10 250:24 underpinned 414:1 underpinning 36:18 underpins 121:19 underscores 49:20 underserved 281:6 understand 49:21 69:25 75:1 104:2 110:9 159:18 375:5 474:16 474:19,22	understanding 111:5,15 122:11 155:24 188:6,23 understatement 300:5 understood 455:16 underwent 393:9 433:15 undoing 179:19 380:16 undoubtedly 212:22 467:5 unduly 194:10 unequivocal 92:11 179:4 257:7 unequivocally 40:2 289:9 unfamiliar 360:24 unfinished 212:2 unfortunate 162:21 unfortunately 32:24 33:8 129:10 146:2 433:10 434:4 unhealthiest 484:1 unhealthy 253:7 256:6 422:20 470:17 unheard-of 95:3 uninhabitable 147:10 Union 47:7 154:9 289:4 488:5 unique 109:8 uniquely 17:15 38:10 207:25 unit 30:14 283:4 Unitarian 417:18 united 2:4 3:3 4:25 48:5 51:3	61:13 62:3,5 66:3,9 106:11 149:3 162:23 173:16 183:15 185:6 191:2 205:18 206:3 211:15 226:21 232:8 236:1 254:2 283:21 283:22,25 316:8,22 317:17 324:17 368:12 370:2 374:3,10 385:22 400:12 408:5 416:10 416:16 432:18 438:4,16 462:20 463:2,7 463:8,12 495:22 496:5 498:10 500:17 universal 298:16 Universalist 417:19 University 155:24 184:25 302:21 387:15 457:22,23 459:9 460:10 493:8 unjust 197:7 unjustly 351:20 unknowns 404:2 404:3 unlawful 99:7 101:1 124:2 126:4 205:7 206:15,25 208:17 210:13 212:19 220:3 unlawfully 212:5 unleash 5:12 74:18 unleashing 343:5 461:1 485:11 unlimited	126:19 unlivable 310:6 339:22 442:21 unmitigated 109:2 unmute 11:23 12:1 145:12 200:3 329:24 410:2 471:7 unmuted 164:21 392:18 438:10 unpleasant 291:21 unprecedented 16:6 24:25 55:24 243:10 405:24 411:21 unpredictable 214:11 unproductive 467:14 unproven 43:11 unquote 439:10 unravel 40:5 unraveling 216:8 339:9 unrealistic 75:1 87:17 88:3 unreasonable 86:25 unreasonably 368:4 unregulated 112:20 157:12 247:19 249:9 251:7 unrelenting 349:4 unreliable 99:23 331:8 unsafe 105:24 234:3 366:13 406:5 491:20 unscientific 235:8 294:12 381:9 unsighted 49:1 unsound 208:19 222:11	unsourced 49:10 unstable 98:12 98:22 361:17 unsubstantiated 350:16 Unsurprisingly 459:15 unsustainable 351:11 untested 235:7 unthinkable 132:25 133:2 untold 334:10 unveiling 377:23 unvetted 208:18 unwell 52:1 updated 51:13 122:10 386:14 upending 301:21 upfront 44:2 48:13 upgraded 314:18 upheld 41:1 176:2 213:6 229:1 397:21 489:5 uphold 26:14 34:17 38:24 41:18 106:15 113:20 120:20 134:7 155:8 164:15 189:23 230:19 251:20 260:23 262:9 293:15 301:21 307:3 309:5,6 309:7 364:22 364:23 367:8 381:16 404:22 421:5 468:20 470:13 495:6 499:7 upholding 24:3 51:22 163:15 246:7 291:7 334:22 359:8 uplift 115:2
---	---	--	---	--

uplifts 378:23	442:5 449:23	433:10	vehicle 1:6 2:7	376:11,24
upper 213:25	456:8 457:1	valid 435:5	4:3,8,15 6:14	377:11 386:3,9
uranium 151:9	468:20 470:11	436:25	19:9 23:5	395:18 396:6
urban 46:3	478:4 487:21	validates 330:21	36:10,16 39:11	405:9 408:8
174:14 232:23	495:6	validity 359:2	39:24 41:19	410:9 422:13
256:8 312:10	urgency 52:2	397:20	42:13 43:5	422:19 423:2
336:10 367:2	495:15	Valley 81:2	44:19 45:3	423:16 424:1
urge 15:4 16:14	urgent 18:2	302:23 353:6	47:16 48:8,19	424:24 425:15
23:3 26:13	25:16 91:23	valuable 237:17	49:23 51:7	425:25 426:3
38:24 41:18	163:1 189:22	411:11	58:5,22 59:3	431:21 432:24
44:18 45:19,23	239:6,6,12	value 275:7,9,15	60:5,17 62:15	434:17 438:3
58:18 81:6	241:8	313:4 494:16	72:17,19 73:3	438:16 446:5
93:16 104:10	urges 251:19	values 189:2,6	73:23 74:20	446:14 447:14
112:3 113:19	urging 256:9	276:4	76:10 85:21	452:21 455:2,9
119:7 120:20	USA 398:25	Valverde 442:14	87:6,9,12,21	455:11,13,17
130:18 134:7	USC 388:1	442:15,16	88:6 89:6	455:24 456:10
135:18 137:18	use 12:16 58:21	Van 262:13,15	94:17 95:24	457:3 459:18
141:1 149:22	59:7,16 69:22	262:17,18	113:20 122:17	462:16 463:16
152:6,21	109:21 142:2	vanished 476:17	128:2 130:22	464:5 470:11
158:25 159:24	166:5 171:16	vanishingly 26:2	136:25 141:4	470:16,24
162:14,15	188:1,14	VanMaanen	142:24 143:9	471:16,25
164:15 170:24	200:21 209:3,5	309:10,11,12	161:25 163:10	472:15 473:2
181:7 183:7	245:8 274:17	vapor 192:22	164:16 167:4	473:19 491:6
191:23 199:9	295:2 327:2	275:1	167:24 168:11	491:11,16
199:19 201:17	406:7 429:11	variability	181:7 186:5,16	492:20 500:19
225:14 228:22	460:21	453:21	199:6,11	501:4
237:25 243:22	uses 50:23	variable 494:6	200:19 201:20	vehicles 4:1,7,14
250:3 252:16	usher 445:4	variations	202:16 208:22	4:19 15:15
254:14 260:22	usually 292:1	331:11	209:10 210:21	17:6 27:5,10
262:21 270:4	469:21 476:5	variety 180:19	211:3,9,23	28:2,5 45:5
279:25 280:11	Utah 279:25	288:8 343:20	212:21 228:25	47:20 48:5,10
299:22 301:21	281:8,10	346:18 440:12	232:1,2,10,13	48:13,13 50:8
303:21 307:3,3	Utahns 280:3,14	various 148:21	232:16 233:2	51:14 52:7
313:5,17	utilities 41:14	149:7 193:13	237:6,8,24	53:11 57:20
326:22 336:24	314:18 341:10	245:19 315:20	245:7,18 250:5	59:12 62:13
346:21 352:6	utility 36:6	321:5	251:21 254:12	64:21 72:8
352:16 354:16	90:16 263:6	vary 13:2	254:16 299:4	75:7,17 84:15
359:4,9 365:16	294:1,23	vascular 227:7	302:11,14	86:21 88:2,9
367:8 371:16	295:23 446:6	vast 144:20	305:10 313:19	91:2 92:1 93:6
376:22 381:15	utilizes 310:23	180:5 324:5,21	313:21 314:1,7	93:16 94:11
382:13 384:5		393:13	314:13 315:5	98:16 101:17
387:1 395:17	V	vastly 287:7	317:19 333:22	103:14,20
398:18 402:9	v 101:4 252:24	vector 103:4,12	334:23 340:21	112:20 114:9
405:7 412:10	350:10	vector-borne	341:12 342:22	123:8 125:1
414:13 415:6	vacations	118:19 237:4	343:7,9,11,24	128:18 131:8
417:3 419:5	261:11	391:24 433:17	349:25 352:19	133:7 135:1
421:5 422:14	vaccinated	vectors 215:1	354:20 355:19	136:1 148:10
423:14 426:6,9	174:4	vehement	356:20 368:2	161:2 162:18
426:21 434:14	vaccines 196:6	367:25	372:6 374:8	164:6 167:22

168:5 173:22 174:23,25 175:25 180:20 181:4,12 184:7 185:12 199:7 201:12 205:9 206:18 207:20 208:25 209:3 210:16 211:13 215:21 216:5 230:6 232:4,7 232:24,25 233:10,19 235:3 236:10 237:10 240:17 245:10,13,16 245:20,21 264:10 268:20 274:5 276:13 294:19,24 297:5 299:9 314:5,16 329:11 330:21 337:23 338:15 340:1,19,23 341:7,17,23 342:9 344:5,9 365:19 367:10 373:1 384:18 385:24 420:1 422:17,20,21 424:17 425:3,5 427:1,13,25 428:4 437:17 438:6,19 445:17,25 446:10,11 449:18 452:20 453:15 470:17 470:18 480:6 480:19,22 vehicles' 268:16 vehicular 156:9 156:13 160:19 302:17 303:9 303:23 304:5 venue 347:11 verbal 2:12 8:3 13:18 203:4	318:6 408:18 verifies 275:10 Vermont 117:8 117:18 131:5 131:13,17 323:16,19,20 362:25 363:4 391:5 Vermont's 131:22 version 9:14 versus 40:25 61:19 127:24 200:9 210:20 339:1 Vet 307:13 veteran 106:14 307:13 486:7 veterans 106:14 307:15,24 308:24 viability 436:7 vibrant 269:5 272:21 Vice 42:2 119:14 121:1 Vicedo-Cabrera 227:9 victim 32:23 411:18 victims 474:21 video 16:20,25 81:12 107:3 152:13 155:14 186:25 223:5,7 259:25 304:24 327:14 335:9 359:22 405:1 440:1,3 464:22 view 2:15 46:10 285:9 329:10 334:17 475:4 viewing 13:3 views 6:19 327:23 500:11 VIII 46:3 villain 313:8 Vineyard 367:19	violate 134:11 violates 125:20 350:9 485:5 violation 126:15 335:23 376:25 377:1 violence 298:8 404:6,20 violent 96:23 404:8 violently 144:8 viral 25:5 Virginia 192:8 347:5 348:24 virtual 1:4 2:5 3:5,21 9:24 10:6 202:6,14 267:7,24 317:10,17 407:23 408:6 499:14 500:16 virtually 47:11 48:24 132:19 467:20 486:10 virus 153:22 viruses 174:12 viscerally 25:16 visible 229:6 vision 267:2 visit 32:24 364:12 visitation 411:10 visiting 114:11 243:8 visitors 412:8 visits 40:18 161:19 171:25 172:3 190:4 283:3 327:4 358:14 386:7 416:13 427:12 484:21 vital 29:14 57:22 99:1 103:24 132:20 138:7 141:5 229:18 233:21 288:16 366:20 367:9 490:5	vitality 208:10 VMT 48:20 voice 29:10 62:23 219:9 226:4 307:13 360:2 395:13 478:15 voiceless 361:10 voices 107:16 187:22 230:18 voicing 207:17 volatile 70:23 161:11 183:22 201:4 250:20 344:8 487:4 volume 11:5 203:8 318:9 408:21 voluminous 108:6 voluntary 182:25 volunteer 44:15 200:6 279:24 311:10 357:13 459:12 Von 464:12,14 464:18,21,24 465:1 vote 272:17 voted 435:12 voter 357:13 voters 152:2 252:7,10 254:21 255:8 300:19 395:12 407:8,9 Vox 441:23 vulnerability 370:7 vulnerable 17:15 23:24 25:20 38:10 54:2 102:18 106:4,15 118:6 146:17 151:4 158:18 164:15 222:4 256:11 281:5 300:6	301:3 307:6 312:9 326:6 351:16 365:20 370:6 385:15 396:17 397:7 413:9 427:3 467:16 468:1 468:17 491:21 <hr/> W W 213:4 wages 250:16 wait 147:14 203:9 318:11 408:23 waiting 242:12 332:15 362:17 499:21 waitlist 11:6 waivers 59:18 396:15 wake 248:20 366:1 walk 32:17 56:6 130:10 141:4 242:4 walking 32:13 308:15 366:12 wall 440:13 wallets 37:1 136:11 362:5 walls 319:10 Walton 116:16 116:17,19 want 18:22 20:25 46:25 60:13 63:3,4 63:23 64:22 76:17 78:17,20 80:17 81:8 88:18 105:1 189:5,22 195:23 196:4 196:15 197:4 213:5,5,11 247:14 259:13 260:24 280:16 292:5 316:19 316:21 324:4
--	--	--	---	--

332:10 344:3,5 344:7,8 370:22 375:24 377:18 392:8 398:21 403:11 407:10 430:9 437:4 438:7 444:14 456:11,12 490:15 491:4 493:19 499:25 wanted 413:4 499:15,24 500:3,5 wants 81:16 98:12 238:9 239:25 240:9 461:13 473:17 475:24 war 77:13 78:2 319:18 warehouses 199:4 warm 172:1 277:23 366:1 411:19 456:6 warmed 141:9 warmer 63:15 90:24 100:12 141:7 229:21 253:15 433:3 441:15 warmest 129:11 129:12 278:1 290:4 351:7 398:23 430:5,6 430:13,14 warming 20:3 21:7 23:15 25:23 35:24,25 53:4 62:3 89:13 90:3 92:10 94:13 128:20,21,22 130:2,16 131:9 131:21 132:22 138:22 139:13 146:2,10 150:19,24 178:22 187:15	217:13 220:20 237:2,23 262:24 274:24 275:11 278:21 278:24 287:13 287:17 292:10 295:5 298:5,10 300:14 316:2 331:9 339:2,4 339:8 345:3,16 346:4,9 348:9 348:9 349:7 366:5 374:4 383:10 422:22 427:19 428:20 432:1 438:22 439:7 450:12 465:5,15 470:19 471:19 486:18 494:4 494:18 Warming-affe... 253:11 warms 178:9 292:9 416:2 486:22 warn 218:19 224:15 415:12 warning 11:4 199:1 303:19 warnings 77:2 129:15 130:7 488:9 warns 129:7 264:12 Warrick 81:2 wash 119:1 washed 18:15 26:5 239:17 436:4 washing 496:12 Washington 106:11 133:24 158:9 165:5,10 247:5,25 311:11 380:10 400:7 423:23 424:9,21 425:5 426:20 488:21	493:9 Washington's 425:14 wasn't 241:6 364:19 365:23 435:2 waste 144:17 298:18 429:19 429:20 wasted 330:25 wasteful 308:17 wastes 243:2 wastewater 489:17 watch 103:9 241:13 watched 26:4 291:23 watching 51:19 197:12 water 38:18 105:21,23 106:16 118:21 120:12 136:7 165:12 170:13 172:23 192:22 213:8 214:15 215:6 218:23 229:18,19,24 230:16 255:13 274:12,18 275:1 298:6 300:25 305:15 305:20 319:10 319:15,16 365:25 375:9 381:6 383:15 383:19 386:25 392:2 395:14 396:1 398:11 399:21 406:20 407:11 424:13 424:13 489:18 493:23 494:3,5 waterborne 251:9 290:17 waters 144:3,19 waterways 407:3	wave 185:22 wavered 16:3 waves 20:7 25:25 33:6 53:22,23 55:18 89:22 100:11 127:2 128:6 134:21 136:20 157:25 171:25 172:5 197:2 226:15,21 258:24 290:12 316:10 320:10 346:13 348:20 353:4 400:17 401:10 415:10 430:19 461:6 467:6 498:1 way 22:8 25:14 27:11 33:24 56:14 72:12 115:1 157:21 166:4 187:14 230:16 242:24 247:17 272:9 291:4 296:22 308:10 313:2 315:2 370:4 379:15 397:2 409:11 420:11 436:9 447:1 451:24 471:18 Wayne 233:15 255:20 ways 50:22 104:7 110:11 117:24 138:20 231:9 269:8 334:10 370:20 388:23 403:19 411:2 422:3 472:21 we'll 7:17 11:7 11:16 13:11 21:19 31:10 83:12,14,20 142:22 180:10 202:9 204:17 265:12 357:8,8	477:6 we're 2:10 10:5 33:10 35:5 67:24 69:13 80:4 84:1,1 90:12 124:16 157:12 186:11 187:20 201:23 202:5 217:11 229:25 236:7 258:23 266:20 266:22 278:23 294:23,25 295:22 299:24 312:10 317:22 323:9 335:1 339:21 362:17 379:21,22 394:25 399:4 407:16,19 409:7 414:18 421:17,20,23 422:2 424:13 424:15 425:10 425:16 428:25 430:10 438:8 451:25 452:6 465:16,18 469:15 474:8 495:19 499:23 we've 68:3 88:18 88:20 119:25 132:13 134:22 168:14 170:9 186:1 239:14 260:20 261:4 295:14 307:25 321:23 347:22 377:3 379:16 380:12 404:21 406:11 418:4 465:11,11,12 465:15 474:6 478:22 479:11 495:19 weak 77:24 274:24 394:19 weaken 37:12 39:10 54:9
--	--	---	---	---

164:11 173:23	271:21 286:25	420:23 467:19	Wellesley 465:3	26:6 33:12,20
191:24 201:8	287:21 290:9	482:3 494:25	wellness 496:18	40:12 53:15
201:20 238:21	290:14 302:16	weirder 258:24	wells 336:15	62:24 90:4
304:21 311:15	304:4 305:23	weirdly 55:9	433:23 434:6	138:25 141:22
359:11 397:12	308:2 310:1,17	Weisbond 395:4	Wendy 464:12	151:18 185:17
405:8 426:7	328:12,14	395:5,8,10	went 32:15 55:9	198:12,17
495:17	333:18 339:5	welcome 2:4 3:5	245:3 273:11	205:18 253:8
weakened	346:12 349:1,6	202:13 317:16	347:15 392:10	261:5 263:10
119:19 308:25	368:16 372:9	408:5 417:12	435:16	281:2 287:5
weakening	375:7 377:9	472:23	Wertheim 14:22	291:21 292:23
39:19 134:8	392:1 393:15	welfare 40:3	Wesleyan 72:1,1	293:4,8 322:10
163:10 240:23	394:2 411:19	44:22 46:14	West 295:17	333:5 348:18
357:19 407:9	416:1 430:23	66:7 93:3	355:15,23	353:24 369:18
491:11	431:11 441:20	94:16 97:12	356:8 375:2	369:23 370:15
weakens 193:5	443:13,19	98:2 100:6	Westchester	382:13 383:22
308:11	444:6,15	105:7 108:6	344:20	385:17 391:7
weaker 106:6	445:19 448:7	110:19 121:19	western 60:16	414:12 415:13
110:22 194:18	453:22 456:7	124:6 126:18	65:3,8 103:25	418:13 452:15
257:3 293:11	474:12 479:6,8	164:7 167:9	229:20 369:17	453:24 474:7
wealth 54:5	483:2 498:4	175:23 180:4	371:11 377:20	478:25 491:7,9
249:4 350:14	499:5	192:17 200:13	382:22 383:16	491:25
351:16 385:10	weather-related	205:9 206:17	450:20 452:14	wildfires 16:6
wealthy 36:22	461:8	208:12 210:23	wetter 141:8	18:14,24 25:1
313:5	Webinar 12:21	211:1,13	wettest 253:23	29:20,22 30:1
weather 20:6,9	website 7:16	215:19 218:15	whammy 442:3	31:4 33:11
20:12 22:24	8:14,14 46:20	222:24 223:18	wheat 229:10	35:12 40:12
25:24 31:4	65:10 165:7	226:10 229:3	494:16	77:2 82:6,12
33:6,10,25	264:7 277:13	240:19 269:25	whims 248:17	89:24 100:10
53:17 68:3	279:17 329:7	289:12 337:2	whiplash 258:10	117:20 120:1
72:10 73:20,25	335:2	340:4 346:10	whipsaws 124:9	127:2 134:22
81:18 85:10	Wednesday	372:7,9 382:5	white 62:4 303:6	138:24 139:21
94:8 105:10	499:21	384:21 393:22	396:18 411:17	144:23 157:24
120:2 124:18	week 16:2 25:4	402:2 413:18	Whitney 233:12	159:17 169:6,7
127:3 128:24	30:3,4 67:22	440:24 441:6	233:14	169:13,14,16
130:2 131:10	114:20 253:20	450:14 453:1,7	who've 45:21	169:20 174:17
139:9,9 140:5	364:19 369:20	453:14 463:2	298:21 360:8	197:1 208:2
143:24 146:12	448:9 498:10	495:2	whoa 63:14	212:12,14
148:14,23	weekend 319:6	well-being 30:25	wide 43:18	217:3 221:23
151:18 159:11	347:10	113:22 120:24	180:19	226:15 227:24
168:19 172:2	weeks 24:25	159:2 175:13	widely 45:10	228:6 234:2
198:11 201:6	30:2 40:13	220:25 225:16	463:14	238:25 239:11
214:11 217:22	91:3 107:14	354:14 366:21	widespread 86:8	239:13 241:3
223:20 224:5	205:19 284:18	378:15 382:17	wife 240:8	241:16 256:2
224:22 237:3	384:24 443:5	384:9 401:11	316:17 345:11	269:15 292:12
238:20 240:22	Weibel 194:24	488:11 494:22	wild 326:18	300:24 301:5
250:20 251:1	194:25 195:1	well-established	406:4	309:20 316:10
258:9,25	weight 27:6	97:17	wilderness	321:24 333:12
259:18 269:13	190:16 264:13	well-known	316:18	346:2,5 349:4
269:20,23	312:1 418:25	111:20	wildfire 18:12	351:10 358:6

368:15 375:1	Wisconsin 60:11	403:12,19	354:3 358:15	121:12 228:19
383:3 384:24	60:16 140:18	women 149:12	359:25 363:6	314:19 315:21
391:22 394:1	140:19 141:11	151:8 160:3	376:6 386:7	349:23 482:21
411:24 412:5	141:25 252:6	225:1 419:15	398:14 406:21	world 41:3
414:8 415:11	253:9,21	420:21 467:16	413:2 420:25	65:18 77:22
418:3 430:25	Wisconsin's	468:1,5,11,11	444:9 448:6	116:23 126:19
431:2 439:6	141:7 253:16	468:18	481:1 484:16	132:24 133:2
445:20 451:3	Wisconsinites	women's 466:22	484:23,24	139:9,12 142:7
453:25 454:2,5	253:3,5	won 460:21	496:23	167:11 179:24
454:12 467:7	wisdom 188:13	wonder 103:23	workdays 151:5	180:21 181:17
469:17 470:4	194:16	465:9 484:11	worked 16:23	183:1 187:17
475:1 476:4	wise 219:9 376:8	wonderful	133:16,25	195:17 209:4,7
492:10 498:9	wisest 126:3	197:23 316:21	192:9 213:21	220:9,20
wildlife 406:14	wish 10:4 304:6	wonders 77:23	237:16 247:11	238:10,25
411:7 472:22	wishes 145:24	411:9	347:14 381:5	241:2,16
476:14	withdraw 44:20	wood 371:13	405:13 436:10	244:16 246:16
Willamette	121:14 123:20	woodwork	436:21	248:18 256:5
302:23	124:7 125:16	127:17	worker 251:11	259:22 267:11
willful 481:11	126:4 170:24	word 301:13	253:20 354:13	268:3 272:13
William 99:12	183:8 201:18	324:20	368:25 482:2	277:14 286:25
99:14	206:24 210:2	words 18:20	workers 149:14	297:5 298:11
willing 147:3	212:18 233:7	71:8	249:5 251:17	299:7 300:4
310:14	280:1,11	work 16:9 22:11	256:15 353:6	308:14 329:18
Wimmer 180:8	299:10 336:25	39:22 46:23	353:14 354:21	361:16 389:11
182:20,21,22	352:17 381:15	54:4 56:14	385:9 491:22	401:12 402:25
win 123:14,14	472:25 478:5	59:5,9,13,18	Workers'	411:23 428:2
wind 165:19	482:10	59:19 63:20	353:13	441:18 462:11
279:3 435:12	withdrawal	64:7 68:9 69:5	workforce 41:9	462:18,24
448:17 451:11	294:11	84:17 98:1	85:24 191:7	463:5 466:4
497:25	withdrawing	102:8 104:17	250:9 447:22	484:1 494:5
window 12:11	34:5 77:17	114:3 116:19	working 34:3	world's 30:20
windows 420:17	withdrawn	117:17 120:8	52:12 59:23	76:14 236:17
winds 243:12,15	102:1	133:1 138:12	60:20 75:21	363:15 374:22
383:2 443:10	withholding	148:3 153:8	114:5 120:6	393:11 400:9
windstorm	118:3	159:6,7 163:1	126:12 135:18	430:5,13 434:9
443:10 479:14	withstand	171:7 173:15	153:10 162:15	441:7
winners 248:8	127:21	182:15 183:1	173:25 182:15	worldwide 103:2
wins 283:17	witness 7:24	183:18 184:2	195:18 200:23	160:25
winter 160:21	482:5 486:17	191:5,19	204:3 215:2	worried 261:15
217:11,13	witnessed	193:15 208:11	231:3 284:14	261:16,18
221:9,13,18	119:25 353:2	215:5,7 218:11	285:4 359:16	worries 338:11
243:9 266:13	375:20	231:8 250:14	365:23 391:16	464:20
295:16 399:1	Witnesses 6:19	252:9 263:14	425:4 436:16	worrisome
450:22 484:6	witnessing	263:24 264:25	438:25 447:9	366:21
winters 23:12,15	117:21	268:9 283:7,9	464:19 485:6	worry 61:12
253:15 258:10	Wojcik 282:5,6	283:15 288:3	493:13	240:13 283:16
398:9 406:2	282:9	291:4 309:14	workplace	303:20 334:2
433:3	woke 418:8	311:9 326:8	250:12	worrying 34:13
wipe 216:5	woman 403:12	331:2 347:5	works 68:8	worse 18:14

22:23 31:17	487:9,10	www.regulati...	339:3 342:4	216:6,8 217:18
32:9 38:15	worship 421:18	11:14 13:22	345:6 347:24	220:10 221:5
56:18 108:17	422:6 469:6,19	203:19 318:20	347:25 351:7	222:5 223:12
109:4 138:19	469:22	409:22 500:24	360:16 366:16	227:2 235:17
161:13 167:11	worst 26:10	Wyoming 450:8	368:17 374:22	245:2 247:22
169:14 186:7	150:23 165:15	450:20,25	376:6 377:22	253:23 260:14
224:11 229:23	231:13 238:24	451:10	378:7 379:18	261:8 263:1
238:20 239:12	241:2 253:21		379:21 383:18	272:11 275:4
258:23 259:3	258:12 272:15	X	397:24,24	279:9 284:24
263:21,23	356:4 458:17	Xie 461:20,21,23	401:9 407:2	288:6 290:3,4
279:5 283:1	498:14	461:24 462:8	415:12 419:24	291:17 295:14
290:20 292:24	worth 304:7	462:10	422:5 424:10	295:23 301:7
293:12 296:5	308:19 325:15		430:6,13,15,17	303:2 307:19
308:1,8 345:1	worthless	Y	431:7,10,12	310:8,11
345:14 349:2,7	319:21	Yale 300:18	441:11 442:21	316:19 325:16
363:23 367:3	wouldn't 133:1	404:7 457:22	448:16 449:6	325:18 327:1
389:23 419:4	326:20	yards 39:16	450:21,24	327:20 328:19
427:5 443:23	wrap 11:4	Yates 428:8,9	460:10,17	330:11 331:14
467:21 476:18	111:24 326:14	yawning 194:8	465:5 476:16	331:14 336:2
477:17 498:9	wreaked 345:11	yeah 273:19	477:12,13,13	342:1 345:24
499:6	wreckage 270:4	365:11 417:10	477:19	346:7 347:18
worsen 33:5,20	Wright 65:12	450:5	yearly 28:16	348:4 351:7
34:7 77:5	127:15 233:13	year 26:4 28:4,9	196:17 433:10	360:11 368:8
100:16 101:21	233:14,14	48:24 55:23	458:1	379:20 381:6
144:24 190:10	297:10	69:14 73:13,14	years 4:19 16:24	387:18 388:2
212:23 221:6	Wrightstone	77:5 80:14	18:6 27:1,18	391:17 397:17
309:25 310:17	329:23,24	81:22 95:2	28:21 29:22	398:22 402:21
351:2 358:6	330:1,4,5	97:7 119:24	32:12 37:17	403:5,17
377:12 421:4	writing 6:21	128:23 129:12	39:22 40:5	405:14 418:7
457:4	71:19 459:10	129:12 139:22	52:13 60:9	418:13,16
worsened 53:14	464:10 474:15	139:22 144:21	68:17 79:21	422:25 424:12
150:24 157:21	written 5:23 7:5	145:20 151:20	91:13,18 96:25	428:13,14
225:4 279:11	7:10,11,13	170:4 174:3	98:24 100:3	430:6,14 432:4
385:5 484:18	8:12 9:15	179:19 181:15	103:1,2,18	435:7 440:8,17
492:13	10:11 28:19	191:4,12 195:1	105:24 113:11	442:19 454:8
worsening 23:17	47:14 74:12	196:18 209:9	116:25 117:4	458:5 459:21
33:24 37:23	76:2 81:15	212:13 217:22	126:12 129:11	465:21 466:21
40:11 56:2	118:25 127:14	221:20 222:14	133:25 137:1	467:4 472:19
72:20 130:6	137:18 244:18	227:24 236:17	143:16 152:20	476:7,9 479:23
134:19 141:21	285:7 337:24	236:18 238:24	160:16 162:23	486:5 488:21
163:25 217:3	359:12	240:25 241:20	169:1,13,14	YECA 235:24
237:9 288:19	wrong 44:7 75:4	242:24 244:24	171:8,23	237:16
299:25 302:16	81:11 170:5	244:25 250:17	180:14 185:18	Yellowstone
303:5 309:23	206:14 211:7	253:5,22	187:9,12	411:16 415:22
352:15 356:11	211:19 218:12	263:22 266:13	189:15 192:10	Yemen 77:20
378:13 379:12	218:16 329:13	266:17 271:15	192:23 197:8	Yesterday 46:21
414:9 498:12	460:7 467:20	271:18 293:6	205:13,22	yield 136:25
worsens 31:5	482:6	295:22 297:12	208:23 210:23	181:5 358:9
55:18 404:4	wrote 14:24	299:3 306:14	213:23 214:7	yields 250:22
		320:15 336:13		

278:16 426:4 479:4 494:13 Yihao 461:20,24 York 33:14 55:4 81:2,4 82:4,7 96:19,22 97:2 97:5 98:3,16 168:8 265:24 265:25 270:24 271:1 328:5 344:19 345:10 371:24 391:2 435:6,7 442:2 461:9 York's 107:5 108:10 Yorkers 98:10 98:21 99:8 young 29:6 119:5 145:18 146:16 185:6 197:12 224:25 235:23 236:3 238:2 264:16 266:16 271:18 272:17 300:3 302:8,13 303:24 308:9 368:20 403:6 427:7 458:23 483:22 younger 25:11 116:25 youngest 151:3 youth 113:22 362:2 460:21 460:24 Yuri 295:16 Yvonne 419:9	398:7 399:25 431:15 434:24 435:2,3,10 436:5,20,24 490:11 498:13 499:3 Zeldin's 4:22 127:4 145:3 386:23 435:25 zero 88:4 245:16 257:6 400:13 425:2,6 442:24 Zero-emission 41:13 zinc 494:18 zip 356:8 476:25 zone 256:6 319:19 488:23 zoned 149:6 zones 356:3 Zoom 12:7,9	1.8 137:2 10 27:10,17 28:21 37:17 53:7 102:13 103:1,1 116:25 139:11 152:20 171:23 174:2 205:23 222:5 256:8 290:4 292:23 298:10 317:5 320:1 340:25 347:22 351:6 398:22 424:11 430:6 430:13 443:1 449:11 498:11 10-fold 113:12 10-minute 83:16 83:20 10,000 249:25 345:21 454:1,3 100 18:3 28:3 127:19 129:14 144:22 170:3 175:11 209:12 236:21 253:10 295:22 375:4 398:15 403:16 406:12 100-RON 59:4 100-year 169:2 100,000 84:9 358:10 1000s 290:22 100s 151:14 102 391:8 108 489:3 10s 127:6 10th 65:13 11,000 420:3 11:59 7:12 110 129:17 464:3 111 109:24 115 191:8 116th 436:14 117 319:8 416:17 117th 109:10	118 205:20 310:10 119 95:20,21 12 169:1 255:17 275:19 379:24 428:14 469:19 12,000 258:1 357:25 12.2 80:6 438:25 120 310:11 373:14 1200 161:18 1212 286:2 125,000 162:20 126 127:8 127 154:12 13 123:1 189:15 191:3 209:13 254:8 340:24 345:24 130 169:22 431:4 1300 234:17 135 127:12 138 295:19 14-day 433:15 143 236:20 375:3 149 85:11 245:4 343:24 15 95:7 111:24 139:16 142:18 160:16 192:10 204:4 208:23 307:19 316:6 397:17 467:4 498:11 150 303:17 154 253:23 16 27:1 49:3 68:17 100:3 123:3 144:19 288:6 327:20 465:21 16,000 86:19 160,000 91:15 1600 227:1 320:6 451:1 161 12:22	1670 1:25 17 27:10 141:10 195:1 197:10 345:7 170 95:10 175 351:7 17853 242:23 18 319:6 440:17 476:8 180 275:8 1800s 328:24 181 398:12 182 287:20 377:9 1824 178:6 1825 166:1 1850 290:4 430:14,16 1850s 63:12 19 1:10 95:10 245:3 434:11 19.2 234:12 1900 161:20 1950 141:11 1951 229:12 1958 178:15 1960 174:22 1960s 387:19 1966 455:12 1970 27:17 260:18 348:3 386:20 406:23 1970s 18:21 172:22 195:16 1975 254:7 1976 33:16 213:21 1980 27:19 244:22 245:2 1980s 53:24 245:4 477:14 1984 453:24 454:5 1986 95:25 1988 42:21 1990 234:12 1991 227:12 1996 242:24 1999 73:15
<hr/> Z <hr/> Zachary 242:15 242:19 Zeldin 5:1 76:13 78:5 83:5 86:22 97:16 126:16 172:13 230:17 297:16 309:1 321:11	<hr/> 0 <hr/> <hr/> 1 <hr/> 1 28:15 68:25 132:12 168:5 196:18 202:2,9 244:22 246:1 259:6 278:23 295:13 379:17 430:23 477:11 488:4 501:2 502:6 1(b) 439:14 1,000 205:24 253:22 275:13 310:8 1,008 226:25 1,714 227:3 1.1 460:11 1.2 358:12 398:16 420:2 1.2-billion-ton 80:3 1.4 217:21 1.5 275:19 432:1 1.6 231:7 232:4 336:14 412:10 432:18			

398:2 416:17 453:24 456:5 470:22 19th 448:18 1st 3:22 6:16 9:11	110:15 111:7 121:20 124:24 126:23 136:13 156:19 162:16 164:6 172:24 175:15,19 200:13 201:18 202:15 205:8 215:16 220:4,6 228:24 230:3 230:19 252:13 268:12 274:3,8 276:11 277:15 280:2,12 300:16 305:25 317:18 327:18 337:20 352:18 353:23 368:1,3 369:5 373:13 388:21 390:3 393:5,24 402:5 408:7 413:14 417:4 419:18 422:12 423:25 428:11 440:22 445:8 447:13 455:1 457:2 459:4 466:19 466:25 468:20 470:9 473:11 473:15 478:16 491:5 493:10 494:11 495:3,6 500:18 501:3	2019 122:5 171:23 431:13 202 4:9 70:1 109:24 471:23 202(a) 136:15 216:4 268:13 372:4 445:11 202(a)(1) 122:18 2020 28:18 79:18,21 80:12 217:23 233:1 290:5 407:1 2020s 245:1,5 2021 226:25 227:10 292:20 295:6 345:12 402:24 436:5 436:19 476:22 2022 46:17 92:23 95:14 102:22 110:14 125:12 142:16 227:2 234:13 267:13 268:5 353:12 415:23 2023 24:24 29:23 62:1 95:19 117:8 169:8 205:25 227:3 229:9 293:2 306:5 308:18 316:7 360:19 391:5 416:6,17 2024 46:20 51:12 53:18 122:23 161:24 221:3 236:17 258:18 259:5 264:20 287:20 300:18 328:18 328:21 366:16 373:4 377:8 386:14 404:6 416:18 425:6 430:5,12,22 2025 1:10 4:22 6:1,16 7:12 9:12 46:17	65:13,13 66:12 69:14 79:21 141:6 174:24 208:3 245:16 255:16 271:25 275:9,15 301:4 328:6,25 343:25 372:25 441:3,10 493:13 501:1 502:9 2027 41:19 216:6 342:4 2030 460:12 2035 161:17 2040 434:11 2049 179:9 2055 40:16 49:4 73:6 162:2 233:5 423:5 456:2 471:2 206 460:16 20th 64:20 107:5 21 336:9 338:15 2100 278:24 211 73:7 162:3 21st 112:14 448:19 22 323:3 441:24 500:25 22,000 349:22 22nd 6:1 7:11 46:17 23 28:18 254:12 323:4 325:22 337:14 342:3 23-year-old 328:11 230,000 375:11 24 255:17 292:22 332:18 246 295:16 25 102:22 139:17 275:20 354:24 379:20 391:17 422:24 488:21 25,000 134:5 250 140:1	26 59:14 402:20 261 232:12 27 59:14 254:9 291:17 377:9 430:22 477:12 28 62:9 189:24 385:23 428:12 460:2 288 12:22 29 73:9 282:24 409:7 420:7 297 226:24 298.7 174:24 29th 502:9
<hr/> 2 <hr/> 2 8 :3,8 80:13 139:14 157:18 168:21 307:15 2,000 143:22 275:4 478:14 2,035 227:3 2.1 136:25 2.4 348:2 436:2 2.5 360:19 438:19 439:4,9 20 95:23 96:25 97:1 113:11 205:22 221:25 222:5 232:15 244:25 278:17 320:2 360:11 399:11 425:4 20,000 103:20 174:2 353:13 200 293:6 402:24 412:4 478:22 200,000 358:17 407:1 2000 353:12 379:18 416:4 431:13 454:1,5 2001 454:6 2004 226:25 2006 347:14,24 2009 1:5 2:6 3:23 4:2,5 5:2 6:13 15:5 16:4 16:15 17:6 27:8 37:13 60:4 62:14 66:4,21 71:11 82:19 84:12 86:5 89:4 99:18 100:2 107:18 108:3,9	<hr/> 3 <hr/> 3 28 :2,11 80:7,9 126:10 136:5 141:9 144:2 221:19 328:19 340:22 341:20 358:11 3,200 191:11 3,500 358:2 3.3 187:4 3.5 308:19 3.75 328:21 3:17 317:7,14 30 8:3,18 11:3 16:23 52:12 137:1 168:22 169:3 171:8 187:12 241:19 258:1 325:16 330:11 338:4 338:15 381:6 409:8 477:21 488:4 30-year 52:14 30,000 278:5 300 95:5 263:25 357:15 454:3 300,000 181:10 302(h) 372:8 30s 56:1 31 91:13 388:2 310 174:23 32,000 320:6 320 234:14			

3200 433:25	358:13	6000 12:22	8500 27:7
32955 1:25	44,336 150:10	60s 483:12	85th 94:2
33 452:3	4400 435:22	62 209:15	86 407:7
33,000 374:7	45 174:1 263:25	62,000 389:10	870 161:19
34 405:14	287:9	65 258:3	88 407:9
346 79:19	450 28:9 332:25	669-254-5252	89 373:3
35 196:11	357:23	12:21	
213:22 276:1	450,000 449:9	68 295:15	9
466:21	46 123:2		9 167:19 341:11
350 431:23	465 80:2	7	431:9
350,000 168:20	48 73:16	7 344:1 372:25	90 46:16 97:3
195:25	489,000 431:12	379:19	275:2 379:21
36 49:3 379:22	49 79:20	7:48 501:5	379:22
36,300 64:1		70 95:22 189:15	90s 151:13 348:4
360,000 161:20	5	274:21 279:1	92 325:17
3600 348:23	5 141:10 222:5	347:24 406:23	93 366:16
36290 157:19	328:19 334:11	70s 151:12	448:15
37 144:21	460:14	153:16 382:22	94 329:1
371 343:11	5(b) 438:2,15	72 72:21 237:13	95 328:7
38 168:23 179:9	50 65:19,22	377:12	95-degree 23:21
472:19	126:12 180:14	73.8 174:22	97 97:23 232:25
380 308:20	301:7 328:24	735 421:18	474:18
39 376:19	357:16 373:5	469:6	99 40:15 42:22
	400:11,19	74 152:1 300:19	443:11 457:5
4	500 97:6 295:22	339:13	99.9 248:12
4 295:19 299:2	368:17 461:8	75 221:3 279:9	
319:6	500,000 151:2	282:24	
4(b)(1) 284:9	501 502:6	76 297:13 373:4	
4,000 337:18	52 131:24 373:9	407:8	
4.2 405:23	54 460:9	76,000 138:4	
4.6 217:24	55 326:15	77 95:9	
40 42:21 60:9	56-year-old	77,000 141:24	
67:11 68:6	420:12	7th 243:8 310:10	
84:21 132:12	560 377:10		
223:12 458:6	57 260:14	8	
458:23	59 227:1	8 51:15 73:4	
40,000 252:9	5th 256:4	162:1 233:3	
400 50:24 61:22		345:14 379:23	
174:21 235:13	6	386:15 423:3	
269:19	6 12:2 53:7	455:25 470:25	
41,000 449:8	188:17 407:20	8.2 95:18	
415 343:12	408:1	80 331:14	
42 234:15	6.2 95:19	800,000 290:3	
423 328:17	6.5 419:23	339:3	
424.8 175:1	6:00 408:4	805-697-4398	
428 275:9,15	60 23:13 42:19	12:19 13:10	
43 227:13	90:22 232:12	80s 244:24	
433 232:12	373:15 387:17	820 137:1 431:6	
44 343:15	442:19 454:2	84 156:14	
	600 61:9 254:11	85 454:9	