Federal Energy Regulatory Commission

Date: March 29, 2023

Volume:

Case: Roundtable on Environmental Justice and Equity in Infrastructure **Permitting**



Ace-Federal Reporters, Inc. Phone: 202-347-3700

Fax: 202-737-3638

Email: info@acefederal.com Internet: www.acefederal.com

	Page 1
1	UNITED STATES OF AMERICA
2	FEDERAL ENERGY REGULATORY COMMISSION
3	Roundtable on Environmental Justice Docket Number
4	and Equity in Infrastructure Permitting AD23-5-000
5	
6	
7	
8	
9	Federal Energy Regulatory Commission
10	888 1st Street, N.E.
11	Washington, D.C. 20426
12	Wednesday, March 29, 2023
13	9:30 a.m.
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	

- 1 Participants:
- Willie L. Phillips, Chairman
- 3 James Danly, Commissioner
- 4 Allison Clements, Commissioner
- 5 Mark Christie, Commissioner

6

- 7 Panel 1: Priorities for Advancing Environmental Justice and
- 8 Equity in Infrastructure Permitting
- 9 Moderator: Felix Vazquez-Guemarez, FERC's Office of the
- 10 General Counsel, Environmental Justice and Equity Team,
- 11 Attorney-Advisor
- 12 Shalanda Baker, U.S. Department of Energy, Director of the
- 13 Office of Economic Impact and Diversity
- 14 Darcie L. Houck, California Public Utilities Commission,
- 15 Commissioner
- 16 Ben Jealous, Sierra Club, Executive Director
- 17 Dana Johnson, WE ACT, Senior Director of Strategy and
- 18 Federal Policy
- 19 Paul Lau, SMUD, CEO and General Manager
- 20 Julie Nelson, Cheniere, Senior Vice President, Policy,
- 21 Government and Public Affairs
- 22 Matthew Tejada, U.S. Environmental Protection Agency, Deputy
- 23 Assistant Administrator for Environmental Justice, Office of
- 24 Environmental Justice and External Civil Rights

25

- 1 Panel 2: From the Front-Line: Impacted Communities and their
- 2 Challenges
- Moderator: Rachel McNamara, FERC Office of Public
- 4 Participation, Director of Outreach and Assistance
- 5 Russell Armstrong, Hip Hop Caucus, Policy Director for
- 6 Climate and Environment
- John Beard, Port Arthur Community Action Network, Founder,
- 8 President, and Executive Director
- 9 Amy Cordalis, Ridges to Riffles Indigenous Conservation
- 10 Group, Co-Principal
- 11 Kari Fulton, Center for Oil and Gas Organizing, Climate
- 12 Justice Policy Advocate and Educator
- 13 Roishetta Ozane, The Vessel Project of Louisiana, Founder,
- 14 Director, CEO

15

- 16 Panel 3: Identifying, Avoiding, and Addressing Environmental
- 17 Justice Impacts
- 18 Moderator: Brittney Martinez, FERC's Office of the General
- 19 Counsel, Environmental Justice and Equity Team,
- 20 Attorney-Advisor
- 21 Aram Benyamin, Los Angeles Department of Water and Power,
- 22 Chief Operating Officer
- 23 Uni Blake, American Petroleum Institute, Senior Policy
- 24 Advisor

25

Roundtable on Environmental Justice and Equity in Infrastructure Permitting - March 29, 2023

Page 4 Gina Dorsey, Kinder Morgan, Director, EHS-Project 2 Permitting, Operations Support Group 3 Al Huang, Institute for Policy Integrity, NYU School of Law, Director of Environmental Justice & Senior Attorney 5 Dr. Beth Rose Middleton Manning, UC Davis, Professor of Native American Studies 7 Carolyn L. Nelson, P.E., U.S. Department of Transportation, 8 Director of Environmental Policy & Justice Division 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

Page 5 PROCEEDINGS 9:39 a.m. 3 MR. VAZQUEZ-GUEMAREZ: Good morning everyone. name is Felix Vazquez-Guemarez. I'm an Attorney-Advisor at 5 the Environmental Justice and Equity Team from the Office of General Counsel here at the Commission. We are happy to 7 welcome you to the Roundtable on Environmental Justice and 8 Equity in Infrastructure Permitting. Before we begin with opening remarks, I will 10 outline some logistics for the roundtable. This roundtable 11 is a one day Commissioner-led event. Only the 12 Commissioners, the panelists and a small group of Commission 13 staff will have speaking roles today. 14 We will have three panels today, two this 15 morning, and one in the afternoon. There will be a 15 16 minute break in between the first and the second panels. 17 the conclusion of the second panel, we will have a one hour 18 break for lunch. After the break, the third panel will 19 begin at 2:00 p.m. 20 Should a fire alarm occur during this meeting, 21 all in-person participants should follow security staff 22 directions, proceed to the lobby and exit the building. 23 After exiting the building, we will proceed to the First 24 Street sidewalk opposite the building. We ask that all 25 participants stay with the group until after our first

- 1 accountability check, so that we do not unduly risk first
- 2 responders.
- This roundtable is being webcast on YouTube with
- 4 English captioning and ASL interpretation in the room. For
- 5 virtual participants, optional audio in Spanish is provided
- 6 by phone at 888-324-9240, passcode 5777106. Details for the
- 7 livestream and Spanish Audio are available on our website.
- 8 The roundtable will be transcribed, and a recording will be
- 9 available for future viewing.
- The purpose of this roundtable is to discuss
- 11 actions that the Commission can take to better incorporate
- 12 environmental justice and equity considerations into its
- 13 infrastructure permitting decisions. We do not intend to
- discuss the specific details of any pending, contested
- 15 proceedings before the Commission. We ask that all
- participants similarly refrain from such ex parte
- 17 discussion.
- 18 If anyone engages in these kinds of discussions,
- 19 they may be interrupted and asked to avoid that topic.
- 20 Actions that purposely interfere or attempt to interfere
- 21 with the commencement or conducting of the roundtable, or
- 22 inhibit the audience's ability to observe or listen to the
- 23 roundtable, including attempts by audience members to
- 24 address the Commission while the roundtable is in progress
- 25 are not permitted. Any persons engaging in such behavior

- will be asked to leave this room.
- That said, we want to hear from everyone on the
- 3 critical issues discussed today. If you wish to comment on
- today's Roundtable, or another ongoing proceeding before the
- 5 Commission, please visit our website for more information.
- 6 The proceeding docket for this Roundtable is AD23-5-000.
- Members of the public are welcome to submit
- 8 written comments on the Roundtable by May 15, 2023.
- 9 Representatives from FERC's Office of Public Participation
- 10 are available just outside the Commission Meeting Room to
- 11 assist the public with questions, including questions about
- 12 submitting comments. You may also contact OPP at
- 13 OPP@ferc.gov.
- With those initial matters out of the way, I will
- 15 now turn it over to Chairman Phillips for his opening
- 16 remarks. Please go ahead Chairman Phillips.
- 17 CHAIRMAN PHILLIPS: Thank you and welcome
- 18 everybody to the Federal Energy Regulatory Commission for
- 19 this important Roundtable on Environmental Justice and
- 20 Equity. Today we're going to hear from experts,
- 21 policymakers, government leaders, and community members to
- 22 talk about something that -- and I've said this before, and
- 23 I'll say it again. It is not a talking point for me, it is
- 24 personal when I talk about environmental justice.
- I grew up in an environmental justice community

Page 8 in Alabama on the Gulf Coast. And I saw firsthand the 2 impact that these issues that we'll talk about today can 3 have on my community, and my family. That's why since I was named Chairman, I've been committed to addressing the impacts of these issues. For those of you who are new to the Commission, FERC regulates large parts of the energy 7 industry, and the Commission's actions have far reaching 8 implications for the public. Our policies and actions help ensure that 10 everyone has access to reliable energy at a price that they 11 can afford. Part of that broad mission involves the siting 12 of energy projects, such as natural gas pipelines, LNG 13 export facilities, hydroelectric facilities, and in some 14 cases electric transmission facilities. We can all agree 15 that bringing reliability and affordable energy to market 16 helps keep homes warm and businesses running, which is 17 important. 18 And as regulators we cannot lose sight of a 19 related responsibility, and that's fairness and equity. 20 Many of you might be asking yourself what is environmental 21 justice? I think that's a fair question, and I suspect 22 we're going to hear a little bit about that today. I can 23 tell you what it is not. It is not a special interest 24 issue, and it should not be used in a way to divide people.

25

Environmental justice is a cornerstone or

Page 9 responsible and sustainable energy policy. It is about fair treatment of all people, regardless of race, creed, or 3 color. It's no secret that some communities face a disproportionate amount of negative impacts associated with 5 how we produce, transport and consume energy. It's also no secret that those same communities 7 struggle to participate in the very processes that the Commission uses to regulate infrastructure. Still, as a 8 Commission, we've taken significant steps towards improving 10 how we incorporate environmental justice into what we do. 11 My predecessor, Chairman Glick, created the 12 position of Senior Counsel for Environmental Justice and 13 Equity to help coordinate our equity action plan, and ensure 14 that the Commission's policies and processes are consistent 15 with environmental justice and equity principles. Until 16 recently, that role was filled by Martina Cole who has our 17 thanks for her efforts and her leadership during her tenure. 18 19 And just this month we brought on Conrad Boston 20 to fill this role, and we are excited to have him here at 21 the Commission. And at the National Environmental Justice Conference in D.C. I announced that the Commission will 22 23 formally create an environmental justice and equity group, 24 that will ensure durable and lasting change in our industry. 25 Stacy Steep is hiding in the back on my team, and

- then Ellen Katz stood up the Office of Public Participation
- that's helped all parties, including environmental justice
- 3 communities participate more effectively in our proceedings,
- 4 and we are delighted that Nicole Sitaraman is leading that
- 5 office.
- Finally, on the policy front, we are in the
- 7 process of improving how we identify environmental justice
- 8 communities affected by our actions, and how we consider the
- 9 impacts to those communities. While we are moving in the
- right direction we still have work to do, and I'm committed
- 11 to doing this work with my fellow Commissioners and my
- 12 colleagues and the staff here at FERC.
- This Roundtable is important, and is an important
- 14 part of the dialogue that we will need to push the issue
- 15 forward at the Commission. I'd like to extend a warm
- 16 welcome to all of our presenters and quests today, and I
- 17 look forward to hearing your voices. With that I'll turn it
- 18 over to Commissioner Danly, who I believe is remote on the
- 19 phone.
- 20 COMMISSIONER DANLY: Thank you Mr. Chairman, I
- 21 appreciate it. I don't have any initial comments other than
- 22 to say that, unfortunately, scheduling made it impossible
- 23 for me to be there in person and I appreciate the effort
- that everyone has gone through to attend and offer their
- 25 comments today, thank you.

1

2

3

4

5

7

10

11

12

13

14

Page 11 CHAIRMAN PHILLIPS: Thank you Commissioner. Commissioner Clements? COMMISSIONER CLEMENTS: Thank you Chairman Phillips for those comments, and to you and to staff for organizing today's event. And we have a really impressive set of panelists. It's an honor to have this conversation at FERC, and I'm so glad we're having it. I want to particularly welcome members of communities who are impacted by the Commission's decisions, frontline and fence line environmental communities who are serving as panelists today, and who are also joining us, which all of you are going to be talking because I think success today will depend on us hearing what you're saying and learning, learning from all of you. I know some of you are here from Freeport, from I think Port Arthur, from Lake Charles, excuse me, and also

- 15
- 16
- 17 from maybe Virginia and West Virginia, so we appreciate it.
- 18 Since I've joined the Commission two and a half years ago
- 19 I've had a keen interest in the questions that we're teeing
- 20 up today. How can the Commission better incorporate
- 21 environmental justice and equity considerations into our
- 22 decisions?
- 23 Also, how can we assure that environmental
- 24 justice community voices are genuinely heard in Commission
- proceedings? And how could we at best minimize and mitigate 25

- adverse impacts on environmental justice communities? I
- 2 admit I'm weary because we are talking about this issue a
- 3 lot, and I'm anxious for the answers to these questions to
- 4 then get translated into the actions that the Commission
- 5 takes.
- But we have taken these essential first steps.
- 7 Under former Chairman Glick's leadership I helped to create
- 8 the FERC's Office of Public Participation. And at that time
- 9 environmental justice communities representatives and EJ
- 10 experts shared invaluable insights with us during listening
- 11 sessions as well as during a forum to inform our design.
- 12 I'm confident those insights continued to inform OPP's
- development.
- We also developed an equity action plan, and
- 15 expanded consideration to BJ impacts in environmental
- 16 documentation under NEPA. Chairman Phillips mentioned the
- 17 Senior Counsel role, and I am glad that he has filled it
- 18 with Conrad. Congratulations on that role. It's an
- 19 important position to have here at the agency.
- But I know from conversations with many of you
- 21 that, and others concerned about these issues, that there is
- 22 a lot of work ahead for the Commission. So I have three
- 23 hopes for today. First, I hope to learn from all of you.
- 24 For those in frontline communities I hope you will tell us
- 25 about the environmental injustices you have experienced.

Page 13 What experiences have you had with planning 2 processes, and what have you learned from those experiences? 3 Are there certain actions project sponsors could take to help make your experience and engagement better? Similar questions for project developers, what has your experience been, and where have you found practices that have been 7 successful, or could use some improvement? Second, I hope we come out of these conversations with tangible solutions to advance the Commission's 10 obligation to consider environmental justice in our 11 decisions. I encourage all of you who are commenting to 12 give us concrete ideas, concrete ideas, and then to back 13 them up in the comments after today's Roundtable. It can be a bullet point list, if that's easier to get done than a 14 15 whole full set of comments. 16 And third, I hope this dialogue represents a 17 beginning, not an end of our conversation. This forum is 18 not an end unto itself, and I want to ensure that this is 19 not a check the box exercise. I want our panelists to keep 20 us accountable beyond today. Well of course, the onus is on 21 this Commission to translate your input into outcomes. 22 I ask you to please keep up the outreach and the 23 work. And as you are able, again, please provide written 24 comments in the record. Call for staff meetings with our

25

staff, and with the Commissioner's offices.

- virtual, and please encourage others to do the same.
- I know it takes a lot of work to do that. I know
- it's a burden, and we really appreciate the engagement. I
- 4 think that we have a real opportunity here, and I think
- 5 thoughtfully incorporating environmental justice into our
- 6 decisions is not a day long exercise. It's an agency wide,
- 7 year-long commitment.
- 8 So while I remain weary, I'm certainly encouraged
- 9 by where we are today. Thank you.
- 10 CHAIRMAN PHILLIPS: Thank you Commissioner.
- 11 Thank you for your comments and your leadership on these
- 12 issues. Commissioner Christie?
- 13 COMMISSIONER CHRISTIE: Thank you Mr. Chairman.
- 14 I feel very comfortable sitting here with three
- 15 Commissioners, it feels like Virginia. And I won't make any
- 16 comment beyond the right hand of God. We've got to move one
- 17 step over today. But I want to thank everybody from coming
- 18 from long distances.
- I was talking from someone from Houston on the
- 20 Gulf Coast, talking to Maury Johnson over there from Monroe
- 21 County, West Virginia. My grandparents come out of Saints
- 22 Grove, they sure do, and so I'm very familiar with Monroe
- 23 County, yeah.
- So thank you all from coming from long distances.
- 25 The topic of this Roundtable is permitting, environmental

- justice and permitting. So let me talk about this very
- 2 specifically about permitting, and talk about my experience
- 3 as a state regulator, and 17 years as a state regulator. I
- 4 sat on over 100 permit proceedings, okay. We called them
- 5 CPCNs, just like here at FERC, the acronym is Certificate of
- 6 Public Convenience, and Necessity, CPCN.
- 7 So I sat on over 100 of those in 17 years, and I
- 8 want to speak a little bit on that experience. Those were
- 9 permits for everything from electric transmission lines,
- 10 mostly electric transmission lines. I'd say the vast
- 11 majority were electric transmission lines. Also electric
- generating stations, also intrastate natural gas pipelines,
- water facilities, anything that under Virginia law required
- 14 a CPCN.
- And I would say that in every single one of those
- 16 CPCNs, they impacted people okay? You don't build a
- 17 physical facility, an industrial facility, and these are
- 18 industrial facilities, whether it's a generating station,
- 19 power line, pipeline, these are industrial facilities.
- They're going to impact people, okay? You cannot
- 21 do away with the impact on people. So the regulator, what
- 22 do you do, how do you work equity and fairness into that
- 23 proceeding? I think first and foremost as a regulator you
- have to make sure there's three things that happen. And is
- 25 this apart from the statutory law. I think it just goes

- 1 down to fairness.
- Number one, you have to make sure, and I think we
- 3 did in Virginia. I think you have to make sure number one,
- everyone is notified, okay? Everybody who is impacted, and
- there are going to be impacted people unless you build it on
- 6 the moon there's going to be impacted people. And so,
- 7 number one, notify. Make sure that anyone who has the
- 8 potential to be impacted gets advanced notification, and
- 9 that's public outreach. And we have a new OPP Office of
- 10 Public Participation, and I think that's great
- And one of their jobs is public outreach to make
- 12 sure people are notified. We had a similar thing in
- 13 Virginia, we didn't call it OPP, but it was the job of
- 14 reaching out to populations. Number two, inform. Inform
- 15 those who may be impacted that you can participate. And
- 16 here's how you can participate. And we will assist you with
- 17 that, which leads to number three.
- 18 And that is to provide that assistance in helping
- 19 people who want to participate and don't know how. And this
- 20 leads to another thing. I think the regulator has a special
- obligation, and I don't mind using the term special
- obligation. I don't think this is even statutory.
- 23 A regulator has a special obligation to make sure
- that the populations, the communities, the people who don't
- 25 have \$1,000.00 an hour lawyers, don't have the review

- lawyers, don't have that kind of representation. Don't have
- lawyers at all. Maybe not even speak English. To make sure
- that the populations that are less wealthy, less
- 4 influential, not represented by you know, fancy lawyers,
- they have the consideration, and they are told and helped in
- 6 how you participate.
- 7 So, I think that's absolutely an obligation of
- 8 the regulator. When I say special obligation, I'm not
- 9 talking about different legal standards. I'm not talking
- 10 about changing the standard that governs the merit's based
- decision. I'm talking, but I think there's nothing wrong
- 12 with the regulator saying we have a special obligation to
- populations that are non-influential, that are
- 14 non-sophisticated, that don't have the fancy lawyers. We
- 15 have a special obligation to them.
- I don't see any problem with that implicating say
- 17 equal protection issues, which you would have if you changed
- 18 the standards on how you make a merits based decision. And
- 19 I'm talking about a special obligation that I don't see as a
- 20 problem whatsoever.
- 21 So, let me talk for a second too about why
- 22 facilities are located where they are, and I'll base it on
- 23 over 100 CPCN cases. Where facilities get located in my
- 24 experience, comes down to what I call the two E's. First is
- 25 engineering, and second is economic. Now engineering means

- whether it's a power line that's going to cover 100 miles,
- you know, whether it's a pipeline that's going to cover 25
- 3 or 30 miles on laterals say from the main -- to kind of
- 4 serve a generating station, where there's a generating
- 5 station.
- 6 All these facilities first and foremost, are
- 7 planned based on an engineering consideration. Where is it
- 8 going to work? You have to put the facility where it's
- going to fulfill its purpose. Okay? The second
- 10 consideration is the second E, economic. What's the least
- 11 cost option to build it? Because I guarantee you the
- 12 regulator is going to want the least cost impact on
- 13 consumers. We certainly did.
- We want to know what's the cheapest option to get
- 15 this thing built. And it may impact impacting populations
- differently. So, for example, if it's a transmission line,
- if the transmission developer already owns right-of-way,
- 18 that's going to be cheaper than acquiring new right-of-way.
- 19 But that economic decision to use existing
- 20 right-of-way because it's cheaper than acquiring new
- 21 right-of-way, that's going to impact populations
- 22 differently. Not because they're being targeted, but
- 23 because it's an economic decision that existing
- 24 right-of-way is just going to be cheaper than buying new
- 25 right-of-way.

- So, these are really the two things that I saw as
- 2 a regulator that drove where these projects are built.
- 3 Engineering and economics. Let's remember something else
- 4 about CPCN. The P and the N in CPCN stands for public
- 5 necessity, which means public need. The core decision in
- any CPCN proceeding, any permit proceeding, it comes down to
- 7 whether the public needs the facility.
- 8 And if you find as a regulator that the public
- 9 needs the facility, then it should be built because the
- 10 public needs it. It's about serving the public, whether
- it's a highway, a bridge, an airport, a public school, an
- 12 electric generating station, transmission line, it's about
- 13 serving the public. And if the public need is found to
- 14 exist, then it really needs to be built because the public
- needs it, that's why.
- Now football stadiums for billionaires, different
- 17 ballgame, but you know, and don't get me started on that.
- 18 But you could say a needed public facility, really needed by
- 19 the public, then you have to build it. Natural Gas Act says
- 20 -- actually says it shall be permitted. It doesn't say may.
- 21 It says shall. So we need to understand the public has a
- 22 right here too.
- The public has a right to needed facilities. So,
- 24 finally I think that I would just echo what the Chairman
- 25 said about it really comes down to the simple fairness.

- 1 When you do these proceedings, I think the regulator has a
- 2 really special obligation to make sure that populations that
- don't have the, you know, the really sophisticated lawyers,
- 4 and the big law firms, and don't even have representation at
- 5 all, that they're treated fairly.
- 6 They're fully informed of their right to
- 7 participate, their rights are respected, their views are
- 8 given all due respect. And at the end of the day, and by
- 9 the way once you found need, the next thing is mitigation.
- 10 And mitigation can take many forms. It can be anything from
- 11 sound barriers to water run-off facilities. It can even be
- 12 something as simple as repainting -- telling the developer
- 13 of a 765 KV transmission line don't paint it metallic
- 14 silver that somebody can see from Mars, paint it in a dull
- 15 color that doesn't reflect all over the, you know, three
- 16 counties over.
- So, there's a lot of mitigation that comes after
- 18 you decided to build it. And in doing the mitigation it's
- 19 really essential to make sure the population is again, who
- 20 don't have the influence, don't have a lobbyist, don't have
- the lawyers, they get treated fairly, and that the
- 22 mitigation measures are taken to protect their interest as
- 23 well.
- It really all comes down to I think simple
- 25 fairness. And the regulator has a special obligation. I

- don't mind saying it. A special obligation to make sure
- that in all these proceedings fairness takes place, equal
- 3 treatment takes place. With that, thank you Mr. Chairman.
- 4 CHAIRMAN PHILLIPS: Thank you, Commissioner
- 5 Christie for your comments, and for bringing your deep
- 6 experience on these issues from the Virginia Commission. We
- ⁷ appreciate you.
- 8 With that I will turn it back over to Felix.
- 9 Felix, I think you're in charge today. I get the day off,
- 10 right?
- 11 Panel 1: Priorities For Advancing Environmental Justice
- 12 And Equity In Infrastructure Permitting
- MR. VAZQUEZ-GUEMAREZ: Thank you Mr. Chairman.
- 14 Well the first panel today is entitled Priorities for
- 15 Advancing Environmental Justice and Equity in Infrastructure
- 16 Permitting. Welcome. In this panel we will delve into how
- 17 the Commission can better integrate and advance
- 18 environmental justice and equity principles in its decision
- making.
- I will ask each panelist to introduce themselves,
- 21 and we'll provide the opportunity for initial opening
- 22 remarks of no longer than 3 minutes. We ask that the
- 23 panelists press the button to the right of their microphone
- when it is your turn to speak, and to turn it off after you
- 25 are done.

- 1 For our virtual panelists, Commissioner Houck,
- 2 please unmute yourself on Zoom. After that we will begin a
- 3 question and answer session with the Chairman and the
- 4 Commissioners. First we have Shalanda Baker, from the U.S.
- 5 Department of Energy where she serves as the Director of the
- 6 Office of Economic Impact and Diversity. Good morning Ms.
- 7 Baker. Please go ahead.
- MS. BAKER: Good morning Felix, and thank you so
- 9 much for the opportunity to speak with you all today.
- 10 Chairman Phillips, thank you for the invitation.
- 11 Commissioners, great to see you again. And again, this is
- 12 such an important topic, and one that is near and dear to my
- 13 heart, and also core to what I do every single day at the
- 14 Department of Energy.
- As Felix mentioned, I'm Shalanda Baker, and I'm
- 16 the Director of the Office of Economic Impact and Diversity
- 17 at the Department of Energy. I'm also the Secretary Advisor
- 18 on Equity. My role at DOE is to embed justice, equity and
- 19 the promises of civil rights into the clean energy
- 20 transition. Our office is leading the critical ship to
- 21 approaching the climate crisis through equity and solutions
- 22 that give everyone, particularly those on the front lines of
- 23 climate change, and those who have borne the burdens of our
- 24 energy system for decades, the resources they need to
- 25 thrive.

- Energy justice is about addressing
- disproportionate health and environmental and economic
- impacts on communities of color, on low-income communities,
- 4 and on those fence line communities that have already been
- 5 mentioned. Energy justice is also about procedural
- 6 justice, which is a meaningful seat at the table at the
- 7 right time, at the right place.
- It's about distributive justice, which is
- ensuring that the benefits and burdens of the energy system
- 10 are equitably distributed. It's about recognition justice,
- which is recognizing that every community is uniquely
- 12 situated vis-a-vis the energy system, and it's also about
- 13 restorative justice, which is using energy policy and
- 14 proceedings like these to actually heal communities.
- The recalibration of our energy system will
- 16 require a transformative commitment to actually target
- 17 disadvantaged communities, frontline communities for clean
- 18 energy investments, new jobs, and new businesses. Our team
- 19 at DOE is actually committed to all of those things. It's
- 20 committed to transformation.
- The bipartisan Infrastructure Law, and the
- 22 Inflation Reduction Act, and the Chips Act, actually advance
- economic and public health opportunities for those
- communities. They are tools in our arsenal, the tools in
- our toolkit to actually lead to that transformative justice

- 1 in communities.
- 2 But these critical investments are just the first
- 3 steps in advancing equity and racial justice throughout our
- economy. The Department, we are embedding equity and
- 5 diversity equity inclusion and accessibility into every
- 6 single program, every single policy, all of our procurement
- 7 activities, as well as our hiring activities at the
- 8 Department every single day.
- 9 We're implementing Justice 40, we're implementing
- our agency equity action plan, as well as a DEIA plan.
- 11 We're also taking historic, and what we hope will be
- 12 transformative approaches to energy justice, and we're doing
- 13 that through -- we're calling the community benefits plan
- 14 framework.
- The community benefits plan framework that we
- 16 have implemented at DOE gets to the very heart of the
- 17 architecture of the agency. It is how we hope to deliver
- 18 actual resources and energy justice to communities on the
- 19 ground, to support the goal of building a clean and equity
- 20 clean energy economy.
- 21 Every single funding application at DOE is now
- 22 required to submit a community benefits plan, which
- 23 demonstrates how their projects will support meaningful
- 24 community and labor engagement, invest in America's
- workforce, advance diversity, equity inclusion and

- accessibility, and contribute to the President's historic
- 2 Justice 40 Initiative to ensure that 40 percent of the
- 3 overall benefits of our projects that we fund actually flow
- 4 to historically disadvantaged communities.
- Our community's benefits plans are all about
- 6 energy justice. They set our equity in project development.
- 7 I know I'm going to run out of time, so when I get to the
- 8 end here. We know, and the reason why we're here today is
- 9 that we know that the current paradigm of the infrastructure
- development has not provided equitable benefits to
- frontline, underserved and disadvantaged communities.
- 12 Community benefits plans, as we see them, can
- 13 help to mitigate project development risks, provide a
- 14 platform for meaningful community engagement, so that
- 15 communities can tell project developers what benefits they
- 16 seek, and what benefits they need. And one priority outcome
- of community benefits plans is actually enforceable and
- 18 transparent community benefits agreements, good neighbor
- 19 agreements. These are the gold standard for development.
- 20 And similar agreements that memorialize benefits
- 21 that will bring actual transformation to community. And so,
- 22 in closing making meaningful progress on energy justice
- 23 means that we have to fundamentally rethink how we work with
- 24 and prioritize communities who should actually be at the
- 25 front of the line for receiving clean energy benefits.

Page 26 Meaningful community engagement must be 2 prioritized. Meaningful community engagement means going to 3 communities where they are, rather than asking communities to come to us. It also means engaging communities at every single step of the project development cycle. We must make it easier for communities to engage with regulatory and 7 project related proceedings by providing resources that support those to participate. Community members are the only participants in 10 the entire permitting process who are not routinely 11 compensated for their participation, for their time, for 12 their efforts. So it's on us to find pathways to account 13 for their unique expertise, and regulatory and related 14 proceedings. This can help to build their capacity and 15 lead to true procedural justice. 16 So ultimately, environmental justice, energy 17 justice, and equity will only come to fruition if there is 18 an intentional consideration of procedural justice, 19 distributive justice, recognition justice, restorative 20 justice at every single step of the project process. If 21 infrastructure planning and proceedings maintain the status 22 quo, and I don't think anyone here is here to maintain the 23 status quo, they will continue to give the results that lead to inequities. 24

25

As Commissioner Clements noted, we have a mighty

- charge, and a historic opportunity before us. Our energy
- 2 landscape will soon be transformed in the name of tackling
- 3 the climate crisis. Equity must be intentionally considered
- 4 at each stage of the project process from conception to
- 5 implementation, only then do we have a start to include
- 6 those who have been left behind in the past, so I look
- 7 forward to the discussion today. Thank you for the time.
- MR. VAZQUEZ-GUEMAREZ: Thank you Ms. Baker.
- 9 Next we're going to have Commissioner Houck, from the
- 10 California Public Utilities Commission, who is participating
- 11 virtually today. Please go ahead Commissioner Houck.
- 12 COMMISSIONER HOUCK: Thank you Felix and good
- morning. I hope that you can hear me.
- MR. VAZQUEZ-GUEMAREZ: Yes we can. Thank you.
- 15 COMMISSIONER HOUCK: Great, thank you. I want to
- 16 thank the Federal Energy Regulatory Commission, Chair
- 17 Phillips, and the organizations of the panel for including
- 18 me in this important event. And as stated, I'm Commissioner
- 19 Darcie Houck with the California Public Utilities
- 20 Commission, one of the Commissioners appointed by the
- 21 Governor.
- I was appointed by Governor Gavin Newsom to my
- 23 position in February of 2021. Actions that address concerns
- of environmental justice communities and respectful
- 25 engagement with tribes that demonstrate government to

- 1 government relations in respect for sovereignty are
- 2 extremely important to me, and our primary goals that I have
- 3 been looking at how our policies are both developed and
- 4 implemented at the Commission.
- 5 I'm the lead Commissioner on a number of
- 6 proceedings with the California Public Utilities Commission
- 7 where equity is at the forefront. These include our
- 8 affordability proceedings, our disconnections proceedings,
- 9 our DER proceeding, which looks at distribution grid
- 10 planning, our DER customer programs proceeding, and tribal
- OAR and programs looking at decarbonization efforts.
- 12 As we're looking to transition to a clean energy
- 13 future in California we need to think and rethink how we do
- things, how we engage with communities, ensure that
- 15 vulnerable communities, tribal communities, environmental
- 16 justice communities have a meaningful seat at the table and
- our processes, are heard by decision makers and key staff at
- 18 frame issues, and not left behind as they make
- 19 determinations.
- We need to recognize that projects have impacts
- on communities, and disadvantaged communities bear a
- 22 disproportionate burden in ensuring the nation's energy
- 23 needs are met. We need to embed equity into our processes,
- which may mean rethinking how we do things today.
- The discussion on the panel and responses to the

- questions, I would like to address the California Public
- Utility Commission's efforts in developing such policies,
- 3 and the practices that promote equity and environmental
- 4 justice. Our engagement and consultation with tribal
- 5 governments, engagement with community based organizations,
- 6 and hope to provide some context to not just what we're
- doing, but how we're working to implement these efforts.
- 8 And some of these efforts include the current
- 9 rulemaking that's looking at a tribal land transfer policy
- 10 and a tribal consultation policy. The option of our
- 11 environmental and social justice action plan. Last year the
- 12 legislature allocated 30 million dollars in funding to be
- 13 distributed in grants that are intended to increase the
- 14 tribal and community based organization participation at
- proceedings.
- And then we have a number of advisory groups and
- 17 active efforts to engage with communities across the state
- 18 on environmental justice issues, and so I look forward to
- 19 the discussion. My colleagues on the panel today and
- 20 engaging on this Commissioners, on these really important
- issues, and again thank you for including me on today's
- panel.
- MR. VAZQUEZ-GUEMAREZ: Thank you very much
- 24 Commissioner Houck. We now have Mr. Ben Jealous, the
- 25 Executive Director of the Sierra Club. Go ahead please Mr.

- 1 Jealous.
- MR. JEALOUS: Oh sure, thank you. Thank you
- 3 Chairman Phillips, thank you Commissioner Clements, thank
- 4 you Commissioner Christie. Thank you to the dedicated FERC
- 5 staff for convening this panel to discuss the vitally
- 6 important issue of environmental justice, inequity and
- ⁷ infrastructure permitting.
- 8 I'm encouraged that FERC is taking the
- 9 opportunity to have what I hope is an open and productive
- dialogue that leads to meaningful action. I must say part
- of the remarks for a second, I think the engineering and
- 12 economic two E's, are at least one E short. My family has
- 13 been in Virginia for 400 years.
- We said there aren't any slaves in the state
- 15 through that with Thomas Jefferson and General Lee, and the
- economics of Virginia. Reprimand is cheap, it has a lot to
- do with the worst history of the state.
- I'm encouraged that FERC still took this
- 19 opportunity as I said. I'm glad to see the audience, so
- 20 many environmental justice leaders from communities in
- 21 Freeport, Texas, southwest Louisiana, West Virginia, and
- 22 around the country, taking time to come to D.C. to make
- their voices heard, even if they weren't given official
- 24 speaking slots.
- 25 First, decisions to permit pipelines. An LNG

- facility is an often felt most heavily by low-income
- environmental justice communities. I will say we fixed it
- 3 with approval. The United States has become the world's top
- 4 exporter of LNG, and 20 additional projects have been
- 5 proposed. Yet FERC has never once denied permits for gas
- 6 projects on any of the 30 environmental justice grounds.
- 7 In Brownsville, Texas, a rural south Texas
- 8 community that is 94 percent Hispanic, and Latino, there are
- 9 two proposed gas export facilities as well as a parking lot.
- 10 If these projects are built they will desecrate sites sacred
- 11 to the Carrizo Comecrudo Tribe of Texas, including the
- 12 burial site of Garcia Pasture.
- 13 It will harm fishing, shrimping, and eco-tourism
- 14 industries in the area. Reissuing --
- MS. GILJOHANN: Pardon the interruption. This is
- 16 Catherine Giljohann from the Office of General Counsel. I
- 17 think we're getting close to details on contested
- 18 proceedings.
- MR. JEALOUS: Got you. Okay. Yes ma'am.
- MS. GILJOHANN: Thank you.
- 21 MR. JEALOUS: Absolutely. The issue well -- what
- 22 I'm saying is that it shouldn't take a federal court to send
- 23 something back to this Commission when the review process
- 24 was incomplete to start with. This Commission has that
- 25 power to make sure those review processes are complete.

- We are here to urge FERC to use the power they
- 2 have to conduct the necessary environmental justice review.
- 3 Because failure to do so means frankly, that communities get
- 4 poisoned. This is why we need today's Roundtable to result
- 5 in changes that lead to benefit environmental justice
- 6 communities. Environmental justice impacts must be
- 7 addressed on the front end.
- The guidance document that comes out of
- 9 Roundtable needs to be more than just words on paper. It
- needs to be used as a basis to deny permit for projects
- where there's specific evidence that projects will have
- 12 significant harm to communities that are already
- 13 overburdened. When there is sufficient evidence, in other
- words of 30 environmental justice harms.
- 15 Sierra Club is counting on FERC to take action
- 16 based on what they have heard from frontline and fence line
- 17 community leaders. And this means making decisions based on
- 18 what they hear and learn, including denying permits for
- 19 projects that harm communities, pollutes the air they
- 20 breathe, poisons the water they drink, and as we saw on a
- 21 road in Houston it even makes children's fields and
- 22 playgrounds toxic. Thank you.
- MR. VAZQUEZ-GUEMAREZ: Thank you Mr. Jealous.
- Next we have Ms. Dana Johnson from WE ACT, where she serves
- 25 as the Senior Director of Strategy and Federal Policy. Go

- 1 ahead Ms. Johnson.
- MS. JOHNSON: Thank you so much. Thank you Chair
- 3 Phillips, thank you to the Commission, and everyone who has
- been a part of convening this important conversation today.
- 5 WE ACT for Environmental Justice is a northern Manhattan
- 6 based member organization whose mission is to build health
- 7 communities.
- 8 We do this by assuring that people of color and
- 9 of low-income lead, and creating sound and fair
- environmental health, protection, policies and practices.
- 11 At WE ACT in our federal policy office we also serve as the
- 12 anchor for a network of environmental justice org's, called
- 13 the Environmental Justice Leadership Forum. It's about 22
- 14 -- I'm sorry, 50 organizations representing 22 states across
- 15 the country, and we really work to ensure that they're
- 16 interests are represented in federal policy and practice
- 17 decisions.
- 18 So in thinking about today's conversation we
- 19 spent a little bit of time going back to the basics. We
- 20 went back to 1991, the first people of color environmental
- 21 leadership summit, which was held here in Washington, D.C.,
- 22 and at that summit delegates from around the world developed
- 23 a framework that we think immortalizes the modern
- 24 environmental justice movement. They are the 17 principles
- of environmental justice, and we thought that they would be

- important in supporting you in understanding how to fully
- integrate environmental justice and equity into the
- 3 considerations that you make in your work.
- 4 Today, I want to offer our principles 3, 6 and 7
- 5 to support in answering that question. So the first is
- 6 principle 3, environmental justice mandates that the right
- 7 to ethnical balanced and responsible uses of land, and
- 8 renewable resources are done in the interest of a
- 9 sustainable planet for humans and other living things.
- 10 Our country is embarking on the largest
- infrastructure build out at least in most of our lifetimes,
- 12 and I would say nearly a century And this Commission, FERC
- 13 will play an important role in that buildout. And I also
- 14 want to take a little bit of divergence from my notes to
- 15 just respond to the fact that where facilities are located
- 16 in this country is based on race and its based on political
- 17 will.
- And the least cost impact for us means
- 19 disproportionate impact. There is bias in our land use
- 20 policies, our economic policies, our energy policies, and
- they're redlining. You know, redlining was an economic
- 22 policy, and people who lived in the area that was deemed to
- be a poor, financial risk, economics found bias.
- And so, when we look at our energy policies, when
- 25 we look at decisions, I would assert that communities have

- been redlined into sacrifice zones in this nation for our
- energy economy. And you have the opportunity to ensure that
- 3 that's not the case as we continue to buildout our energy
- 4 economy as it evolves, as we pursue energy pathways as a
- 5 part of our clean energy transition.
- 6 The second principle that I want to offer up is
- 7 that environmental justice demands that we stop the
- 8 production of toxins and the demands that all past and
- 9 current polluters be held accountable. And as Mr. Jealous
- offered up, I also want to offer that this body must stop
- 11 rubber stamping fossil fuel infrastructure as a matter of
- defending environmental justice
- To date, the Commission has never rejected a
- 14 project on environmental justice grounds. It is confounding
- 15 to us that these projects continue to be rubber stamped,
- 16 even when we acknowledge the devastating impacts to
- 17 frontline, fence line, and environmental justice
- 18 communities, as well as consider the climate emergency that
- 19 we find ourselves in.
- 20 We are asking you to seriously consider EJ and
- 21 climate impacts by incorporating greenhouse gas emission
- 22 impacts when approving applications for LNG terminals, and
- interstate -- I'm sorry, interstate transport facilities.
- We're also asking you to not rely on industry assessments of
- 25 need.

Page 36 FERC adopted a certificate policy statement which 2 recognizes that approvals should not be based solely on 3 precedent agreements. However, you continue to give too much weight to industry assessments of need without adequate consideration of climate, health, environmental justice and other factors. FERC has also granted certificates of 7 convenience and necessity that empowers industry to acquire property rights necessary to construct and operate its projects by use of eminent domain if it cannot reach an 10 agreement with landowners. 11 This has led to countless abuses as companies 12 permanently seize and alter the landscape with no assurance 13 that a project will actually be built. Again, the final 14 principle that I would like to offer up to you is principle 15 7, and that is environmental justice demands the right to 16 participate as equal partners at every level of decision 17 making, including needs assessment, planning, 18 implementation, enforcement, and evaluation. 19 It is important that moments like this one we are 20 in today don't become a stand alone opportunity, or a 21 performative act. And I can say in our, you know, 22 individual conversations, when we got together as a movement 23 to figure out how best to come into this space and uplift 24 our concerns, performance was a big part of the

conversation.

25

- 1 The words shared today should not lie dormant
- within the confines of this room, or solely within the
- 3 constraints of a transcript or record. The comments that we
- 4 submit we want to exist as more of a tool that the
- 5 Commission can point to when you are trying to answer the
- question of how do you consider environmental justice in an
- 7 equitable way. I will end my comments there because I'm
- 8 sure I'm beyond three minutes. I look forward to answering
- 9 any questions that you have.
- MR. VAZQUEZ-GUEMAREZ: Thank you very much
- 11 Ms. Johnson. We now have Mr. Paul Lau, CEO and General
- 12 Manager of SMUD. Go ahead please Mr. Lau.
- MR. LAU: Thank you so much Felix. First of all,
- 14 thank you Chairman Phillips, and Commissioner Clements and
- 15 Commissioner Christie, and Commissioner Danly, you know, for
- 16 convening this important Roundtable, and for the invitation
- 17 to participate today. I'm pleased to be here to share
- 18 SMUD's approach to environmental justice, some of the
- 19 lessons we've learned along the way, and some of the success
- we're actually having.
- Now first off, as a community owned
- 22 not-for-profit utility, equity is baked into everything that
- we do. Now, a 2030 zero carbon plan is probably one of the
- 24 most ambitious of any large utility in the U.S., but it's
- 25 not zero carbon along costs. In addition, you know, the

- 1 commitment to affordability and reliability.
- We approach it through an equity lens, to make
- 3 sure that no communities are left behind. Now we realized
- 4 quickly that early engagement with under resourced
- 5 communities would be critical, as would be trust. So
- 6 fortunately, we had a strong foundation with all the
- 7 community work we've done over the years, and our most
- 8 recent creation of SMUD sustainable community program in
- 9 2018.
- Now recently SMUD created a resource priority map
- 11 that allows us to zone in on those most in need based on a
- variety of factors like income, housing, education,
- employment and more. And though we designed a community
- 14 impact plan to maximize our resource and the impact and
- 15 effectiveness of those programs.
- 16 With the knowledge that under resourced
- 17 communities are most impacted by climate change, at least
- 18 able to invest in things like electric vehicles and rooftop.
- 19 So we held many listening sessions with the community. We
- 20 asked them to tell us what's needed to see in the plan to
- 21 ensure participation.
- So to recap, we identified the most vulnerable
- customers. We listened to what they need, and then we
- create a plan based on those inputs. Now this included
- 25 affordable clean energy options, accessible programs, and

- 1 culturally relevant outreach in the community. It also
- included simplified messaging with a focus on community. We
- 3 meet them where they're at.
- 4 Now the process we follow in that commitment to
- 5 environmental justice is SMUD. I would like to share an
- 6 example that showcased how our clean energy project has been
- 7 better executed by using this method. There were two solar
- 8 and battery projects that we worked on over the last couple
- 9 of years. In the first project we did not conduct 30
- 10 outreach to impacted stakeholders because it was being
- developed by a third party.
- 12 As a result, we did not get a good understanding
- of the potential environment of the environmental or tribal
- 14 challenges that the project would encounter. Now this
- 15 resulted in project delays, and could have been mitigated if
- 16 we addressed those concerns during the planning stage of the
- 17 project.
- Now a key insight here is that while engaging
- 19 with EJ community it part of SMUD's DNA. Translating that
- 20 to a commitment to third parties that we're working with is
- 21 critical to a project's success. Whether or not it's our
- 22 project or not, we must set EJ occasions with all our
- 23 partners right at the very beginning.
- On the following projects we proactively engaged
- 25 community in the front end, then we integrated those inputs

Page 40 as part of required project criteria for the developers to cover things like cultural resources, trees, and other EJ 3 related issues that we experienced in the first project, and this adjustment really helped us experience, you know, helped us address any issues early in the project, which made the developmental path much more straightforward. So again, thank you Chairman and Commissioners, 8 for this opportunity to share how SMUD is realizing its commitment to environmental justice by collaborating 10 directly with the communities who needs it most, and we 11 really invite you and all the Commissioners, to come to 12 Sacramento, so we can actually show you what it looks like 13 live and in person. So again, thank you again for the 14 opportunity to participate in this very important workshop. 15 MR. VAZQUEZ-GUEMAREZ: Thank you very much Mr. We now have Julie Nelson from Cheniere, where she 16 17 serves as the Senior Vice President of Policy, Government 18 and Public Affairs. Please go ahead Ms. Nelson. 19 MS. NELSON: Thank you. Thank you for the 20 opportunity to participate today. To produce the hundreds 21 of LNG cargos that we do each year, Cheniere must foster an 22 environment of inclusivity and creativity. Not only where 23 we work, but in the communities where we live. We operate 24 two export terminals on the Gulf Coast, one in Southwest

25

Louisiana, and one in Texas.

Page 41 These facilities represent tens of billions of 2 dollars in investment in long-lived American infrastructure. 3 Underpinned by dozens of long-term contracts that stretch decades. At those sites with expansion projects, either in construction or in development. That is why the Chairman's effort is so important 7 today from our perspective. To encourage not only the 8 continued construction of energy infrastructure, but the building of strong community relationship that span 10 generations, not just permitting periods. 11 As the Commission, applicants and communities 12 strive to think about how to improve the consideration of 13 environmental justice and equity within the Commission 14 processes and proposed projects, I'd like to offer up 15 Cheniere's community approach as one example. 16 First, we identify and assess. We seek to 17 understand the communities that surround our facilities 18 because that's where our people work and live. Each 19 community is unique, with different perspectives, concerns 20 and needs. We learn about our communities through formal 21 and informal engagement. 22 We use environmental justice screening tools to 23 learn if and where community disparities exist, and we 24 create social impact assessments to understand the 25 community's expectations and needs, and we have discussions

- with local leaders and groups.
- 2 After identifying and assessing those
- 3 communities, we move to engagement and meaningful
- 4 participation. When it comes to public engagement, and to
- 5 environmental justice, the central principle continues to be
- 6 reducing barriers to underserved communities. To reduce
- 7 these barriers, Cheniere uses multi-faceted communication
- 8 methods, direct mail, community phone lines, email
- 9 feedback, open houses, public meetings.
- In fact, I've even been in people's homes where
- 11 they gather together community members to hear about our
- 12 projects and ask questions. In Texas, we developed a
- community advisory panel that includes 27 members from
- 14 neighboring 9 communities, and this has promoted a two-way
- dialogue with neighbors, and now we're spearheading a
- 16 regional panel.
- Finally, listening and engaging isn't meaningful
- 18 if there isn't follow through. It's vital to build that
- 19 trust by taking responsive actions where possible. As just
- 20 a few examples, we remediated an old industrial facility
- 21 that had produced and spread red dust in neighborhoods for
- 22 more than 60 years. We responded to air quality concerns
- 23 from the community by funding a local air-monitoring
- 24 station.
- 25 And we contributed tens of millions of dollars to

- upgrade Port Arthur's aging water system. And most
- importantly, we provide jobs for the local community through
- 3 direct hires and apprenticeship programs. We thank the
- 4 Chairman for bringing us all to this conversation, and we
- 5 would encourage continued dialogue in these much needed
- 6 areas.
- 7 We think three areas are important for the
- 8 Commission. Recognize that the communities are unique,
- 9 they're all different, and we look at that through our
- 10 assessment process. Secondly, provide clarity so that
- 11 applicants and communities both can approach engagement with
- 12 the same set of expectations. And lastly, provide an
- 13 essential EJ framework, recognizing that good community
- 14 frameworks already exist for groups like Ipeka, and the
- 15 Equator Principles and others.
- 16 We believe that FERC should consider harmonizing
- 17 and integrating EJ expectations guided by these existing
- 18 frameworks. At Cheniere we believe it's possible to build
- 19 and operate world class infrastructure, support our local
- 20 communities, all while addressing environmental justice
- 21 considerations in historically marginalized and under served
- 22 communities. I look forward to today's discussion. Thank
- 23 you.
- MR. VAZQUEZ-GUEMAREZ: Thank you Ms. Nelson.
- Last, but not least, we have Matthew Tejada, the Deputy

- 1 Assistant Administrator for Environmental Justice at the
- U.S. Environmental Protection Agency. Please go ahead Mr.
- ³ Tejada.
- 4 MR. TEJADA: Thanks Felix, and thanks you all so
- 5 much for having this conversation with us today. I'm glad I
- 6 get to go last. And I don't have prepared remarks. I
- 7 wanted to really respond to some of the things that you all
- 8 offered earlier. And particularly, Commissioner Christie,
- 9 to what you were talking about in terms of meaningful
- 10 engagement.
- It is where environmental justice starts. We
- 12 can't get there if we don't start there. And I was really
- 13 encouraged to hear you talk about our obligation because I
- 14 believe in that too. I believe we and the government have
- 15 an obligation, a responsibility to continue to go much
- 16 further than we ever have before in terms of how we engage
- 17 communities, how we prepare communities to engage with us.
- That's something we're still working on at EPA,
- 19 and we've been doing this for a while now. We've been doing
- 20 it for over 30 years at EPA, and we've come a long way from
- understanding we can't just have a hearing at a fancy hotel
- 22 in downtown on a Wednesday afternoon. We're really putting
- 23 the investment into really providing the capacity and the
- 24 opportunity for communities to engage meaningfully with us,
- 25 and we still have a long way left to go.

- And we look forward to continuing to work with
- 2 FERC and other folks across the federal agency, like
- 3 Department of Energy to blaze that trail, that we still have
- 4 to make that progress on. I do want though, to also
- 5 encourage you all, and especially Commissioner Clements, to
- 6 which you were offering about being weary.
- 7 There's a lot of folks right now who want
- 8 answers. They want to know how to solve the question.
- 9 Right? And hearing that you're weary makes me a little bit
- 10 leery. I'm sorry, that's too cute, because I think a lot of
- 11 folks in equity and justice for a long time they want us to
- 12 provide perfect answers. And as Mr. Jealous was saying, we
- 13 have centuries of information.
- We have centuries of history of racism and
- 15 classism in these United States that have created
- 16 communities that have been disinvested and dumped upon. We
- 17 have lots of data about who's at risk, and about what any
- 18 incremental increase in that pollution or risk, or lack of
- 19 access is potentially going to mean for that community.
- 20 We can't solve those questions down to the
- thousandth of the decimal point yet, but we've got plenty to
- 22 start making better decisions. And we're in a historic
- 23 opportunity right now where we have such clear leadership
- 24 from across the government, not just allowing or encouraging
- us to recognize those histories, and put our hands on the

- 1 really hard work of considering things like cumulative
- impact, and histories of disinvesting and dumping on
- 3 communities.
- We have a mandate to do it right now through
- 5 things like equity executive orders, or Justice 40. We have
- 6 so many opportunities right now to make better decisions.
- 7 But it's really incumbent upon us, and I would call it also
- 8 our obligation that if we're going to really make that
- 9 engagement meaningful, we have to start having the bravery,
- 10 and that goes to everyone.
- Felix, you and your colleagues, and Conrad, you
- 12 and your colleagues, and leadership, and Commissioners and
- 13 appointees across the federal government to have the bravery
- 14 to make better decisions. And even when we don't to own up
- to the fact that any of our engagement is not meaningful if
- 16 we're not willing to stand behind the decisions we make and
- 17 say hey, we heard you about this plan.
- We heard you about this permit. We're deciding
- 19 something else and here's why. Right? To actually put in
- 20 our decisions what we've heard, what we've analyzed, what
- 21 we've decided, and good, bad or ugly, to explain the
- 22 decisions we make. And that's again, something we're still
- 23 struggling with at EPA.
- I've had a lot of conversations with my
- 25 colleagues at EPA about decisions we're still making. And

- we need to start being transparent and accountable to the
- folks that are in this audience today, and their needs, and
- 3 what they're sharing with us about their realities of being
- 4 the current generation, following generations of the
- 5 predecessors in these communities that have been targeted in
- 6 the past, even if perhaps they're not being targeted today,
- 7 they have been for a long time.
- 8 And we owe it to them to make those better
- ⁹ decisions. Thank you.
- MR. VAZQUEZ-GUEMAREZ: Thank you very much Mr.
- 11 Tejada, and thanks to all the panelists for their opening
- 12 remarks. We will now begin the question and answer session.
- 13 To answer a question please turn your name tent like so, see
- 14 if this works, and please turn your microphone on when
- you're called.
- 16 For our virtual panelists, Commissioner Houck, if
- 17 you would like to answer a question please use the Zoom
- 18 raise hand button, and the Chairman and the Commissioners
- 19 will take turns asking questions, roughly two to three
- 20 questions per round. And with any time remaining Commission
- 21 staff may also ask a few questions. I will now turn it over
- 22 to Chairman Phillips to start the question and answer
- portion of this panel.
- 24 CHAIRMAN PHILLIPS: Thank you Felix. Thank you
- 25 to all the panelists for your honest and I believe very

- sincere input and feedback between the Commission. We are
- here to learn from you, and so I have a couple questions for
- 3 the panel. One of the things that I think we've heard a lot
- 4 about today is community engagement, development, making
- sure that we bring the necessary tools to the community that
- 6 are impacted by decisions that we make.
- One of the things that I heard all the time when
- 8 I meet with stakeholders is that there's a gap. And I think
- 9 we want to know how can we better engage the community? How
- 10 can we identify community leaders, so that we can have the
- 11 conversations that need to be had?
- And so, I'm going to open this up to the panel.
- 13 What advice would you have for stakeholders, for companies
- 14 that are having applications for the Commission on how
- 15 specifically to engage environmental justice communities?
- 16 Mr. Jealous, I'll start with you.
- MR. JEALOUS: You know it's important that folks
- 18 listen, and then listen again. You know, when there's a
- 19 project that's going to come into communities, really
- working with environmental justice communities on routes, to
- 21 figure out just how to avoid stuff that people have a
- 22 conversation in the beginning we can avoid.
- It's important to get early input in the process
- 24 to go there and start those conversations. And having --
- 25 personally having launched NAACP's climate justice program

- 1 15 years ago, it's also important to just use common sense
- about who in the community is aware of what the impacts have
- 3 been. It's not always in the environmental group. It could
- 4 be church leaders.
- 5 Again it's also I think coming there, and when
- 6 you're listening and demonstrating that you understand, and
- 7 the things that may make one route cheaper than another
- 8 often reflect again not just discrimination based on race,
- 9 but discrimination based on income status.
- 10 Classes in this country is real. And honestly,
- 11 environmental justice communities have worked, you know,
- 12 tend to well come from the same communities that most of our
- 13 enemies come from, which is where people -- 95 percent of
- 14 folks couldn't afford a lawyer if they wanted to on a good
- 15 day.
- You know, and so that is a factor here. And so I
- just think that you're showing up, listening, engaging
- 18 people, and being willing to change routes and deny projects
- 19 because we don't want to continue to overburden the
- 20 communities that historically have gotten all the poison in
- 21 this situation. It's just the right thing to do. It's
- 22 common sense.
- 23 CHAIRMAN PHILLIPS: I saw cards come up on my
- left. We'll go on this end, and we'll go.
- MR. VAZQUEZ-GUEMAREZ: Mr. Tejada?

Page 50 Thank you. And that's a great MR. TEJADA: 2 question. It's something we struggle -- again, we still 3 work a lot on at EPA. And some of the things we've learned, and first of all just having an EJ office. Having a public 5 engagement office are great, right? Because again as Mr. Jealous was saying, you can't show up to an engagement 7 community when you need to. If you've done that, like we 8 need to go do some public engagement because there's a project up there, you've started with failure, right? 10 You have to get out there ahead of time. You 11 have to develop relationships. You have to be invested in 12 that work, and all of us, private industry, public agencies, 13 until we accept the fact that investing in engagement and 14 equity and justice, is going to take the same degree of 15 commitment as we do as paying for lawyers and legal shops 16 and engineering and science shops. 17 We're not going to get there. It's going to take 18 that much for us to really do it right. And it's also going 19 to take us to do some things that frankly are going to make 20 all of our lawyers pucker up, which is we're going to have 21 to get out there and provide money to the folks to challenge 22 the government. And that's okay, right? 23 We're about to do at EPA with a lot of Inflation 24 Reduction Act funding, and our baseline appropriations that

25

we've been receiving, and a lot of folks are really

- challenged by the fact that you know, if communities get a
- grant, and they start getting smart, and they get their own
- monitors, are they going to come back at us about the
- 4 decisions we're going to make on IPM?
- 5 That's what's going to happen, right? And that's
- 6 okay because this is the United States, and we should be
- 7 open to citizens challenging the government to make better
- 8 decisions, and to understand the reality that they're living
- 9 in their communities. It's going to take us doing things
- 10 like actually going out when we do have hearings, and we've
- 11 established some relationships and doing some proactive
- 12 training of that community. Say hey, and we do this at EPA.
- 13 This is one of the things that we're really proud of.
- 14 Here's the Clean Air Act, right? You all are
- 15 about to have some permits come into your community, or
- 16 there's going to be a CIP or whatever else right? Let's get
- 17 your community trained up on what the Clean Air Act is. We
- did this in Port Arthur a few years ago.
- 19 And we sit down with the community leaders, and
- 20 we say hey, we're going to come for a few days. We're going
- 21 to hold a training how do you all want to do it? Who are
- 22 some of the trusted voices that we can bring to this
- 23 training that your community members will listen to? Here's
- what this permit is going to mean. Here's how you intersect
- with this permitting process.

Page 52 Here's we're going to do a mock hearing, so that 2 you all can practice your three minutes in front of the mic. 3 Here's the things that are really going to impact those lawyers and engineers that are sitting there at the table. Here's the things that they need to hear from you in order to make a better decision, right? That's something that it 7 shouldn't take a lot of bravery, but it still does. And it takes us in the leadership position to make sure our lawyers and our other folks understand that 10 it's okay to do that. Right? It's not illegal, it's not 11 unethical, it's actually practicing equity injustice in real 12 time to be able to step out there and do things that we 13 haven't done before. 14 MR. VAZQUEZ-GUEMAREZ: Ms. Nelson? 15 MS. NELSON: Thank you. I think that when you 16 look at what FERC can do in this area is that you have the 17 Office of Participation which is essentially a good start. 18 And therein having that framework. And if you look at how 19 do you broaden that outreach to the community, in the 20 prefiling process there needs to be more or less framework 21 there that asking those questions about who are those 22 community members. 23 I think that from a company perspective, and when 24 you look at the community we realize that those community

25

leaders are not just officials in communities that then

- 1 voted in and are leading as mayors, county commissioners,
- 2 and city council members.
- That we look to those communities as they exist
- 4 in situ, and those community leaders might be the
- 5 neighborhood pastor, or a church leader, or at the school
- 6 superintendent who effectively might be a mayor if she was
- 7 elected, but she's really that person in the neighborhood
- 8 that the people go to to ask questions.
- 9 So, I think in the prefiling process there could
- 10 be a place there to have those better discussions with the
- permittees, and make sure that we're looking at the right
- people, we're talking to the right people. We feel like
- 13 we've been in the communities a long time, and know those
- 14 communities, but having those discussions back and forth can
- 15 help us learn, and maybe there are things that we're missing
- 16 that we do think that that's a good place for OPP to step
- 17 in.
- 18 Also, we think that FERC should ensure that
- 19 they're hearing from the members of those communities that
- 20 live there. Often times we see people come in from other
- 21 places, or outside the state, or from a national level, and
- 22 really we need to make sure that we focus on those
- 23 communities that are there, and hearing those voices.
- So I think that and again to say OPP interning a
- 25 little bit more robust conversation in the prefiling process

- 1 probably would be a good start.
- MR. VAZQUEZ-GUEMAREZ: Ms. Johnson.
- MS. JOHNSON: Thank you. So I have to admit Mr.
- Chairman, I am always challenged by this question because I
- 5 think it is just a basic acknowledgement of folk's humanity,
- and if one would do that then meaningful engagement will
- 7 occur. That said, I think that I would agree with Ms.
- 8 Nelson that a robust framework for project sponsors to
- 9 follow when it comes to community engagement is vital, it's
- needed.
- And I also think that that process should include
- 12 a recognition that if folks on the ground say no, that they
- don't want a project, or they don't want an expansion of a
- 14 project, that that should also be honored and be respected.
- 15 And to the point that Mr. Tejada made, before you even get
- 16 your project planning tools out those conversations need to
- 17 happen as opposed to when you have everything designed and
- 18 asking people to buy in to your vision.
- 19 That said, we put together an issue brief that
- 20 provides some quiding principles for how best to do
- 21 community engagement. The first being as is noted, identify
- 22 all communities that can be directly or indirectly affected
- 23 by a project proposal before it begins.
- Accounting for communities that will be impacted
- 25 by cumulative impacts, geographic proximity, economic

- 1 interconnectedness, disruption of existing social
- 2 structures, et cetera. We're asking that folks go beyond
- 3 the minimum requirements of legislation and establish a
- 4 cohesive framework for stakeholder engagement.
- 5 That we call first, early and ongoing engagement,
- and have some recommendations for how that can be done. And
- 7 then we talked about making every effort to maximize
- 8 community participation. So as Ms. Baker noted earlier,
- 9 providing financial resources for people to provide
- 10 expertise that might be different from the way that this
- 11 body receives expertise.
- 12 Create easy and accessible methods for EJ groups,
- 13 community members, to get together and discuss a project and
- 14 a policy. Identify pro bono resources, as was mentioned
- 15 earlier. Distribute technical training, orientation
- 16 materials et cetera, before projects get off the ground, and
- we are happy to share this for incorporation in to go to the
- 18 record.
- 19 MR. VAZQUEZ-GUEMAREZ: Thank you Ms. Johnson.
- 20 Ms. Baker, and then we'll go to Commissioner Hough virtual,
- 21 and lastly, Mr. Lau. Thank you.
- MS. BAKER: Thank you so much. And thank you
- 23 Commissioner for the question. I think what everyone has
- 24 said, you know, I would echo and underscore. But I would
- 25 also just kind of add a plus one to the idea that the

- 1 federal government has incredible and remarkable convening
- 2 power.
- And so, your question was really framed through
- the lens of the private sector which does have the duty to
- 5 engage communities of course. But there is something
- 6 special about the feds going into a community and sort of
- 7 creating space for engagement, and creating space where we
- 8 have the private sector at the same table.
- We have local leaders, we have elected at the
- same table alongside communities, talking about, and talking
- 11 through the issues. We know that no community is a monolith
- 12 right? And there are so many adverse voices within
- 13 communities. I'm sure in every community you'll find
- 14 someone who will raise their hand and say I'm fully in
- support of this.
- Across the street you'll find someone who isn't.
- 17 So this is work that takes a long time, and it does have to
- 18 happen well before a project, you know, is even getting the
- 19 funding, getting the financing in line, so that's too late
- 20 for this type of engagement. But that said, I do want to
- 21 shine a light on our own capacity as a federal family to
- 22 support this overall work.
- The seriousness of this effort, the synergy and
- 24 environmental justice effort will be measured by the
- 25 capacity in the office that's executing it. The seriousness

- of this effort will be measured by the size and scale of the
- office itself. So if you have a small team working on this,
- 3 again they can't be everywhere at once, and so that capacity
- has to be built or else the team will suffer, the staff will
- 5 suffer, and you're actually not going to be able to meet
- 6 your goals on this issue.
- 7 So, I wanted to just kind of shine a light on us
- 8 a little bit. I know I also lead an office that was created
- 9 in 1978, that until two years ago had a skeleton crew. We
- 10 can't do the work that we're supposed to be doing with that
- 11 sort of capacity, so in there I know there are a lot of
- 12 questions probably out there.
- MR. VAZQUEZ-GUEMAREZ: Thank you Ms. Baker.
- 14 Commissioner Houck?
- 15 COMMISSIONER HOUCK: Thank you. And I also
- 16 underscore a lot of what has been said by the panelists, and
- 17 particularly Shalanda Baker's last comment about what we as
- 18 government entities and decision makers need to be looking
- 19 at. I think it's good and we need to be encouraging
- 20 applicants for industry, to be out there and working with
- 21 the community.
- We also have to look at both internal and
- 23 external capacity and how we're going to implement the
- 24 policies we're putting together. And Commissioner Clements
- 25 pointed to how we move to action, and that's difficult given

- the biases and the inherent rate any of our processes are
- 2 put together, in looking at, you know, how applications are
- 3 filed.
- 4 In FERC like the California Public Utilities
- 5 Commission, has an adjudicatory process which is not always
- 6 easy for communities to participate in. And if we don't
- 7 have any office and capacity to go out and engage with
- 8 communities, it's going to be very difficult for them to
- 9 participate. We at the California Public Utilities
- 10 Commission have an energy compensation program, but you
- don't get paid until a decision has been issued, which is
- 12 typically the months or years after a proceeding is opened.
- 13 And for communities with limited resources that
- 14 can be very difficult, especially when our rules are very
- 15 strict and kind of appear before the Commission, potentially
- 16 have witnesses, and these things are difficult to maneuver
- 17 without an office that can provide adequate support and
- 18 engage with the community. It can be difficult to get to
- 19 the ample participation.
- I know we had a proceeding at the Commission, the
- 21 San Joaquin Valley proceeding where the Commission went out
- 22 to various communities in the San Joaquin Valley, many of
- whom English was a second language. Conducted workshops,
- 24 met with communities, held the workshops in Spanish with
- 25 English translation in some cases, and really engaged

- 1 towards the communities.
- It was a lot of time, a lot of effort and a lot
- 3 of resources, but the Commission learned a lot. I think the
- 4 participants in the communities were able to participate in
- way that is not typical of how the Commission functions.
- And so I think we need to look about how we, as
- 7 decision makers and organizations, can better engage with
- 8 communities to understand the impacts that they're
- 9 addressing. And I think as other panelists said, when we're
- 10 looking at our record and the information we're getting, how
- 11 to ensure we're getting equal and adequate weight to
- 12 community members, elders, particularly tribal elders in the
- 13 area of traditional ecological knowledge that they have
- 14 generations of knowledge passed down, and know their
- 15 landscapes better than anybody.
- And often there's a bias in our system not to
- 17 give those people their fair credit. And so, I think we've
- 18 got a lot of work to do, but we do develop capacity both
- 19 internally as well as with any communities that work with
- 20 you and so that they have the resources to adequate
- 21 participate in what they deem difficult and challenging
- 22 processes from a procedural perspective.
- MR. VAZQUEZ-GUEMAREZ: Thank you Commissioner
- 24 Houck. Mr. Lau?
- MR. LAU: Yes. So I couldn't agree more with

- what the fellow panelists have actually talked about, but
- there's one comment I want to specifically talk about. I
- 3 think FERC, you know, they play a great role as a great
- 4 convenor to making sure some of stuff that Commissioner
- 5 Christie has talked about to make sure that all of the
- 6 stakeholders are actually notified, and they're informed
- 7 about the issue itself, but most importantly it's really
- 8 about investing, you know, in those communities, developing
- 9 those long-term relationship, encouraging those.
- So it's like SMUD's example, just for the fact
- 11 that you know when we started this, what we called
- 12 sustainable community, really, really getting, engaging the
- 13 EJ communities and all those other communities, and all the
- 14 organizations that serves them, like the faith based
- organizations, the work training organizations. We really
- 16 realize that there's a tremendous need to increase the
- 17 spending.
- So we actually quadrupled our spending in the
- 19 last five years. More than 3 million dollars a year to
- 20 almost 16 million dollars a year now to help those
- organizations, to help those communities to participate, to
- 22 really have a voice. And so we actually invested to help
- them build capacity, exactly what Ms. Tejada has actually
- talked about in terms of that we really need to be, you
- know, we really have the courage to say you know what we

- need to engage them.
- We need to really hear what the challenges are to
- 3 participate and put the resource to bear, so that they can
- actually have full participation, and be at the table. And
- so, I think that's really the -- I think that's one thing
- 6 that I think FERC Commissioners can do, and as a regulatory
- body is actually how do you put the framework together and
- 8 making sure that the resource is available to engage those
- 9 EJ communities, and give those EJ communities the resource
- they need to participate. Thank you.
- 11 CHAIRMAN PHILLIPS: That's a perfect seque. I
- 12 have a quick follow-up question. I want to make sure my
- 13 colleagues have the opportunity to ask questions as well.
- 14 So we talked about investing and participating. We've
- 15 talked about community benefits, programs in the past. I'd
- love to hear from you all.
- 17 Like one of the things that I hear all the time
- 18 is what types of community investment? What types of
- 19 benefits? I guess the most important thing is trying to
- 20 avoid impacts. If you can't avoid impacts in EJ
- 21 communities, sometimes, as Commissioner Christie said, you
- 22 may need to mitigate those impacts.
- So can we talk just briefly about what types of
- 24 benefits work best?
- 25 MR. LAU: I think the benefit, at least what we

- hear from our community works best is how do you actually
- incorporate the inclusive workforce development, and
- 3 inclusive economic development as part of the transition to
- 4 this clean energy future that we're talking about.
- 5 So it's really about how do you
- 6 actually make sure that those people from their underserved
- 7 communities have access to those jobs that will be coming up
- 8 with community transitions, the energy efficiency measures,
- 9 you know, the charging stations, the neighborhood
- 10 electrification. How do you make sure that all the work and
- 11 coming down the pike, that you actually have the capacity
- 12 from those training, and I'm going to say local community,
- 13 you know, do the recruitment from the neighborhood to
- 14 attract members from those underserved communities to
- 15 participate in those programs, either in paid internships,
- or mentorships, or apprenticeship programs.
- 17 And make sure that when they finish training they
- actually have a job that they can actually go to. So that's
- 19 really one of the things that we are hearing as we
- 20 transition, you know, and we do this new project. We can
- 21 show that that part is always on top of mind on actually
- 22 people who are working the community, or when the developing
- 23 projects, or making this clean energy transition.
- How do you actually engage those? And what
- 25 actually matters to them the most? And each community is

- different, so you really have to spend the time to talk to
- what those local organizations that are currently embedded
- 3 in serving those communities, and actually finding out from
- 4 them what can we do to actually help them expand those
- 5 services, and then in the meantime they can help us do the
- 6 recruitment, and actually even development new businesses
- 7 that can actually serve those communities. Thank you.
- 8 MR. VAZQUEZ-GUEMAREZ: Thank you Mr. Lau. We'll
- 9 go now to Ms. Baker, then Mr. Tejada, Ms. Johnson, and then
- 10 Ms. Nelson, and then Ben Jealous.
- MS. BAKER: Thank you so much, and I love that
- question because it's something that, you know, I've been
- 13 thinking about for a long time. I would underscore what Mr.
- Lau said about job creation, loading, recruit obviously in a
- 15 community, but there are other benefits that kind of stretch
- 16 our current thinking about how we deliver benefits on the
- 17 ground.
- 18 So just to kind of start with the job space.
- 19 Yes, jobs, but also there are community colleges, there are
- 20 technical colleges and communities, folks who are going to
- 21 be engaging in communities and creating impacts in those
- 22 communities should be also investing in those local
- 23 institutions. There's also cleaner air and cleaner water.
- Mitigation. If we want to talk about coming into
- 25 an already burdened community, how are you making me better

- 1 versus how are you adding accumulative burdens to my
- 2 community? There's also this idea, I mean what is it within
- 3 FERC sort of, under FERC's umbrella is really a
- 4 transmission, and also the citing of major energy
- 5 facilities.
- 6 Imagine being in a community that has a
- 7 transmission line running through it, but that community
- 8 itself has irregular access to energy. Imagine being in a
- 9 community that has a transmission line that will be going
- through it, but your home has no access to power, or has no
- 11 routine access to power. You're relying on kerosene, you're
- 12 relying on 18th Century technology to keep your home lit.
- I mean that's the reality in many communities
- 14 around this country. Many communities that are
- unincorporated as well as our tribal communities. So
- 16 there's an opportunity to provide access, energy access,
- 17 free energy. I mean these are again ideas that are not
- 18 completely out of the box, but you know, I just want to kind
- of push us a little bit on that.
- 20 And then there's also this idea that our European
- 21 counterparts have been experimenting with for decades, and
- 22 that's actual equity ownership stakes in projects and
- 23 facilities. These projects are going to be highly
- 24 profitable for the organizations that are doing them. We
- 25 know we need to transform our energy economy.

Page 65 We know we're going to transform the geography of 2 this country through energy development, but that can't be 3 done unless we actually share in the economic benefits of those projects, so that's one thing that I'd like to put on the board. MR .VAZQUEZ-GUEMAREZ: Thank you Ms. Baker. Mr. 7 Tejada? 8 MR. TEJADA: I hope my energy doesn't sound blue because it's been sincerely, and I'm going to share what I 10 hope, or what I think is the cheat code to environmental 11 justice. Any time you have a question and you want the 12 answer to it, the best place to start is to make sure you're 13 asking a really good question, and then remind yourself that 14 you don't have the answers. The community has the answers. 15 Your job, our job, is to make sure the 16 communities know what question we're asking, and have the 17 ability to answer it for us. And every time we go into one 18 of those instances, we have to understand that even when 19 we've developed, you know, a base of knowledge, and folks 20 have shared a lot of really good things that we should 21 always carry with us, we have to re-ask that question every 22 time. 23 Because the community is the only one that gets 24 to have the answer, and they'll give it to us if we let them

25

do it. So, and that, you know, that's something again, you

- 1 know, I have to remind our folks. I have to remind myself
- 2 sometimes because I start to think I'm pretty smart
- 3 sometimes. But I never have the answers.
- The community always has the answers, and we have
- 5 to go ask them.
- 6 MR. VAZQUEZ-GUEMAREZ: Thank you Mr. Tejada. Ms.
- 7 Johnson?
- MS. JOHNSON: Thank you. I think Mr. Tejada said
- 9 what I was going to say. Environmental justice is such an
- incident movement, it's place based, it's about right of
- 11 life, equality, equity, consent, self-determination is the
- 12 biggest thing, and waving a bunch of money in people's faces
- may not be where it's at.
- 14 You have to ask people on the ground what they
- want, and what we might think is a benefit may not be one to
- 16 them, and be prepared to have that answer come back.
- 17 MR. VASQUEZ-GUEMAREZ: Thank you Ms. Johnson.
- 18 Ms. Nelson?
- MS. NELSON: Ms. Johnson thank you very much for
- 20 that because I think we found that from the industry side as
- 21 well is there used to be a method of we would just, you
- 22 know, hand out checks to, you know, to local non-profits,
- and think we were doing good.
- But we found that as we really invested in our
- communities we've asked that question what are your needs

- and expectations, and certainly jobs is, as Shalanda Baker
- 2 said, that is usually first and foremost. But how do they
- 3 get the jobs? And so, we're trying to make programs where
- 4 we invest in for example, in Lake Charles, we have Big
- 5 Brothers, Big Sisters.
- 6 First Big Brothers, Big Sisters, but we started
- 7 at that's not enough, we have to go down to the Boys and
- 8 Girls Club. So starting the Boys and Girls Club, then Big
- 9 Brothers, Big Sisters, and then making sure that that
- 10 continuity stays into the high school programs, but then
- 11 sometimes you need to help to figure out how they get
- 12 funding to get into the community college programs.
- So, it's about asking the communities, and being
- 14 engaged with those communities in a different way. And
- 15 we've found also through other types of programs, such as
- 16 mentoring programs and that, that the companies need to
- 17 focus on what those communities wants are, and how they feel
- 18 that their community can succeed. And so, in order to get
- 19 those jobs, there has to be a long process.
- 20 So, we're finding that those engagement and
- 21 discussions with the communities about where they feel they
- 22 have doubts, and where we could help them achieve that in
- those communities has been a win/win for both of us. We get
- 24 better employees for the long-term by hiring local, and
- 25 we're helping those people in the community become those

- 1 members in our companies.
- So thank you for that. I mean we do find that
- 3 it's changing, and those questions need to be asked, and we
- 4 are asking those -- trying to ask those questions in the
- 5 community.
- 6 MR. VAZQUEZ-GUEMAREZ: Thank you Ms. Nelson.
- 7 Mr. Jealous?
- MR. JEALOUS: Next week we'll note the
- 9 assassination of Martin Luther King, April 4th every year.
- 10 Dr. King and his wife remarked that overturning Brown,
- 11 ending segregation, have been easier than he thought it
- would be. It occurred to him along the way it didn't cost
- wealthy interest anything.
- It didn't cost them money to stop discriminating
- 15 against us. When he was killed, he was killed in the
- 16 context of a poor peoples campaign. He wasn't just leading
- 17 black folks, he wasn't trying to just desegregate. He was
- 18 trying to get poor white folks, and poor black folks, and
- 19 everybody under the rainbow between together to make all
- 20 their lives better. And he said that that work would be
- 21 harder because wealthy interests would have to consent to
- 22 make a whole lot of money a little slower.
- The greatest subsidies that have build this
- 24 country have been on government's comfort for treating most
- 25 places as disposable, our climate as disposable, and if

- we're honest, not just all people of color as disposable,
- but most white folks too. Most white folks in class. You
- 3 know we've got 8 million black folks, but you've got 16
- 4 million white folks in poverty, and all of them suffer
- 5 because our government only includes the economics as a cost
- 6 to the corporation, or the government entity.
- 7 They don't include the cost of families that are
- 8 bankrupted when their kids are raised in a cancer cluster,
- 9 and then they have to go deal with the cost of cancer, which
- 10 bankrupts most families who get it in this country. They
- don't include the costs born in other roads, the working
- 12 class, and poor folks of every color.
- And what we're saying is you know, Chairman
- 14 Phillips, if I may, most of my cousins live in west
- 15 Baltimore, also an environmental justice community. When
- 16 you're living in those communities you don't have the power
- 17 to stop patterns of injustice that have poisoned working
- 18 people of all colors for centuries in this country.
- 19 Every one of you Commissioners does, and that's
- why respectfully we understand the first two E's,
- 21 Commissioner Christie. We're simply asking you to add a
- 22 third one, environmental justice, because you're empowered
- 23 by democracy and your obligation is to serve all the people,
- 24 and we hope that you will.
- MR. VAZQUEZ-GUEMAREZ: Thank you Mr. Jealous. We

- will now go to Commissioner Houck?
- 2 COMMISSIONER HOUCK: Thank you. I just want to
- 3 underscore what others have said. We need to look to the
- 4 communities to tell us what they want and need, and provide
- 5 space to be able to work what those needs and wants are, as
- 6 well as being willing to think outside of the box on how we
- 7 can accomplish goals to ensure that we get to fair and
- 8 equitable results.
- 9 MR. VAZQUEZ-GUEMAREZ: Thank you Commissioner
- 10 Houck. Mr. Chairman?
- 11 CHAIRMAN PHILLIPS: Commissioner Clements?
- 12 COMMISSIONER CLEMENTS: Thank you. I have two
- 13 questions, and the first one that I'm chewing on is this
- 14 question of the interplay between the private sector and the
- 15 government. To your point Ms. Baker, and everyone loves
- 16 running to hire more people, although everyone is trying to
- and it's hard, but that should be a top priority.
- And also, it doesn't -- it shouldn't take the
- 19 responsibility away from the private sector actor who wants
- 20 to build the infrastructure. And so that's -- there more to
- 21 say to make that more concrete. I welcome more thoughts
- 22 there. And then, the rest of the question is it makes me
- 23 focus on the early part to the practices and engaging with
- 24 communities.
- 25 How early do developers engage with the

- 1 communities? And when does the government functions step
- in, or have awareness around the projects to be able to step
- 3 in? And what are appreciating Mr. Jealous and Ms. Johnson,
- 4 you are not community members, but you might have
- interactions with them to speak to that are here today.
- 6 What have your interactions been in terms of the
- 7 -- because to me if a project is baked and then engagement
- 8 starts, I'm just trying to get to that piece from the role
- 9 of the Commission. And no community member, as you pointed
- 10 out, is the same as impacted by any decision and no
- developers, so I'm not suggesting this is a mono thick
- 12 response.
- MR. JEALOUS: And just to make it plain. If you
- 14 all stop -- if you all start turning down projects on
- 15 environmental justice considerations, the companies will
- 16 start engaging communities quite early. If there is no
- 17 penalty. It is status quo. I cannot underestimate the
- power you all have to choose this equation.
- 19 All of us that have raised children know that
- there's no negative consequence, look for bad behavior, it
- 21 really doesn't change. And that's why we're pushing so hard
- 22 for the 30. And so respectfully from the economics of it,
- once there start to be penalties, and people know that, you
- 24 know, geez if we pre-plan this, if we pre-decide what the
- 25 decision and the outcome must be, and then we engage with

- the community, well we may just get turned down.
- It will send them scurrying to engage people as
- 3 early as possible. Reach out to the parents in this
- 4 equation because we've got a lot of companies that are
- 5 acting like bad children.
- 6 MR. VAZQUEZ-GUEMAREZ: Thank you Mr. Jealous.
- 7 Ms. Baker?
- MS. BAKER: Okay. Remind me never to be on a
- 9 panel following Mr. Jealous. Okay. You know, I think,
- 10 Ma'am thank you so much for the question. You know, the
- 11 sort of under current of a lot of our comments, and I think
- even the conceit of this office that has been set up is how
- do we account for the historical power imbalances, and how
- do we account for history, right?
- 15 And we're trying to account for all of that in
- 16 sort of creating a framework. But let me get more specific
- 17 with respect to your question. I think the answer requires
- 18 really looking at the architecture of FERC, right? We have
- 19 parties who submit filings in order to proceed down a path.
- 20 So, what is the floor that we create within that filing
- 21 infrastructure?
- What can be reopened? What can be sort of
- 23 reconfigured, or reimagined in the filings that we require.
- 24 I can only analogize that to what we've done at the DEO,
- which is to for the first time ever, require these community

- benefits plans. I mean they're not going to -- they're
- 2 radical from the agency, and you know, we'll see how they
- 3 turn out in terms of how that actually hits the ground in
- terms of project development.
- 5 But that's our architecture. That's the tool
- that we have, right? And our funding opportunities we're
- 7 now requiring this. It's 20 percent of every single
- 8 application, so it's real, right? It's sort of
- 9 internalizing, it's requiring the company, the applicant, to
- 10 actually think through how it's going to engage with
- 11 communities.
- 12 If there is something in your process. If there
- is something in the ways in which companies are engaging
- 14 this agency that you can tinker with, that you can dismantle
- 15 and reconstruct in a new way, that's really where your power
- 16 is, in addition to all the decision making authority that
- 17 you have. So, I think that would be my recommendation that
- we sort of think through the requirements.
- 19 How far back in time do we want the applicant to
- 20 actually consider community voices? I mean obviously as
- 21 early as possible, but how do you get that reflected in
- 22 actual filing documents? And then I would make an iterative
- 23 process throughout, so there's a baseline of sort of
- 24 showing, but then there's more in terms of the receipts that
- 25 they have to bring throughout the process.

Page 74 MR. VAZQUEZ-GUEMAREZ: Thank you Ms. Baker. 2 We'll now go to Ms. Nelson, and then Mr. Tejada. 3 MS. NELSON: Great, and to provide the industry perspective you have power as a convener, and I think the power that you have in the filing process is that you have the ability to ask those questions. And the creation of a 7 clear framework about the expectations of FERC are to the -to industry that are putting in their filings, you can provide some push to industry on what we need to do, and if 10 we're doing the right things. 11 And so, I think that you know, yes you have 12 probably throughout the government staffing problems, or you 13 know, never enough staff to do what you want. We feel the 14 same on the industry side, but you know, through that 15 process, and having a clear framework where you can put out 16 your expectations, I think that industry will step up and 17 deliver. 18 And so, I don't know that you need to have, you 19 know, thousands of new people doing this across to help OPP 20 effectuate the expectations that you have, but you certainly 21 any time FERC asks a question, we jump to answer it. think that having some sort of framework with clear 22 23 expectations will help you manage that process in a way that 24 it gets the result that you want without having as many

25

additional employees that you might think that you need at

- this moment right now considering what was said.
- MR. VAZQUEZ-GUEMAREZ: Thank you Ms. Nelson.
- MR. TEJADA: I'm going to respectfully disagree
- 4 with a couple things you said. I think you need thousands
- of employees doing this. And I also want, I mean one of the
- 6 things that makes me nervous as I kind of said before is
- 7 folks want clear expectations. And I get that coming from
- 8 Houston, and I completely value that.
- 9 Business needs clear expectations to make
- business decisions, but it's going to take a minute right?
- We're unwinding centuries of assumptions and policies here.
- 12 It's going to take us a minute to do that. And going back
- 13 to what Mr. Jealous said, it is absolutely about changing
- 14 the map, right?
- And that map is another thing that has developed
- 16 over time to the benefit of some, and the disadvantage of
- others. Very purposely, a lot of folks would argue, and I
- 18 wouldn't disagree with them. We have to change that math,
- 19 and the more that we can really be brave at looking at, you
- 20 know, how do we value impacts on communities, how do we
- 21 value who benefits, and who doesn't benefit from our
- decisions, the more that we could help evolve the math.
- That's already happening. I mean there's more
- 24 people from the private sector reaching out to us every
- 25 single day, wanting to talk about it. I'm sure you all as

- well, and that's great. There's a real opportunity here,
- 2 but we have to be clear we're not going to be able to give,
- 3 you know, satisfying answers right now. But to invite them
- 4 in to helping us figure it out, I think the private industry
- 5 has to be a partner, and I think there's folks that honestly
- 6 want to because they're starting to see those decisions get
- 7 made differently.
- 8 And the more that we can have an honest
- 9 collaboration, or an honest engagement with industry, along
- with impacted communities to help evolve that math, the
- 11 further we will get.
- 12 And the last thing that I would offer, and I'm
- not a lawyer, so if all this is I don't know, I'm just not a
- lawyer, so I'll just leave it there. Going back to Dr.
- 15 King. We are all beholden to evolve the math and make these
- 16 decisions within the bounds of the law. There's a whole
- 17 body of civil rights law that has existed before most of the
- laws we use to implement most of our decisions.
- And we have implemented all our decisions in that
- 20 body of law without really figuring it out does it comport
- 21 with the civil rights laws. And that's going to be a
- 22 challenge. That's going to be an even bigger challenge.
- 23 But if we talk about evolving how we make decisions and
- 24 govern, and changing the math, we've got to figure out how
- 25 those civil rights laws can be upheld with the same level of

- 1 vigor that we uphold our environmental and public health
- 2 protection laws.
- MR. VAZQUEZ-GUEMAREZ: Commissioner Clements?
- COMMISSIONER CLEMENTS: I have one more question,
- 5 but Commissioner Christie, we're going to stop at 11:30, so
- 6 would you like to have a question.
- 7 COMMISSIONER CHRISTIE: I'll wait until you're
- 8 done. Go ahead.
- 9 COMMISSIONER CLEMENTS: Okay. Cumulative
- 10 impacts. In thinking about cumulative impacts, and how that
- 11 translates into the way we're considering them at FERC in
- our decisions, so at a generic level because we have
- 13 proceedings asking these questions.
- 14 When we hear communities are over burdened and
- 15 there's already these other facilities there outside of the
- 16 Commission's jurisdiction in a lot of cases, can you help
- 17 just provide some more perspective on how to think about
- 18 that in the context of both our need determinations, and our
- 19 NEPA analysis?
- MR. VAZQUEZ-GUEMAREZ: Mr. Jealous?
- MR. JEALOUS: Yeah. When you're doing
- 22 environmental justice assessments, in addition to all of the
- 23 qualitative aspects of it, I think it's important for us to
- 24 actually endeavor to quantify the costs that this community
- 25 has already been asked to endure, and how much we're adding

- 1 to that. And in that cost I would include how much do we
- 2 estimate the property values have been suppressed?
- 3 How much do we estimate the financial burden is
- 4 on their families due to the health impacts the past
- 5 decisions have made? And what, you know, and you know how
- 6 much do we estimate something like lead, the road to earning
- 7 potential that children grew up lead poisoned particular to
- 8 that decision for instance.
- 9 We have math. We have centuries of it to Mr.
- 10 Tejada's point. We can make these algorithms. There's very
- smart people in the valley, quite capable. And so, I would
- 12 encourage us to get serious about the quantitative analysis,
- 13 and to really do our best to estimate all of the costs in
- dollar terms everybody could understand.
- 15 It's really only then where we would get close to
- 16 really assessing and being able to talk about the impact
- 17 honestly in a language that every executive understands.
- 18 MR. VAZQUEZ-GUEMAREZ: Thank you. Mr. Tejada,
- 19 then Ms. Johnson.
- MR. TEJADA: Cumulative impacts analysis seems
- 21 like this mysterious thing. It has an incredible launching
- 22 pad in health impact assessments, which are a
- 23 well-established, well researched, scientifically based
- 24 ability to assess for many of the things that Mr. Jealous
- 25 was just talking about. And the newest health impact

- assessments that are being done right now are bringing in
- 2 those histories.
- They're bringing in the social science aspect as
- well, which is necessary. So I would say we have much more
- of a path we can already follow right now by looking at
- 6 where we are with health impact assessments, and continuing
- 7 to evolve those. That's something that we're doing
- 8 seriously at EPA right now. We're investing quite heavily
- 9 and evolving health impact assessments towards that
- 10 cumulative impacts framework and ability to really delve
- 11 into that.
- You can't see them both. We have to be just
- making those investments, but I would invite FERC to really
- 14 look hard, and invite you all to work with us as much as you
- 15 all want to in helping to evolve our ability to take health
- 16 impacts assessments, and take the other data and social
- 17 science streams that can come into buttress that, to really
- 18 help substantiate and inform our decisions.
- 19 MR. VAZQUEZ-GUEMAREZ: Thank you. Ms. Johnson,
- 20 and then back to Commissioner Clements.
- 21 MS. JOHNSON: Thank you. I think to even build
- 22 upon what Matt just shared with us we also support
- 23 identifying pre-existing environmental, social and economic
- 24 stresses in the community, so that you are able to
- 25 contextualize potential impacts and areas of concern that

- should be addressed.
- You know, the EPA screen, the C Just tool, you
- 3 know qualitative focus groups or studies, conversations with
- 4 people, married with health data we think will support you
- 5 in really being able to identify the incremental impact of a
- 6 project. I think determining the specific ways that a
- 7 proposed policy or a project could interact with
- 8 environmental justice issues that are unique to the
- 9 community, so paying particular attention to cumulative
- 10 impacts.
- 11 And as Matt mentioned, the EPA's assessment of
- 12 that is the total burden, positive, neutral or negative, of
- this particular stressor on a community, and using that as a
- 14 determination over a period of time. Look at it in segments
- of time.
- 16 And I think the final thing that I will add to
- 17 that is might not necessarily be cumulative impacts, but if
- 18 you are going to add an environmental justice assessment to
- 19 that, then marrying qualitative with quantitative data
- 20 collection really gives us the best opportunity for being
- 21 able to assess what this project will mean for people on the
- 22 ground. Thank you.
- 23 COMMISSIONER CHRISTIE: Before we go to Mr.
- 24 Tejada I want to ask you a question about your comment we
- 25 need to change the map. When you get into an individual

- 1 permit case. Every permit case comes with its own record.
- It comes with its own unique set of facts, they're not
- 3 identical.
- So, let's talk about transmission line case. You
- 5 get into a transmission line case, and you say alter the
- 6 math. So the factual record shows one route is going to
- 7 cost 100 million. One route is going to cost 200 million.
- 8 What do you mean by change the math?
- I mean that cost is going to flow through to
- 10 consumers. What do you mean by change the math? You've got
- 11 a record that shows two different costs.
- MR. TEJADA: In my experience, I mean I hope
- 13 someone rescues me if I get this wrong. In my experience,
- 14 that math does not consider all of the impacts of that
- 15 project. There will be externalized costs to many of them,
- 16 and we're still not real good at fully capturing the
- 17 societal costs, the health impact costs. Things that are
- 18 really hard to value, like loss of heritage, loss of
- 19 culture, loss of access for indigenous people to think that
- they should still have access to going back generations.
- 21 We don't really put that math in there. I think
- 22 if we start to put that math in, those equations change.
- 23 And that's not necessarily to say that that blows it out of
- 24 the water all these projects, but we need to know what the
- 25 full cost impact of those projects are so we can look at

- things like community benefit agreements.
- We can look at things like mitigation, or
- 3 potentially look at yeah, using the math we use right now in
- 4 ten years we're going to say well that project would have
- 5 been cheaper, but now when we take in the full cost, that
- one that's engineering-wise twice as expensive, it's
- 7 actually cheaper because you don't have all these other
- 8 externalized costs as a result of it.
- 9 COMMISSIONER CHRISTIE: But you agree that
- 10 consumer costs is one of the factors, it factors into what
- 11 you're saying.
- MR. TEJADA: Absolutely.
- 13 COMMISSIONER CHRISTIE: I'm just curious. Has
- 14 EPA been doing any research on health impacts of
- 15 transmission lines?
- MR. TEJADA: Ooh, I'd have to ask our economists.
- 17 I'm sure somebody in there is, but I don't know.
- 18 COMMISSIONER CHRISTIE: There's a lot of groups
- 19 in this town that are going to pucker up if you say, oh
- 20 yeah, they're pretty bad. But since I won't ask you, but
- you agree that the cost impacts, the economic impacts are
- 22 going to be part of the record of the case. And when you
- 23 say change the math, you're not saying changing the factual
- 24 record, you're saying supplement it with additional factors.
- MR. TEJADA: Fill it out.

Page 83 COMMISSIONER CHRISTIE: Yeah, right. MR. TEJADA: Fill it out so we can make informed 3 decisions, and stop externalizing costs without them being part of our decision making upfront and transparently with 5 folks. COMMISSIONER CHRISTIE: Okay. MR. VAZQUEZ-GUEMAREZ: Yes. We have four minutes 8 left. Ms. Johnson, then Mr. Jealous. MS. JOHNSON: Oh, I didn't mean to --10 MR. VAZQUEZ-GUEMAREZ: Okay. Mr. Jealous. 11 COMMISSIONER CHRISTIE: I think Mr. Jealous is 12 going to respond to. 13 MR. JEALOUS: I am. So, that's absolutely part 14 of the equation. What we're saying is not to ignore the 15 other quantifiable costs. And then, you know, we'd be 16 honored and happy to host you to any of our frontline 17 environmental justice communities, and just walk you 18 through. 19 Because you know a community when it's healthy 20 and it works well, it is an economic engine throughout the 21 whole state. And then when you bolden that community, and 22 you carve it out, and you put in you know, asphalt this, and 23 all that, and gas, the community, a town in Mobile that used 24 to thrive. That economic engine is turned off. 25 And that has an impact to everybody in the entire

- state of Alabama, in the entire city of Mobile, and
- 2 especially to the people in that community. And so,
- 3 respectfully Commissioner Christie, what we're saying is in
- 4 the past all that we ever asked is how must will it cost the
- 5 company, and how much would that cost the consumers on their
- 6 bill?
- What we didn't do is value our fellow Americans,
- 8 maybe because they're poor, maybe because they're black or
- 9 brown, maybe because they're indigenous, maybe because of
- 10 all the above whatever, we didn't value them, and therefore
- in the math we did not include the absolutely predictable
- 12 and quantifiable down to the dollar costs that it was going
- 13 to cost that community, and the others way it would impact a
- 14 state or a region akin to a tax revenue.
- And so, you know, some of these civil rights
- 16 leaders, also there were venture capitalists for the last
- 17 ten years, all of the same stories that are math is
- 18 incomplete. And we need to add the other real costs, and
- 19 those real costs aren't just borne, but impoverished
- 20 communities, they're borne by the whole region, the whole
- 21 statewide communities.
- It means the economic engine gets turned off
- 23 because somebody is trying to save a couple of pennies to
- 24 put one more pipeline through their community, or one more
- you know, export facility in that community.

- MR. TEJADA: And I just want to add to that as I
- was listening. That's math that needs to evolve and be
- 3 complete, including, but way beyond what's in front of you
- 4 all. That's going to flow down to where do we build
- 5 schools, right? Where do we zone residential areas versus
- 6 commercial areas. This is really bringing equity injustice
- into how we govern at all levels of this country.
- It's going to force some tough reckonings because
- 9 we have externalized a lot of costs on the same communities
- over and over again. And that's going to make the math that
- we've used look wildly different once we finally do that.
- 12 But if we're really going to govern equitably, and try to
- get to treating people fairly in this country, we're going
- 14 to have to reckon with that.
- MR. VAZQUEZ-GUEMAREZ: Thank you. Now back over
- to Mr. Chairman to see if he has any end remarks.
- 17 CHAIRMAN PHILLIPS: Thank you Felix. I won't
- 18 even pretend to improve upon what we've heard here today. I
- 19 just want to thank everybody, and I'll turn it back over to
- 20 you.
- MR. VAZQUEZ-GUEMAREZ: Thank you Mr. Chairman.
- 22 Thank you to all the panelists. This is the end of our
- panel. We will take a ten minute break, and start at 11:30
- the second panel, 11:40 sorry, the second panel. Thank you
- very much.

Page 86 (Recess.) 2 Panel 2: From the Front-Line: Impacted 3 Communities and their Challenges 4 MS. MCNAMARA: Welcome back everyone. My name is 5 Rachel McNamara, and I'm the Director of Outreach and Assistance in FERC's Office of Public Participation. We're 7 going to begin with the second panel this morning. From the 8 Front-Line: Impacted Communities and their Everyday Challenges. 10 During this panel Commissioners will engage with 11 members and representatives of over burdened communities 12 impacted by FERC jurisdictional infrastructure about the 13 environmental justice challenges they face. 14 Each panelist will introduce themselves, and will 15 provide initial opening remarks for no longer than three 16 minutes. After that we will begin a question and answer 17 session. Following this panel we will break for lunch. 18 We're going to extend this panel to 1:15, and then shorten 19 the lunchbreak to 45 minutes, so it will be 1:15 to 2:00, 20 and then we'll reconvene. As we begin, I'd like to remind 21 all participants to refrain from any discussion of pending, 22 contested proceedings. 23 If anyone engages in these kinds of discussions 24 they may be interrupted and asked to avoid the topic. I 25 will call on each panelist to give their opening remarks.

- 1 We ask the panelists to press the button in front of your
- 2 microphone to turn it on when it's your turn to speak, and
- then a reminder to turn it off when you're done.
- 4 The light will be red when the mic is on. First
- 5 we'll hear from Russell Armstrong, he serves as Policy
- 6 Director for Climate and Environment at the Hip Hop Caucus.
- 7 Please go ahead Mr. Armstrong.
- 8 MR. ARMSTRONG: Thank you. So the Hip Hop Caucus
- 9 is a 21st Century social justice and civil rights
- organization. We use culture to engage communities and
- ultimately work through towards black liberation, and
- 12 liberation in general. We focus on the four pillars of
- environmental justice, economic justice, democracy and
- 14 civil and human rights.
- 15 With a history of working against environmental
- 16 justice and racism since 2005 we've mobilized communities
- 17 against suppression, that have existed since the times of
- 18 slavery and Jim Crow. Land used for slavery was
- 19 industrialized and taken from blacks during reconstruction.
- 20 Simultaneously we were denied access to the banks
- 21 and thus leaving our communities economically and
- 22 politically disenfranchised while polluters could redline
- 23 and further industrialize our communities. Fast forward to
- 24 today, and the legacy of those times is still apparent in
- 25 every major fossil fuel and petrol chemical corridor in the

- 1 country.
- 2 Study after study shows that we drink worse
- 3 water, breathe dirtier air, and yet here we are today still
- 4 trying to determine the legality of our health and our
- 5 welfare. We're here specifically because we want to call on
- 6 FERC to do more for engaging in terms of environmental
- 7 justice. We believe that FERC must stop rubber stamping
- 8 fossil fuel infrastructure as a matter of defending
- 9 environmental justice, and moving through in engaging in
- outreach.
- II FERC must render its legal responsibility to
- 12 conduct thorough outreach and analysis and the environmental
- 13 impacts of gas facilities on environmental justice
- 14 communities. This agency must set a clear and intelligible
- 15 study for what that outreach and analysis should look like,
- both internally and externally, so that staff and
- 17 communities alike can have clear expectations for what
- 18 shared language and expectational equity and environmental
- justice means.
- 20 And FERC should also conduct onsite assessments
- of communities where polluted infrastructure is proposed,
- 22 and ones that show that a community has been unduly impacted
- over time. Require that no further polluting infrastructure
- 24 be approved in those communities until alleviated. Now why
- do we say this? Let's go back to 2002.

Page 89 In the outgoing meeting for former Chair Glick he 2 noted that once you came on, referring to his former senior 3 counsel for environmental justice and equity, Montina Cole, we didn't have people solely dedicated to environmental injustice and equity here, as you note in the last session. So, it's only been two years since FERC has 7 really been focused on environmental justice and equity and add staff onboard for that. He also noted, we have a significant responsibility here. Both a legal 10 responsibility under NEPA and the Natural Gas Act, as well 11 as some other statutes, but also a responsibility, which one 12 could infer probably means a moral responsibility, to 13 ensure that the decisions that we make, ones that have an impact on environmental justice communities, have fairly 14 15 considered those issues. 16 And yet, the Commission has in the past serving 17 in evidence of economic demand when considering whether or 18 not to approve new gas projects as it had been outlined in 19 its certificate policy statement. Now, such as for example, 20 Commissioner Christie, who is not here at the moment, noted 21 on the Transco Pipeline expansion, pointing to agreements 22 from utilities to buy capacity on this pipeline expansion as 23 evidence it was needed, despite the facts that groups have 24 said in those proceedings that the mission was unnecessary. 25 So with attempts to establish impacts, and

- 1 establish significant thresholds, such as one proposing
- 2 1,000 tons of CO2 automatically triggering an EIS,
- 3 environmental impact statement, it is well documented what
- 4 happened with those draft proposals within a month of being
- ⁵ released.
- 6 So according to analysis done by Beyond Extreme
- 7 Energy between March and December of 2022, this body had
- 8 approved the equivalent of 283 million tons of CO2 to be
- 9 released into the atmosphere, or what they deemed the
- 10 equivalent of 76 coals plants that will need to be offset by
- 11 four billion trees.
- 12 And so, when you have concern, even in that last
- project, which was 19 million tons, in that EIS that was
- done for the previously mentioned project, the Transco
- 15 Pipeline, it was mentioned in the EIS that the EIS does not
- 16 characterize the projects greenhouse gas, GHD emissions as
- 17 significant or insignificant because the Commission is
- 18 conducting a generic proceeding to determine whether and how
- 19 the Commission will conduct climate change, a significant
- determination going forward.
- Now if those generic proceedings are the equity
- 22 action plan, that would be a good start to see what could
- 23 move forward with the equity action plan. However, many
- 24 staff members, under action 5, fostering staff equity
- 25 readiness, found that several staff members also lacked

- clarity on how equity can be implemented in their work, and
- indicated the lack of a shared language to discuss equity
- 3 and environmental justice.
- Under action 3 of that same equity action plan,
- 5 several stakeholders have expressed concerns, the people
- 6 behind me, in many forums and during the equity assessment
- 7 process about barriers to realize equitable processes and
- 8 outcomes in FERC's natural gas projects, verification and
- 9 siting proceedings.
- And of course, the U.S. Court of Appeals has
- 11 noted that environmental justice analysis and natural gas
- 12 project siting proceeding to be deficient. So all that to
- 13 say that FERC has a lot of work to do, and we understand
- 14 that this is a new day for you all. This is a new movement
- 15 as you have just established in terms of that same equity
- 16 plan, an Office of Public Participation, starting to look at
- 17 methodologies for how to look at the impacts on the
- 18 environmental justice communities.
- The problem is communities don't have time to
- 20 wait, and so we need to do everything in our power to
- 21 accelerate this process as fast as possible, so we can
- 22 figure out how to understand these impacts, assess them
- 23 appropriately, and ensure that this is not just seen as a
- 24 rubber stamp, if you want to meaningfully engage the
- 25 communities who feel like their voices haven't been heard.

- Thank you.
- 2 MS. MCNAMARA: Thank you Mr. Armstrong.
- 3 have John Beard, the Founder, President, and Executive
- Director at the Port Arthur Community Action Network.
- 5 Please go ahead Mr. Beard.
- MR. BEARD: Thank you Ms. McNamara. First, let
- 7 me just say to everyone good afternoon. To the Chairman
- 8 Phillips, Commissioners Christie and Ms. Clements, staff of
- FERC, and all of you present here. I'm John Beard, Jr. I
- 10 was born and raised in Port Arthur, Texas. Port Arthur's
- 11 motto is we for all the world.
- 12 And I've worked in the petrol chemical industry
- 13 for 38 years, and for Exxon Mobile. I've also served in a
- 14 public capacity for over 35 years as a member of City
- 15 Council, and on numerous boards and commissions with the
- 16 city, as well as the state of Texas. And I'm here today to
- 17 come before you first of all, to pay a bit of homage to our
- 18 indigenous brothers and sisters who this land belonged to
- 19 originally, and who have suffered much, and greatly continue
- 20 to.
- 21 Yet they still persevere against great odds, and
- 22 against multi-billion dollar corporations, as well as their
- 23 own government, so we owe them a great deal of credit for
- 24 what we have here today and what is today.
- 25 But being more specific to this occasion, I won't

- go into a great deal of depth and detail because I believe
- 2 first of all this should be the beginning of many numerous
- 3 and other discussions with regard to environmental justice,
- 4 first of which should be is that environmental justice has
- 5 to be the centerpiece of not just what FERC does, but what
- 6 the United States Congress House and Senate do.
- 7 There is no justice without environmental
- § justice, and there's no environmental justice without racial
- 9 justice. We must begin to treat each other and see each
- other as human beings and not as commodities, or the land
- upon which we live as a commodity to be used and exploited
- 12 for profit and gain for the few, over the needs of the many.
- Port Arthur is a city that has suffered in this
- 14 way for over 12 decades of environmental pollution. I won't
- 15 go into giving the names because I don't want to get in a
- 16 legal quandary, but let me put it to you like this. 120
- 17 years of environmental contamination looks like benzene,
- 18 which is at three to six times the EPA threshold being
- 19 emitted into the airshed which people in Port Arthur have to
- 20 breathe.
- 21 Environmental injustice looks like a company, a
- 22 major oil company with over 600 air quality violations in a
- 23 five year period, and nothing being done about it because
- when the citizens got together to do something, the attorney
- 25 general for the state of Texas stepped in and it's been

- sitting on his desk for three years with no action taken.
- 2 Environmental justice also looks like a company
- 3 that emits over 11,800 tons of sulfur particles and
- 4 particulates that are hazardous to the lungs, and health of
- people, without anything being done about it. And we see
- 6 here today what that has manifested itself in the city
- 7 because you have a great number of people who are first of
- 8 all economically disadvantaged.
- 9 Two-thirds of a city of 60,000, 55,000. And
- 10 almost 30 percent of those being at or below the poverty
- 11 line. But what's worse is we have twice the stated national
- 12 average for not only cancer, but heart, lung and kidney
- disease.
- This is what environmental injustice looks like,
- 15 by the very companies and others who share space with them,
- that are now coming before you with permits to do more work,
- 17 to heap more of a disproportionate burden on communities
- 18 such as mine, and others that are on the Gulf Coast.
- I won't try to speak for them. Some of them are
- 20 here with us today, and some of them on this panel with me.
- 21 But they can speak to their issues, but there's a common
- thread in all of it, and that thread is environmental
- 23 injustice is alive and well, and we have to consider doing
- 24 things to help those who the environmental injustice has
- 25 been heaped upon for in the case of my hometown over 12

- decades.
- I'd like to thank you very much for this
- opportunity, and we're willing to answer any questions you
- 4 may have regarding anything with that. There's a lot I
- 5 probably have to say, even more than this, but you can't do
- 6 it in three minutes, but I want to impress upon you just how
- 7 serious it is. So, for all of you all, as I've told
- 8 Chairman Phillips quite recently, if you don't believe me,
- 9 don't take my word for it. You all come on down.
- 10 Come on down to Texas. We'll serve you some
- 11 bar-b-que, and we'll serve you some of the best seafood or
- we'll even serve you some Tex-Mex and maybe even a little
- 13 Cajun from our friends in Louisiana, just right across the
- 14 border. But you come down and see for yourself, and all I'm
- going to ask you is this one question in closing.
- 16 Was that your community, or were your community,
- 17 would you be breathing that kind of air in a matter of
- 18 minutes or hours in a single visit, in and out. You will
- 19 begin to feel the affects of what we have felt for 120
- years. Thank you.
- 21 MS. MCNAMARA: Thank you Mr. Beard. Now we have
- 22 Amy Cordalis, Co-Principal from Ridges to Riffles Indigenous
- 23 Conservation Group. Go ahead Ms. Cordalis.
- MS. CORDALIS: Amy Cordalis. I'm a member of the
- 25 Yurok Tribe. I'm an attorney for the Yurok Tribe, a

- 1 fisherwoman and a co-principal of the Ridges to Riffles
- 2 Indigenous Conservation Group, and I am extremely honored
- and feel empowered by being on this panel, and the words
- 4 that you have already spoke.
- I'm ready to jump out of my seat and get to
- 6 business. Thank you Chairman Phillips for the opportunity
- 7 to be here, thank you Commission members. FERC can advance
- 8 environmental justice and equity and infrastructure
- 9 permitting for Indian tribes in two ways. The first, is
- 10 recognize that Indian tribes are sovereign nations with
- unique legal status and rights.
- For millennium, Indian tribes enjoyed and managed
- 13 the natural resources of what is now known as the United
- 14 States. Through this historical land and water tenure,
- 15 tribes developed complex societies, and enjoyed inherent
- 16 sovereignty over their territories. During conquest, Indian
- 17 tribes entered into treaties with the United States. The
- 18 tribes sought to preserve their inherent sovereignty and
- 19 access to resources upon which their societies were based.
- The U.S. sought to acquire Indian land.
- 21 Treaties, in most cases reserved land for the tribe over
- 22 which they retained inherent sovereignty and reserve
- 23 hunting, fishing and gathering rights, water rights, and
- 24 many other benefits. Some treaties even reserved fishing
- 25 rights off reservation at the usual and accustomed fishing

- locations of the tribe.
- Today, the tribes in the United States remain
- 3 inherent sovereign nations with jurisdictions over their
- 4 tribal members, lands and resources within their
- reservations. But because tribes lost so much land, many of
- 6 their tribal resources, sacred sites, villages, graves, are
- 7 now located on non-Indian lands.
- 8 The federal government, including FERC, has a
- 9 trust responsibility to protect Indian and tribal resources,
- 10 and has tribal consultation requirements should a potential
- 11 project impact tribal interest. Yet most FERC approved
- 12 projects have not protected tribal interests, and in fact,
- 13 most were completed to the detriment or destruction of
- 14 tribal interest.
- For example, on my home waters and on the Klamath
- 16 River in Northern California, we are a fishing tribe. Four
- dams were built in the 1900's without fishing ladders. It
- 18 annihilated our salmon runs. Today, only 1 to 3 percent of
- 19 those historical salmon runs exist. The tribes fishery has
- 20 been closed for over ten years.
- In 2016, that was the first year that the tribal
- 22 council voted to completely close our fishery, and just
- 23 months later they declared a suicide state of emergency for
- the reservation because people between their 20's and 30's
- 25 were taking their own lives. They simply didn't know how to

- 1 live without fish.
- To this day there is currently no legal
- 3 requirement that tribes consent to energy projects on their
- lands, or the impacts of their resources. And herein lies
- 5 the environmental justice issue. And this brings me to my
- 6 second point. FERC should require project proponents to
- obtain tribal governments, free, informed, prior consent
- 8 before accepting a project proposal, or subsequent steps
- 9 requiring FERC approval.
- The current lack of tribal consent to energy
- 11 projects puts tribes on the defense, they're forced to
- 12 protect their homelands and their resources by opposing
- projects through protests, and FERC proceedings and other
- 14 legal actions. This is what happened at Standing Rock, over
- 15 the Dakota Access Pipeline, and this is what happened at
- 16 Yurok over the Klamath River dams.
- To advance environmental justice FERC should
- 18 simply listen to tribes, obtain their consent to projects
- 19 that impact tribal resources. Consent could be secured by a
- 20 letter from the tribal government after government to
- 21 government consultation. Thank you.
- 22 MS. MCNAMARA: Thank you Ms. Cordalis. Next we
- 23 have with us Kari Fulton, Climate Justice Policy Advocate
- 24 and Educator for the Center for Oil and Gas Organizing.
- 25 Ms. Fulton.

- MS. FULTON: Thank you so much, and first and
- 2 foremost I want to thank the Commission for inviting us to
- 3 speak, and for hosting this. I want to thank my fellow
- 4 panelists, and I also want to lift up the ancestors that
- 5 have brought us to this point. I want to lift up Cecil
- 6 Corbin Marks of WEA, for environmental justice whose
- ⁷ birthday just passed.
- I want to lift up Donald Smith, who went to these
- 9 same communities that we're talking about right now over 25
- 10 years ago and passed away in 2006 from colon cancer. I want
- 11 to lift up all of the ancestors whose spirits are rumbling
- 12 because their final resting places are being torn apart to
- 13 put these extractive industries.
- Not just the ones that exist, but the over 16
- 15 that have already been approved. Every time I look at the
- 16 map on FERC.qov's website I say why are you trying to give
- 17 the gulf south chickenpox? It looks like chicken pox. Why
- 18 are so many of these things concentrated in the area that is
- 19 known as cancer alley already?
- Just like you, Commissioner Phillips,
- 21 Commissioner Clements, I've been to these communities. I've
- 22 had the wonderful opportunity to be invited into Freeport,
- 23 Texas, Chester, Pennsylvania, there are many more places.
- 24 And when you see a flare directly across the street from
- someone's home, and your head gets hurt and you start to

- feel a headache because of all of the fumes, and you're just
- ² a visitor right?
- 3 So as the organizing director for Center for Oil
- 4 and Gas Organizing, a new sponsor program, we bring up
- 5 community members every single month to this Commission, so
- 6 that they can play a role in the permitting process. Every
- 7 single time when I think about people like Gwendolyn Jones,
- 8 whose sitting in this audience, like James Hyatt, like Mel
- 9 Olden, like people like Zooming Mayfield, whose watching
- online, I think why wasn't there more space given, so that
- 11 they could talk about what environmental justice means to
- 12 them.
- 13 Why are only two frontline voices at this whole
- 14 roundtable? I also think about how we can empower this
- 15 Commission because in this very interesting time our ability
- 16 to come here every month wouldn't happen without the real
- 17 intentional buildout of the Office of Public Participation.
- 18 Every single month they support us.
- I don't know what happened with this roundtable.
- 20 I also don't know why I'm only looking at the two democratic
- 21 Commissioners here for this only one panel for frontline
- 22 voices, with only two frontline voices on this panel. That
- is not meaningful engagement.
- To see a nametag with no Commissioner there. To
- 25 see Danly, where is Danly? How can we have meaningful

- 1 participation? How can we create bipartisan collaboration
- when there's obviously one side that's not even listening,
- 3 not even just symbolically, but visually as we're looking at
- 4 this right now?
- 5 How can we have meaningful engagement if you're
- 6 speeding up the process Chairman Phillips? What does that
- 7 mean? We can't have meaningful engagement if you don't put
- 8 the resources for meaningful engagement. Now of the things
- 9 that we're committed to as NGOs who work with frontline
- 10 community members is to make sure that the agency that we
- 11 support with our taxpayer money is empowered.
- I want to see that. I want to see another fifth
- 13 Commissioner, because obviously this is not going to work.
- 14 We need another stronger voice. Something to balance the
- 15 conversation. And every time we come here what I appreciate
- is they say well you know we're not the only show out here.
- We're not the only regulatory agency that you should talk
- 18 to, and you're not.
- We take this right up to Congress, right up to
- 20 Biden, and we're going to do that all this week. So thank
- 21 you for the motivation, Chairman Phillips, to continue
- 22 pushing you to your greatness. Every time I look at you I
- 23 think about Thurqood Marshall because I think about Ben
- Jealous brought up west Baltimore. That's where I live.
- I live right by a statute of Billie Holiday, and

- I live right by the house where Thurgood Marshall grew up.
- 2 So, when we ask for this every single community member that
- 3 has come up here has said take this seriously. And that is
- 4 a challenge of not only your legacy, of truth and excellence
- of service, but also the legacy of our ancestors and all of
- 6 us in this room who are future ancestors.
- 7 What will this look like 140 years from now if
- 8 you allow the Gulf south to look like chicken pox of LNG
- 9 export facilities right in the places that have already been
- 10 acknowledged as sacrifice zones, and as cancer alley by your
- own environmental protection agency.
- Give the power to the people, and let the people
- play a real meaningful role in what the future of our planet
- 14 will look like, and you can't do that if you speed up the
- 15 process, and you don't offer true support to the pieces of
- 16 your agency that play such a critical role in making sure
- 17 that we can have these meetings.
- 18 So I hope that we have more of these. And I hope
- 19 that whatever comes out of this docket, and we're adding to
- that docket, I hope you all are reading it, and we're going
- to be there tonight to continue building out people's
- voices, to continue recording people's stories. So, if you
- 23 all around I'm going to be at Beth Woods and Pullets on 4th
- 24 and K from 5:00 to 7:00, just go ahead and show up or watch
- 25 the livestream on that TV.

- But I kindly ask that you don't just take this as
- 2 guidance, but you move this towards regulation because I
- believe in your power, and your ability to make the change
- 4 that we need for my grandchildren that I have never met. So
- 5 thank you.
- MS. MCNAMARA: Thank you Ms. Fulton. Our next
- 7 panelist is Roishetta Ozane, Founder, Director, CEO at the
- 8 Vessel Project of Louisiana. Ms. Ozane.
- 9 MS. OZANE: One day I know the struggle will
- 10 change, not just for Mississippi, but for the United States
- as a whole and for people all over the world. That's a
- quote from Ms. Fannie Lou Hammer. Good afternoon, I'm
- 13 Roishetta Ozane. I am the Founder and Director and CEO of
- 14 the Vessel Project of Louisiana. I'm also the Gulf fossil
- 15 finance coordinator for Texas Campaign for the Environment,
- but those are not the reasons why I'm here today.
- 17 As a matter of fact, I did not want to come
- 18 today. It took everything in me to be here, and sit on this
- 19 panel, because it's not fair for me to have to represent the
- 20 entire state of Louisiana, and all of the injustices that
- we're facing along the Gulf Coast.
- I wanted to protest this, and I'm a great
- organizer, and I don't know if you noticed earlier when I
- got up and walked out, everybody followed me, and I promise
- you that wasn't even planned. But people know that I only

- stand on the side of right. I wanted to bring everybody's
- voices in here today.
- I wanted representation from every frontline
- 4 community, from Melanie Olden, from Gwen, from Ms. Sue,
- 5 from James Hyatt, from Travis, who was a fisherman in
- 6 southwest Louisiana. From Sharon Levine, from Dr. Wright,
- 7 from Dr. Buller, and all of the other frontline folks who
- 8 fight tirelessly every day. But you know one of my own
- 9 mottos is did we ask for a seat at the table, and were
- invited to the table, we must accept that seat and we must
- use our voice at that table.
- And so, I got out of my own way, and I said well
- 13 I'm going. But even in accepting the invitation the
- 14 injustices we face were prevalent. We had two choices when
- we were invited to be a part of this roundtable. You can do
- 16 it virtually, or you can come in person. Now, as frontline
- 17 folks we're tired of doing stuff virtually because we feel
- 18 like you can't feel our emotions and our tone. You can't
- 19 see our faces.
- We don't know if you're paying attention, or if
- 21 you're watching so easily like Commissioner Danly who is
- 22 somewhere in the stratosphere somewhere, I guess watching
- online, or pretending. We don't know if he's watching. But
- we are here because we wanted you to see us. We wanted you
- 25 to feel our emotion, and feel our pain, so we wanted to come

- 1 here.
- So in making that decision to come here there
- were no options for transportation to get here. There were
- 4 no options for hotel stay. There were no options for where
- 5 you eat for breakfast or dinner, or you're leaving your
- 6 children at home in the community while you're here. What
- 7 are the options for childcare?
- But you know who took care of those needs?
- 9 Coalitions that we have built as frontline people.
- 10 Coalitions that should have been involved in the creation of
- 11 this roundtable. Organizations that are a part of this
- 12 administration, Office of Public Participation, made sure
- 13 that we were okay.
- 14 Some Commissioners reached out and asked us if we
- 15 needed anything, and we had very in-depth conversations with
- 16 them, and I don't have to call their name, and I will never
- 17 call their name, but I'm pretty sure we only had two
- 18 Commissioners in here. You can see which one reached out to
- us from the one that's in the room.
- So we know, but that office should have been more
- 21 involved in this process. It may have just been a little
- 22 bit more equitable, which is another E we need to add to
- 23 Mark Christie's list of E's. But I just want to say that
- 24 I'm here for southwest Louisiana. The only place that I can
- 25 truly represent because that's where I live. I've been in

- 1 southwest Louisiana for 20 years.
- As I stated I'm a mom of six. Three girls and
- 3 three boys, and we live in a town called Sulphur, Louisiana.
- 4 Yes. It's called Sulphur for that reason. It's not fair to
- say, but that's why it's called Sulphur. We have more than
- 6 10 petrol chemical facilities in my community.
- 7 Chairman Phillips came, and he did a tour along
- 8 southwest Louisiana and southeast Texas, but we were not
- 9 given the privilege to accompany him on the tour because he
- 10 had other engagements that he had to get back to, but had he
- allowed us that opportunity to take him on the tour, he
- would have got a chance to see from me personally the
- 13 softball field where my children play.
- He would have gotten to see the wee ball field
- where my five year old is just starting his first year of
- 16 baseball that's right in close proximity to these petrol
- 17 chemical facilities. In fact, the softball field is
- 18 entitled the industrial girls softball complex, and it sits
- 19 right across the street from a gas industry.
- 20 Southwest Louisiana is a five parish area
- intercepting the Katy Anna and central Louisiana regions.
- 22 It's not New Orleans. I know you all know New Orleans, and
- 23 you like New Orleans, but New Orleans is a city. It's not a
- 24 state. Louisiana is a state, and frankly, we need more eyes
- on southwest Louisiana.

Page 107 In the last several years the United States has 2 become the largest exporter of methane gas in the world. 3 Methane gas is a fossil fuel pollution, has significant health impacts on black indigenous people of color communities. Exposure to methane alone causes an estimated 1 million premature deaths every year. More broadly, studies confirm that due to 8 systemic racism our communities are more likely to live in areas of high air pollution than non-black people. 10 time exposure to these pollutions can lead to a variety of 11 health impacts, including respiratory problems, asthma, and 12 cardiovascular diseases. In the Lake Charles area where I 13 live, where roughly half of the 80,000 residents are black, 14 the industry has to be a brand, new, methane gas export 15 terminals, one of which this Commission just would respect. 16 And Lake Charles is not alone. There's roughly 17 20 new expanded LNG terminals as slated to come online 18 within the next decade, and would be located almost entirely 19 in communities of color. Yet as communities of color are 20 literally fighting for our lives on the front lines, 21 departments and agencies like FERC, the Department of 22 Energy, and PHMSA continuously are approving permits for 23 these deadly, monstrous projects. 24 We have seen first-hand what these not so good

25

neighbors do to our communities. We saw this with the

- 1 explosion at Freeport LNG, with the train derailment in
- Ohio, and several explosions of this lake terminal in
- 3 southwest Louisiana, one that just happened last week with a
- 4 pipeline leak.
- Also, where we have no emergency alert system and
- 6 I brought Commissioner Clement's attention the last time I
- 7 was in a meeting with her, our emergency alert system has
- 8 not worked properly since the hurricanes in 2020.
- 9 Environmental justice is an important issue, but it's almost
- 10 just not about people, it affects all of us because what was
- 11 put in place with this system that it intended for a large
- 12 amount or group of people, has now spilled over to the other
- 13 side of town, and honestly that's the only reason we're at
- 14 the table today.
- Because other people are starting to feel the
- 16 impacts. It is the meaningful involvement of low-income,
- 17 black, indigenous, people of color with respect to the
- 18 development, implementation and enforcement of environmental
- 19 laws, regulations, and policies. It is the meaningful
- 20 engagement, meaningful involvement of these same
- 21 communities that have been impacted for centuries.
- 22 Environmental injustice is decades of unfair and
- 23 unjust exposure of environmental hazardous waste, research,
- 24 construction and land use, in and around low income
- 25 communities. What can FERC do? FERC can take greenhouse

- gas emissions and environmental justice concerns into
- 2 account when it reviews natural gas projects.
- 3 Evaluate and incorporate as appropriate any
- 4 subsequently issued guidance by other authoritative sources
- 5 when considering how to identify environmental justice
- 6 communities affected by a proposed project. In addition,
- 7 FERC should also require close consultation and
- 8 collaboration between the project developer and the real
- 9 communities, not the paid communities that these agencies
- 10 -- one of which was sitting on the panel before us, paying
- 11 to come to our community and pretend to work with their
- 12 folks.
- 13 And if we're going to talk about the Boys and
- 14 Girls club that that agency mentioned today, the Boys and
- 15 Girls club sits in the whiter, wealthier, side of town. The
- 16 low-income black children who need that Boys and Girls club
- 17 are bussed over this facility to take part and be a part of
- this club, leading their hearts where they have no lungs.
- No food in the refrigerator, and no real
- 20 resources in their community, over to this nice building in
- the whiter, wealthier side of town. So we're going to talk
- 22 about community engagement, we're going to make sure that
- 23 the real community is engaged, and you all know as everybody
- online and in this room, there is considerably more to
- 25 relate, but I'll stop here and I'll say that I'm open to

- answering any questions that you may have for me. Thank
- 2 you.
- MS. MCNAMARA: Thank you Ms. Ozane, and thank you
- 4 to all of the panelists. We'll now begin the question and
- 5 answer session. Chairman and Commissioners will take turns
- asking questions, and if there's any time remaining I may
- 7 ask a few. To answer a question please hit your name tent.
- 8 We don't have anyone online, so we don't have to worry about
- 9 that.
- Just a reminder to turn your microphone on when
- 11 you're called on. Chairman Phillips the floor is yours.
- 12 CHAIRMAN PHILLIPS: Thank you. Thank you so
- 13 much, and thank you to everyone today who was participating
- on this panel. I think it's extremely important to hear
- 15 your voice, the hear the passion in your voice for your
- 16 communities, for your people, from where you're from.
- We talked a lot today earlier at the other panel
- 18 about community engagement, and you just heard a lot about
- engaging with the real community, not the paid community.
- 20 And there's lots of questions, and lots of misinformation I
- 21 think about how to do that. So we have you here. You
- 22 represent communities, you're from communities. Will you
- 23 help us, and at the same time, help our stakeholders
- 24 understand what are some of the best practices that we can
- use that they can use to engage with the community that you

- represent. I'll start with you Mr. Beard.
- MR. BEARD: Mr. Chairman what I think they need
- 3 to do is they need to be equal to their word first of all.
- 4 They make a lot of commitments to jobs and opportunities;
- 5 except they don't materialize in our communities. I've been
- a firm believer of the fact that business corporations have
- 7 a moral, as well as social obligation to make the places
- 8 where they do business better.
- 9 However, I heard it, and the earlier panel said
- that they're looking at local hiring. But when we hear that
- 11 where I come from, local means everybody but Port Arthur.
- 12 And why? Because with over 80 billion in development we
- 13 have some of the highest unemployment in the state. The
- only place that's higher than the state is down in the
- 15 valley near Brownsville, which I'm going to be going this
- weekend.
- 17 And they don't have for the industry. They have
- 18 tourism. So, the have to make good on their word and make
- 19 their communities better, but they have to really engage
- with people. Roishetta brings up a very good point. These
- 21 are blue ribbon hand-picked people that are on these
- 22 committees.
- Once again, I won't say the name of the company,
- 24 but I was asked that in some recent legal dealings I had
- with one of those companies, and the question was, was why

- didn't I talk to anybody on the committee? Well first of
- all, I didn't have to. I know everybody on the committee,
- 3 and I admitted to that, but I didn't have to because most of
- them don't have a petrol chemical background, if any of them
- 5 do.
- 6 And I've been in the petrol chemical industry 38
- years, so I know it quite intimately and well. But also,
- 8 that sometimes people just are happy to be having a seat at
- 9 the table, and have nothing to contribute. I don't ever
- $^{10}\,$ want to be a number or a figure just at the table, and I
- want to say this about what we are doing here.
- We don't want to be taken for granted either.
- 13 We're not here just to speak and go home. But, my
- organization kind of did a Milton Berle, we stole this from
- 15 another organization, and it's a simple saying. It says
- 16 nothing about us without us. Put us in the mix as M.C.
- 17 Hammer said. Bring us to the table. Talk to us. Find out
- 18 what we think the real people who are actually affected.
- And that's why everything we tried to do in Port
- 20 Arthur with PACAN, my organization is to bring those people
- to the table, let you talk to them. Once again, don't take
- 22 my word for it, talk to the people that's going through the
- 23 suffering that's on the fence line that have had to deal
- with this for decades.
- So they've got to be true to their word, and

- they've got to quit, you know, they've got to quit basically
- telling us something that we know honest face is a lie, and
- 3 misrepresenting and deceiving people, and giving us instead
- of teaching us to fish, or helping us to learn to fish,
- 5 certainly giving us a fish or sometimes not even a whole
- fish, maybe just the bones. They need to make real their
- 7 commitment, but we have to hold their feet to the fire, and
- 8 as was said earlier I think by Ben Jealous, is that those
- 9 companies you really need to -- they have to step up.
- And you all have to require them to step up and
- do more because without their impetus of government and
- 12 political will and public service valid against them they're
- 13 not going to change. They're going to continue to do it.
- 14 This, and I'll close. We talk about environmental justice
- 15 with these companies, but answer this one question.
- 16 How could the very companies that created the
- 17 injustice now be the arbiters of what is justice, and what
- 18 it looks like?
- MS. MCNAMARA: Thank you Mr. Beard. Mr.
- 20 Armstrong and then Ms. Cordalis and then Ms. Ozane.
- 21 MR. ARMSTRONG: I'll defer and let them go first.
- MS. MCNAMARA: Ms. Cordalis?
- MS. CORDALIS: Thank you. Excellent question.
- 24 And as I spoke to in my opening remarks, it's important when
- you're working with tribal communities to make sure that you

- 1 honor the tribal government relationship with the federal
- 2 government. So in terms of engagement, you know, start with
- 3 the Indian tribe that's impacted, or tribes pleural, that's
- 4 impacted by a particular project.
- 5 Often times Indian reservations and tribal
- governments, you know, are in very remote locations where
- 7 they are providing sort of the first responding type of
- 8 government services. They are providing the law
- 9 enforcement, the fire, you know, on and on an on, and so
- when you're engaging with them you've got to start with them
- on that government to government relationship.
- 12 Then the next piece that comes in is the
- 13 consultation policy right? So FERC has a consultation
- 14 policy. You all updated it recently, which was a good step
- in the right direction because that's how tribes engage with
- 16 federal agencies, and they're used to that. One of the
- 17 limitations that we experienced in the Klamath Dam process,
- 18 and I would like to talk about that more later, so we're
- 19 just putting a note out there for that.
- 20 But the ex parte policy really limits what you
- 21 can speak to in those consultations. So, how do we
- 22 meaningfully engage with tribal leadership and tribal people
- 23 if they're not able to speak to the heart of the matter in a
- 24 contested proceeding? I don't have an answer to that, but I
- 25 more note that that's a real prohibitive factor for that

- 1 meaningful engagement. Thank you.
- MS. MCNAMARA: Thank you. Ms. Ozane.
- MS. OZANE: Thank you. I want to start by
- 4 saying, you know, when we were slaves picking cotton, or
- 5 whatever other things we're doing to build this great
- 6 country, there were slaves in the field who knew in their
- 7 moment that one day they will be free. They knew that they
- 8 were not going to be in that situation forever.
- 9 And that's what woke them up every morning. That
- is what propelled them forward, and that's how we were led
- 11 into where we are today because somebody believed that
- 12 change was possible. We're not here because we believe that
- 13 change will happen today. We know that this is centuries
- 14 worth of damage that has been going to a system, and we know
- 15 that in order to change it we have to change their system at
- 16 its core.
- 17 And what's at the core of their system has been
- 18 race. So until we start to put race into these policies,
- 19 into these procedures, then the system is going to stay the
- 20 same. We must break the system down, and how do we do that?
- 21 We make sure that these tables that we're sitting at, these
- 22 proverbial tables are looking like these panel looks today.
- We have to start including real frontline people
- who are on the grounds doing the work. How do you know who
- 25 they are if you're sitting in an office in D.C.? Again, we

- invited Chairman Phillips to the Gulf Coast. Chairman Glick
- 2 came as well, and some other staff, and they were able to
- 3 see first hand how these communities look.
- 4 They were able to talk to some of those community
- 5 members. But another office came with the Office of Public
- Participation. The Office of Public Participation simply
- 7 means more funding because not only did the Office of Public
- 8 Participation accept the invite and come, and engage, and
- 9 participate in the tour, but has since followed-up with
- frontline people and community members on the ground.
- Has since partnered with organizations like the
- 12 Center for Oil and Gas Organizing to make sure that those
- same frontline people can come here to FERC proceedings.
- 14 People who had never in their life been to D.C. before.
- 15 People who had never been on a plane before.
- We are able to see something new. When we talk
- 17 about environmental justice, and I want you to understand
- 18 environmental justice is just a part of this big climate
- 19 fight. When we talk about environmental justice, we're
- 20 talking about what you see, smell, hear, taste when you walk
- out of your front door.
- So you are living in an area that is poor,
- 23 predominantly black, everybody looks like you, and you go to
- your faucet, and you get water, and their water is brown.
- 25 And you go across the street to your best friend's house

- who's been your neighbor for 30 years, her water brown.
- You go to your mama, or your sister's probably
- 3 living there because the whole family lives in this
- 4 community, and her water is brown, you immediately begin to
- think this is how my environment is supposed to look. This
- 6 is right. This is how our water is supposed to be. So what
- 7 am I fighting for? Everybody on this street in my community
- 8 water looks the same, it tastes the same, this is what we
- 9 deserve.
- 10 But when you bring those people out of that
- immediate community can sometimes just cross the highway, or
- 12 cross the railroad track. You know in the community when it
- 13 goes from Martin Luther King to University because now we're
- 14 going from the black side of town to the white or wealthier,
- 15 and you bring them over there.
- 16 You show them well their water is clear. Their
- 17 water doesn't taste like lead poisoning. And then you begin
- 18 to ask them questions. What's the difference? One thing
- 19 your community does not only hear, what is contributing to
- these environmental impacts in your community?
- Those are the people that need to be at the
- 22 table. The people who live it and see it every day. You
- 23 know when again, when industry was on the panel before us
- 24 today, they're saying industry has poisoned Latino,
- 25 indigenous and low-income communities near their Corpus

- 1 Christi LNG facility. They've been exposed to pollution
- that have exceeded and violated state emission limits at
- 3 plant expansion is going to emit millions of tons more.
- We're talk about cumulative impacts here. Who
- 5 better to tell you about cumulative impacts than those
- 6 people who already live near that facility. They know
- 7 someone with cancer. They have seen children with asthma.
- 8 And I'll end my statements with this story. I want you to
- 9 imagine for a moment that you're nine years old and it's one
- 10 month before your 10th birthday, you know, double digits,
- 11 I'm growing up.
- And you're planning your birthday party, and you
- 13 have picked out all of your favorite things, and your
- 14 favorite colors, and you're mom is going to Walmart, and
- she's bought this afro unicorn theme, this banner, and she's
- 16 paid for all these treats. And your birthday is getting
- 17 closer, and you're getting more excited.
- 18 And then one week before your birthday you start
- 19 to have some skin irritation. You start to break out, and
- 20 your mom brings you to the doctor, and they say well it
- looks like hand, food and mouth disease, so we're going to
- 22 give you these antibiotics, you should be fine. But then
- they realize, wait a minute, you're nine years old. You're
- 24 past hand, food and mouth disease, let's do some further
- 25 testing.

- Oh, that's not hand, foot and mouth, that's
- ² Genarty Carci Syndrome. So then they give you come steroids
- and you take those, oh you'll be fine in five to ten days.
- 4 So now your birthday is in that window, and you're told that
- 5 that disease that you have is contagious, so now you can't
- 6 celebrate your birthday. You can't attend the party that
- you've been planning for months.
- The birthday comes and goes, the party doesn't
- happen. And two years later you're still dealing with that
- same skin condition. It has now gone from hand, foot and
- 11 mouth, Genarty Carci eczema to now an environmental disease.
- 12 The air around you is literally peeling your skin off your
- body. That's my daughter. Who is ten years old. She'll be
- 14 11 August 2 this year. Every day my baby is calling me from
- school because she don't want to be in school because people
- 16 are looking at her skin.
- 17 And they're asking her why is your skin changing
- 18 colors? So now we go from environmental impacts to my baby
- 19 doesn't even want to be at school. How are you truly
- 20 involving the community who is being impacted on a daily
- 21 basis if you are truly talking to that community?
- 22 And that does not just involve frontline people,
- NGOs, but also our children because I promise you those kids
- in that community have a lot to say about what they are
- 25 experiencing as well. So that's how we -- it truly involved

- 1 the community. Thank you.
- MS. MCNAMARA: Thank you Ms. Ozane. Mr
- 3 Armstrong?
- 4 MR. ARMSTRONG: It's always hard to follow
- 5 Roishetta. But I want to come back to this initial piece of
- 6 what the Commissioner was asking. And so what is our ways
- 7 to more meaningfully engage the community? And it was
- 8 brought up this is something in demographic principles of
- 9 organizing, as developed by the Southwest Network for
- 10 Environmental and Economic Justice. We call it the NS
- 11 principals.
- Something that we practice in U.S., Canada and
- other groups. The first one is to be inclusive. The third
- 14 principle, let people speak for themselves. As you've heard
- 15 up here today folks who the more inclusive you are, the more
- 16 they can speak for themselves, and they can tell you the
- 17 stories of what's happening on the ground, but you've got to
- 18 go there to actually see it for them to be able to speak for
- 19 themselves.
- So the more of these that you can do, the more
- likely you're going to hear about the impacts that are
- 22 happening, and you start to figure out that this is a
- 23 serious issue in terms that you need to start calculating
- 24 what are the impacts of these projects, not just direct
- 25 emissions, not just indirect cumulative over time.

- As has been brought up before as Mr. Beard was
- just saying, you can see it dotted all over how these
- 3 projects across Port Arthur have been creating issues and
- 4 health issues for over 100 years, so these impacts over
- 5 time, clearly this is no longer a place where people can
- 6 live, and live healthy lives.
- Now the second point that I want to bring up is
- 8 an example from here. How can we do this better. What
- 9 state agencies have done it? Or what do we realize in terms
- of false solutions? So on the ground for example, a story
- of Union Herald in Virginia, just not too far from here,
- 12 outside of Richmond.
- There you can see it and you can look it up, the
- 14 southeast, other environmental law centers have done
- 15 extensive work on this in terms of examining how that
- 16 community was prior to your house being bought by corporate
- interests, that are looking to sell the boys and girls
- 18 clubs, looking to buy off certain members of the community.
- 19 And if you're doing more onsite assessments, if you're
- 20 having staff on the ground to do these sorts of things as
- 21 Mr. Tejada was talking about in the last panel, you'll be
- 22 able to tell the difference when you're getting reports
- 23 back, and it's like well we did an assessment, or we heard
- 24 something back
- 25 And you'll know that some of the community input

- that you're getting isn't actually authentic community
- input. And so that's the type of meaningful engagement we
- 3 need when we say meaningfully engage with the community.
- 4 You have to be there and be able to talk to people and do
- 5 your own analysis to suss out what is real and what is false
- 6 in terms of what you are hearing back in terms of whether
- 7 communities are okay with this.
- In addition to doing that on the ground analysis
- 9 of being a town head these emissions are clearly over
- 10 threshold.
- MS. MCNAMARA: Thank you Mr. Armstrong. Ms.
- 12 Fulton?
- MS. FULTON: I will keep it simple. Meaningful
- 14 engagement means meaningful supply for engagement. You
- didn't even offer people brown bag lunch. You didn't offer
- 16 anybody flights. You didn't even offer anybody a chicken
- 17 breakfast sandwich. So that's on my check. If you invite
- 18 somebody to your house you at least offer them a glass of
- 19 water.
- 20 So, meaningful engagement means taking that time.
- 21 If you don't have the time and the resources to do it right,
- 22 you know, make that time. And we want to work with you to
- 23 do that, and I think one of the beautiful things about even
- 24 this moment is that so many different organizations came
- 25 together and said what support do you need.

- And I really hope that you all look at it not as
- 2 adversaries, but as allies in this mission. So we ask that
- you reach out to us, and put meaningful engagement in the
- 4 organizations that support so many different frontline
- 5 communities.
- The other thing that I would request is that
- 7 there is meaningful engagement for those who are watching
- 8 online. If you're watching online right now on YouTube, you
- 9 cannot communicate. You cannot engage with this process.
- 10 There's no comment section, the live chat is not on. And I
- 11 understand that there are a variety of reasons why that
- 12 might be, however, if I am watching this all I can do is
- 13 watch.
- I cannot share my voice. And if you say put it
- in the docket, you're also asking people to do something
- 16 that is quite technical, and that can often times be
- inhibiting for people who may not know how to access that
- docket, who may not feel comfortable engaging in, you know,
- 19 the internet in that different way.
- 20 So find meaningful ways, and then also help
- 21 people to understand who reads these dockets. I would love
- 22 to see the people who read the dockets, not just the
- 23 Commissioners. I would love to see them come down to these
- 24 communities as well, because those are the decision makers
- 25 that help you make the decision that you all do every single

- 1 month, so thank you.
- 2 CHAIRMAN PHILLIPS: Thank you. I have other
- 3 questions, and I of course took down the note Ms. Cordalis
- that you want to circle back to the dam issue, but I want to
- 5 be more cognizant in this round than I was the last round of
- 6 my colleagues. And so, what I'll do is I will let
- 7 Commissioner Danly, who is on the phone, who would like to
- 8 comment.
- 9 COMMISSIONER DANLY: Thank you Mr. Chairman. I
- 10 just wanted to make one quick comment here, which is to
- 11 reassure everybody I'm home I'm not stratospheric. I'm
- 12 listening to the entire proceeding, with interest. That's
- 13 all I have to say. Thank you.
- 14 CHAIRMAN PHILLIPS: Thank you Commissioner.
- 15 Commissioner Clements.
- 16 COMMISSIONER CLEMENTS: Thank you. I'm not
- 17 exactly sure what to ask. I want to say I feel the power of
- 18 your comments, and the courage it took to come here and say
- 19 it at our Commission. And I'm glad you decided to come Ms.
- Ozane, even though it was hard.
- So, we feel -- I feel, excuse me, the
- 22 responsibility of that you're describing for the Commission.
- 23 Can you say a little bit perhaps Ms. Ozane and Mr. Beard
- 24 about experiences you have had related to engagement when
- new projects are being proposed in your communities?

Page 125 MR. BEARD: Can you -- I couldn't hear you well. COMMISSIONER CLEMENTS: Sorry. I'm talking 3 quietly, which is unusual for me. Will you, if you have some examples of the times when new proposed infrastructure was coming into Port Arthur, what your experience was engagement, whether it be from some examples of engagement 7 from the company developing the infrastructure, or from FERC 8 or any other agencies? MR. BEARD: Okay. Well I've done that more times 10 than I care to count really because just from the sheer 11 number of those soldiers at Port Arthur. But most of those 12 encounters you come away a little cold. They're just going 13 through the motions, checking the box, you know. 14 And most of the time in the case with one 15 company, I'm not going to say Valero's name since they're 16 not here, but they went so far as to let their people off 17 from work early so they could come to the hearing, and most 18 of the room was filled with the guys in their own mix, and 19 they just left the plant, which was not two miles down the 20 street from the university, to come to this and speak on how 21 they were in favor of the project. 22 But what I found peculiar about that is that 95 23 percent of them plus don't even live in Port Arthur. And 24 they don't live near the fence line. And a lot of times you 25 get these people that are coming in support of these things

- that have no skin in the game so to speak. They have
- 2 nothing at risk. They see it as a means of making money.
- Whereas people, like Etta Ebert, bonafide members
- of my organization who lives two blocks south of the fence
- 5 line of the largest refinery in the country, whose more to a
- second round of cancer after 35 years of remission, whose
- 1 lost a brother to cancer, and a daughter, and almost lost
- 8 her husband to cancer, has not had a recurrence of that, and
- 9 that's not a typical story.
- 10 You hear that a lot. So what happens in these
- meetings, they certainly it's just perfunctory. It's going
- 12 through the motions even the state agencies that do it can't
- 13 really answer questions. Another colleague of mine was at a
- 14 meeting for another one of these companies during the
- 15 hearing, on an air permit. And when he was asked about
- 16 where he lived, the project manager, did he live in Port
- 17 Arthur, his response was his mother taught school there.
- So, when you don't have people who are really
- 19 invested in those communities, they can't give you the right
- 20 perspective. They can't give you the right answer even.
- 21 And sometimes, once again, that's the key thing with all of
- 22 it, and that's happened, like I said more times than I care
- 23 to comment. They just simply don't know, they don't care,
- they don't have the answers.
- Not even the people who have the answers have the

Page 127 answers, and that makes it difficult. This, and I'm going to let Roishetta answer. And this is about a permit that 3 may be in your jurisdiction, but there's no legal action going. Now they were asked how close in proximity were they to an EJ community. And if you have been to Port Arthur, as I know Mr. Phillips has, and some others of you, when we 7 crossed the bridge over in Orange County and turn around and 8 come back, you could see that power plant in the distance. And not really much distance, within about a mile 10 and a half to two miles of another facility, Total in Port 11 Arthur. Total is in Port Arthur's ETJ, extra territory and 12 jurisdiction. Technically, the city limits. So, if you're 13 within a mile to two miles of the city limits, how are you 14 not within ten miles of an EJ community when Port Arthur is 15 38 percent Hispanic, and 42 percent black. 16 How do you do that? How do you not know that when 17 you asked the question because when the question was asked I 18 referred back to it an said no, here's what it is. Now if 19 you didn't know that, how could you effectively do a permit 20 that takes into consideration environmental justice issues 21 of a community when you don't even know where the community 22 is? 23 So, the public hearings can be a good thing, it 24 can be a bad thing, but we need them, and we need them to be

25

engaging so that more people can participate and be part of,

- and to understand how it, as it was said earlier, how it
- works, and why it's important for you to be there and be
- 3 part of those processes.
- 4 MS. OZONE: Okay. I'm going to be frank, even
- 5 though my name is Roishetta. First of all, they have these
- hearings, but the community doesn't even know about the
- 7 hearings because the announcements for the hearings are in
- 8 ditches in the country somewhere by a land field, it's just
- 9 like a red sign when you're driving by. Did I see some red?
- Okay, and you keep going.
- They're not making announcements for community
- members to even know when and where these hearings are. The
- 13 communities that are impacted, and if we're talking about
- 14 environmental injustice in all of these other things that
- intersect, do we understand that we're talking about low
- 16 income by communities. These are also communities who have
- 17 education limits, who may have speech barriers.
- There may be also some things that are going on
- 19 in those communities, all other sources of injustices. So,
- when we're talking about hearing, we have to talk about
- 21 language justice. Are these things being put in other
- 22 languages where people who are in those communities can
- understand that there's even a hearing going on? So that's
- 24 the first step of getting that announcement about a hearing
- in a place where the community even knows a hearing exists.

Page 129 And then once you get to that hearing, which is 2 never near where the facility will be, the hearing is 3 somewhere else. And it's on a Thursday night at six o'clock, and they know people's kids got baseball practice, folks got church in the afternoon, like at a time that's so inconvenient for rural community people who are working 7 Monday through Friday, you know, 9:00 to 5:00 jobs, or schedules that they're working at night, or whatever. They can't get to those. 10 Mothers with kids, they don't have babysitters to 11 get to those here. So all of those are unjust and 12 inequitable. And then once you do get to the hearing, so 13 now you've eliminated so many people, we've eliminated 14 thousands of people who didn't know about it. Then you've 15 eliminated another thousand people because they can't get 16 there for whatever reason, they have something else going 17 on. 18 Then you get the ten people who can actually make 19 it. Now these ten don't want this project to be here, but 20 you have to fill out a form, first thing you've got to put 21 is your name and address. Now they know where I live. In 22 the black community one thing about you not knowing where I 23 live unless I want you to know where I live. 24 And that's just the truth, because you're not

25

coming to my house, opening my door, letting my good air

- out. And you know exactly what I'm talking about. You can
- 2 relate. So I don't want my address on anything. And that's
- one of the things we have to do. So you have to put your
- 4 name, your address, then you've got to write down if you
- 5 want to speak or not.
- Well I'm the type of person, I may not want to
- 7 speak when I get there. But then I may feel compelled to
- 8 speak as this hearing is going on. That's another barrier.
- 9 If you do decide to speak it's like you're in a court
- 10 proceeding. And again, as a black woman, I don't want to be
- in nobody's court, because what am I on trial for?
- So you're standing at this podium with your back
- 13 to the people who are your supporters, so you can't look out
- 14 and see somebody you can connect with. You can't look out
- 15 and see a face that is exciting for you to be on their
- 16 panel. A face that's supporting you. All you see are these
- 17 agents who want this project to come to this community, and
- 18 really want to know why you're here wasting your time.
- 19 And the look is evident on their faces. So now
- 20 you have to make this plea before them, and they're going to
- 21 hear you, and they're going to cut you off as soon as you
- 22 run out of time, whether you say everything you had to say
- or not, and then you have to turn around and now you face
- this angry mob of white men, because that's who the room is
- 25 full of, who are industry workers with steel toe boots who

- not only work at the industry, but are also the police
- 2 jurors.
- In Louisiana we have parishes, as you all know,
- 4 and our parishes are governed by police jurors. Police
- 5 jurors. What black person do you know wants to go to
- 6 something that has a name called a policy jury? I mean
- 7 let's just be real. This is how this system has been set
- 8 up, so that we cannot interact because of fear that was
- 9 placed in us long ago.
- So, nobody wants to go to these hearings. They
- don't want to be a part of it. That's why for example, when
- we felt this particular roundtable was inequitable, and was
- 13 not accessible to all of the frontline people, guess what we
- 14 did? Created our own. We make the people's roundtable. So
- 15 who needs to make the people's hearings, so that community
- 16 people can feel like this is my voice, this is family, there
- is no industry people in here, but there are decision makers
- in here who are going to truly hear my voice, and they're
- 19 going to take my voice into consideration.
- 20 But when you have agencies like the American
- 21 Petroleum Institute sitting on panels, and we know that they
- 22 dismiss the filings, or the NAACP study, that found that
- 23 African Americans were disproportionately impacted by fossil
- fuel emissions, you have people like that sitting on an
- 25 environmental justice roundtable?

Page 132 That's an injustice. That's another reason why 2 people didn't want to be here. But there's also the reason 3 why people pull it together first to make sure that we have support, we have back-up in this audience, so that we didn't feel alone up here, so that we didn't feel like the cards were stacked against us, so we didn't feel like this was all smoke and mirrors. And the only reason, the only way we're going to walk out here and have that feeling is if we see that the 10 things that we are saying today actually implemented. 11 Because our findings are going to be true because we 12 conducted our own study. And for decades, FERC has been all 13 talk and no action when it comes to the community. And we 14 saw that, again, as an example, when we brought 15 Commissioners to our community, and Mr. John Beard was 16 talking about shrimp and po-boys, or whatever he was talking 17 about, the food that he knows, and I know that we have this 18 thing between us, that Louisiana has the better food. 19 We fed them some good gumbo and Nicole knows the 20 qumbo was good. We fed them some good Gulf shrimp, and yet 21 they came back to D.C. while many of us were in Egypt and 22 caught 27 fighting for the United States to make better decisions on emissions. 23 24 FERC approved Commonwealth LNG in my backyard.

25

So, we can say come to our communities, but if you're going

- to come, and you're going to look cute, and you're going to
- eat the food, and you're going to wave at the people and
- 3 take pictures with babies, you can stay at home.
- We need you to come and bring back to the table
- 5 what we have said, how we are impacted, and truly involved
- 6 environmental justice and cumulative impacts into the
- 7 decision makings, and not let it just be a pretty picture in
- 8 front of the bridge that is collapsing because it has not
- 9 been fixed in over 25 years.
- We simply need more infrastructure in southwest
- 11 Louisiana, and that infrastructure is not oil and gas, when
- 12 you have communities that don't have hospitals. Communities
- 13 that don't have grocery stores. When you have schools whose
- 14 roofs have not been fixed since the hurricanes of 2020. How
- 15 can FERC help us with those injustices? And how can you put
- 16 that into when folks are submitting these permits before you
- 17 approve them, looking at that.
- Does this community have a hospital, so if
- 19 there's an explosion what fire department is going to
- 20 respond to it, or are we going to be like Free Port, we're
- 21 just going to let the local volunteer fire department
- 22 respond to a chemical explosion. A fire department that has
- 23 no type of training during you know, putting out these type
- of chemical explosions, but that's what that community was
- supposed to do.

Page 134 How can we put that into the process? 2 the power. You are asking us do we want to support you, but 3 if we are giving you the answer. If we are telling you two plus two is four, and you continuously write five, the teacher in me is going to continue to give you an F, and that's all I have to say. MS. MCNAMARA: Thank you Ms. Ozane. Mr. Beard? MR. BEARD: Yes. Just briefly going back to your question Commissioner Clements, and you know, you heard it 10 mentioned earlier about the impact, cumulative impact, 11 disparate impact and also disproportionate impact. That the 12 impact of the decisions made with regard to petrol chemical 13 facilities, export, you name it, pipelines, all that may be 14 under your jurisdiction have actual impacts. 15 It boggles my mind that they would even think to 16 say in regard to this that that you know, it's not 17 mentionable, or you can't mention it, you can't see it. 18 let's just try this if you will. If you're going to do 19 something to assess the impact in the area then you need to 20 do a study of a period of time. I don't know how long, pick 21 a time, just as long as it's more than a day, but to see 22 what the effects are already in that community before you 23 bring a facility in there that is going to add more misery 24 to people. 25 More pollution to their air, more noise, more of

- 1 anything. I was reading one of the other, I tried to pull
- 2 it up proceedings you all had with another company. As a
- 3 matter of fact it was golden path LNG, which is one of the
- two that is currently in Port Arthur, and there's a third
- trying to come that we're engaged in, so I won't mention
- 6 them to stay out of trouble.
- 7 And I really won't mention them this time. But
- 8 anyway, it talked about the affect of traffic. And I don't
- 9 live very far from that parking lot where those buses come
- 10 and drop those folk off and all of that, but I remember
- while I was on Council bringing up when they first did some
- of their work that you know, these people go to church.
- 13 They wash their cars. They still even hang their laundry
- 14 outside.
- 15 And now you've got this gravel parking lot with
- 16 all of this dust, and all of this causing not only stirring
- 17 this dust up, but it's blowing into the community, but
- 18 they're also driving through the city streets because they
- don't want to get on the busier express ways and larger
- 20 streets where it's crowded, so they take shortcuts through
- the neighborhood, driving at speeds that are unheard of
- 22 considering you have young children there, or elderly
- 23 people who may be out walking, people just trying to enjoy
- their homes and property.
- So, when we talk about these things when you have

- those hearings, and you bring that up as a problem to them,
- you simply dismiss them and treat it as though well we're
- 3 talking about jobs. It's not about that. There was one
- 4 person who told me one time that I was a thorn in his side
- 5 because of a position I took on something like that.
- But I said because you don't understand what the
- 7 effect of a thorn can have on you when you've had it for 12
- 8 decades like we have. It makes a lot bigger difference
- 9 because you didn't even go home to a community that has none
- of those problems while we're stuck with what we have to
- 11 endure.
- So the pasts that you hear from most of us
- 13 speaking about this is simply because of the fact that we
- 14 had so much, and we don't want to take any more. We've been
- 15 sacrificed, we've been left to die on the vine. And we're
- 16 simply not going to take it anymore, so we're going to do
- 17 whatever we can. We want to work cordially, peacefully, but
- 18 we're going to continue as I like to say ratchet up the
- 19 pressure, and ratchet up those voices in those public
- 20 hearings, in any of those meetings, in court proceedings.
- You name it we're going to do it because we're
- 22 tired of being sacrificed. And if it's so good for us to
- 23 have to go through it, then I'm sure some of you all seen
- 24 Eddie Murphy's movie, Trading Places, with Dan Akroyd. You
- 25 all trade places. Come sit in these shoes for a while, and

- have to endure this, and breathe that. I quarantee you,
- unless you're blind, or you sit in stratosphere, that you
- 3 have to see it differently.
- And I don't mean that in no way of disrespect,
- 5 but you have to get close and personal with it to see it.
- 6 CHAIRMAN PHILLIPS: All right. We just have a
- 7 few more moments. I have some closing comments before we
- 8 leave. But I wanted to give an opportunity for folks who
- 9 hadn't talked on this topic that want to talk about it to go
- 10 ahead and have the floor.
- MS. CORDALIS: Thank you Chairman Phillips. I
- 12 appreciate the opportunity. This is a powerful experience
- 13 for me. I'm a Yurok tribal member. My family is from the
- 14 Village of Requa, which is right at the mouth of the Klamath
- 15 River. We've been there since the beginning of time. We've
- never left. My grandma's house is still there.
- I come from renegades, fisherman, sovereignty,
- 18 you know, asserters, treaty signers, people who fought for
- 19 their legal rights when you know they essentially were
- 20 persecuted for doing so. And what I've heard today from the
- 21 other panelists is that this is not just this not just the
- 22 indigenous community experience, this is a lot of our
- 23 combined, collective experience.
- What I believe is that we are on the cusp of
- change. And I want to bring my community's experience to

- light here to show how I think we're changing, and the
- process we've made. And I want to thank the Commission for
- 3 approving the Klamath license, the Klamath dam license
- 4 surrender and transfer order. That just happened in
- November.
- And essentially what that is, is it leads to what
- 7 I like to call the GOAT of river restoration. It is the
- 8 greatest of all time river restoration project. It is the
- 9 removal of four dams on the Klamath River. And I spoke a
- 10 little bit about the problems that the dams had created.
- 11 You know, we're a fishing people. That's what we do ever
- single part of our way of life revolves around fish, and we
- haven't had fish in a long time, and in part that's because
- 14 those dams were built without fish ladders.
- And you know, over the decade, essentially those
- 16 fish, you know, they just couldn't live. They can't live,
- 17 you know, it's like when you have a dirty home you can't
- 18 live there. You get sick, you know, you die, and that's
- 19 what's been happening to the fish. So the removal of the
- 20 dams will heal the river. It will make the river healthy
- 21 again, water quality will improve, water temperatures will
- decrease.
- The bed in the river will go back to what it was.
- 24 And how we look at that is in removing those dams, and
- 25 literally you know, the lowest dam on the river was called

- 1 Iron Gate, and to us that Iron Gate Dam was, you know, a
- 2 symbol of colonization right? And so, we're going to remove
- 3 that symbol of colonization, and we're going to reclaim the
- 4 river, reclaim those fish, and rebuild it. And in doing so
- we will heal ourselves, and we will, you know, move forward
- 6 being Yurok people, and being as the creator intended us to
- 7 be, you know, fishing people.
- 8 There's lessons that I think are really important
- 9 that we can pull from to help guide us to a more equitable
- 10 future, which is on the Klamath, and what we were able to do
- through that project, and we fought like all heck for
- decades for that. And a lot of it was driven by our
- 13 community leaders. You know, people from the river, who
- 14 were just like the folks that you described in your
- 15 community, and in your community.
- 16 You know, they have the same issues where they
- don't have access to the internet. They don't have
- 18 electricity and running water in their homes, you know. The
- 19 average annual income on their reservation is \$11,000.00 a
- 20 year. You know that's more than like -- well, that's about
- 21 the same as maybe folks here making a week.
- Our leaders are literally considering a campaign
- 23 now that would be called pathway to poverty, which that
- 24 would be an improvement for us, right, because we're not
- 25 even at the poverty line. High rates of cancer. We got

- those. On and on and on, all of the things that we heard
- 2 today from these other communities, we experience that at
- 3 home.
- But nonetheless, we persevered, and we, you know,
- 5 we're able to get to a place where we started the Klamath
- 6 Dam Removal Project last week, and I'm very excited about
- 7 that and full of hope. So the lesson I think we can pull
- 8 from that is to get to that phase. What we had to
- 9 essentially do was organize, you know, not only the tribal
- 10 governments, but the NGOs, the local communities, the
- 11 business owners, the dam owners, the states of Oregon and
- 12 California into an agreement which equally valued the
- 13 rights of indigenous peoples, the rights of ecosystems and
- 14 businesses.
- You know, the legacy of energy development in
- 16 this country is one that essentially promoted, you know, the
- dollar, and profit at the expense of everything else,
- 18 including our communities. And what we were able to do in
- 19 Klamath Dam removal was at least get to a place where those
- 20 indigenous rights, the rights of ecosystems were equally
- valued with the business rights.
- 22 So, you know, and I also really am grateful for
- 23 the Commission's and then the former Chairman Glick's
- 24 comments at the Klamath Dam removal final hearing, in which
- 25 he acknowledged that FERC has not traditionally

- acknowledged, or respected tribal rights, but that he saw
- this particular application and approval of that as a new
- day, as a turning point to the Commission acknowledging the
- 4 important rights, the important connections that indigenous
- 5 peoples have to land and water.
- And so, I see this as a way that we can move
- 7 forward. You know, you pose potential questions about how
- 8 do we increase, you know, engagement, connection, and I
- 9 think what we have to do is not look at environmental
- 10 justice as a box. Right? It's not a box because if you put
- it in a box we will continue to be marginalized, right? So,
- 12 environmental justice issues, the rights of you know,
- 13 minority communities, the rights of the environment, have to
- 14 get out of that box and be incorporated into everything that
- 15 FERC does.
- To your environmental analysis, have tribes be
- 17 co-leads for your NEPA work, right? Contract with tribes to
- 18 have them do, you know, different parts of the Historic
- 19 Preservation Act analysis, right? Endangered Species Act,
- 20 Bi ops. You know, tribes have tremendous technical capacity
- 21 to contribute to these type of regulatory processes, that
- 22 will help you come out with a better project in the end,
- 23 right?
- 24 Because they have valuable resources experience,
- 25 traditional ecological knowledge, right, which they have

- developed over millennium of observing how ecosystems
- worked, and many tribal governments have now married that
- 3 knowledge with modern science, you know, and they can
- 4 contribute that to your environmental review and your
- 5 processes.
- 6 My final point is you know, I come from salmon
- 7 country, and I work closely with the salmon nations all
- 8 along the west coast. And recently the commercial offshore
- 9 fisherman, you know, which are predominantly non-Indians,
- 10 voted to close their commercial fisheries for the whole
- 11 year, right? So Pacific salmon are so in such bad
- 12 condition, there's not enough salmon essentially to support
- 13 commercial fisherman.
- So you all better buy your salmon now if you want
- 15 any because come this summer it's going to get real
- 16 expensive. And I wish I could offer to take you all home
- 17 and feed you salmon because that's what we do, as Yurok
- 18 people, but I don't have any fish yet, so talk to me in ten
- 19 years.
- 20 But in any event, the reason salmon fisheries are
- 21 collapsing is essentially because we have dams across the
- 22 west coast that were built without salmon ladders, or are
- built in ways that don't allow fish passage, and also are
- 24 creating really poor conditions on these rivers.
- The Sacramento, the Klamath, the Columbia, you

- know the Snake, all of these rivers support major, you know,
- 2 hydroelectric projects, and we operate them without really
- 3 adequate regard for their environmental consequence, or
- 4 their consequences on tribal rights. You know, I spoke to
- 5 treaty rights earlier. Those aren't considered in large
- 6 part.
- You know, and if they are it's a paragraph, and
- you know the EIS that says this will harm child treaty
- 9 rights. We all know that's not true. We are at a point on
- this planet where if we don't protect our environment, you
- 11 know, and salmon are the canary in the coal mine
- essentially, we're going to lose the salmon.
- We're going to lose our own home planet, right?
- 14 So we don't have time to continue to especially promote the
- 15 business interest at all costs. You know, and I know that
- 16 there's an argument when it comes to hydropower, well it's
- 17 green. But is it really green if it kills ecosystems and
- 18 fish and salmon, and rivers, and you know, stomps on tribal
- 19 rights? That's not green.
- 20 So, again I urge you all to you know, think about
- 21 what we learned from the Klamath, and think about how we can
- 22 move forward with a more equitable, you know, more justice,
- 23 environmental justice approach to energy development. And
- 24 part of it too is like we have to turn the lights off. You
- 25 know, we have to figure out how do we as humans reduce our

Page 144 demand, right? 2 Because there has to be balance. So thank you 3 for the opportunity, Chairman, to offer those remarks. 4 CHAIRMAN PHILLIPS: Thank you. We have to turn 5 to closing remarks. Commissioner Clements do you have anything? COMMISSIONER CLEMENTS: Thank you. No I do not. MS. OZANE: Oh, I was just going to make one last statement, then I realized we had gone overtime, but I just 10 wanted to say that we realize that the environmental economy 11 issue is a complex one, but we also realize that any 12 significant impacts on society, political and democratic 13 systems in different ways. For example, rising sea levels 14 can increase the displacement of people, which can lead to a 15 destabilization of political systems, as well as a 16 disruption of existing social and economic systems. 17 In addition, extreme weather events, such as 18 hurricanes and floods that we saw in southwest Louisiana, 19 can have a negative impact on food supply and access to 20 water, leading to decrease in quality of life, and an 21 increase in poverty. Climate change can have an indirect 22 impact on our democracy as well, as it can shape the way we 23 view certain issues and candidates. We may view some 24 policies and candidates differently if they have a history 25 of supporting environmental protection.

Page 145 As communities, we must come together to 2 recognize the importance of climate change, and ensure our 3 policies reflect these values. We must also use our votes to help elect leaders who prioritize their environment, and make climate change a top priority. I wanted to give you all those closing remarks because those are remarks that I 7 made before my community at an event that we just recently 8 had. We are not here as opponents to work. 10 here because we want to know what we can do from the 11 community level to support FERC in helping us. What can we 12 do? How can we pull community members together? How can we 13 create roundtables, and groups of people who truly represent 14 each of these different communities, so that we can have valuable, meaningful impacts, and we can feel like our 15 16 voices have been heard? 17 We feel like this is just the beginning of the 18 conversation, and we have faith and hope that these 19 conversations will continue, and that these roundtables will 20 each time consist of different people from throughout the 21 United States, more frontline EJ people, and less industry. 22 Thank you. 23 CHAIRMAN PHILLIPS: You know what's interesting. 24 I want to just applaud you, all of you, for coming here

25

today and just for telling your truth. That's important,

- and it's hard. It's hard to do. I've been on that side.
- You know, and I'm lucky enough to be on this side right now.
- 3 I want to also thank you for acknowledging the OPP, Office
- 4 of Public Participation.
- I have regular meetings with them. I've also met
- with each of you individually, and I thank you for the
- 7 opportunity to come down to your neighborhood and to see
- 8 exactly what's you talking about. And it impacts you in a
- 9 profound way, and I haven't had an opportunity yet to come
- out, but I told you I'm coming, and I'm going to come.
- But with that being said, I think it's also
- 12 important that when we talk that we engage each other, and I
- don't tell you something that I can't do, that we can't do.
- 14 You know, there are limits to what we can and cannot do that
- involve the law. So I've learned from you today one of
- 16 those things I think we need to do is to continue the
- dialogue, so that you know what the limitations are around
- 18 our processes.
- One of them is the record. And it's so very
- 20 important, if it's not in the record it doesn't matter how
- 21 much Willie wants to do it. I can't do it. That's why that
- 22 process when you stand up there and you have to say what's
- on your mind, and you know, the folks are behind you, that's
- the way it's set up. The way it is. That's why this arcane
- 25 docket process, which hardly makes sense to me, that's why

- we have it It's the way we track it, and maybe there are
- ways to improve it, you know, so we're going to take this
- back, I'm going to take your comments serious.
- 4 You know I talked to you in Houston just the
- other day. So, thank you so much. We're going to wrap up
- 6 this panel. That's not my job, that's your job.
- 7 MS. MCNAMARA: Thank you Chairman Phillips. We
- 8 are aware that there's a YouTube issue, the YouTube will be
- 9 reset over lunch, and just note this is all being
- transcribed and recorded, so there will be a record
- available of anything that happened during the YouTube
- 12 outage.
- We will take a break for lunch, and we'll resume
- our third panel at two o'clock p.m., so sorry for the
- 15 abbreviated lunchbreak.
- 16 (Whereupon, a lunch recess was taken.)
- 17 Panel 3: Identifying, Avoiding, and Addressing
- 18 Environmental Justice Impacts
- MS. MARTINEZ: Good afternoon, and welcome back
- 20 to the Roundtable. My name is Brittney Martinez,
- 21 Attorney-Advisor at Environmental Justice and Equity Team,
- 22 for the Commission's Office of General Counsel. For those
- of you tuning in for the first time, I want to cover some
- 24 logistics for the Roundtable.
- 25 But first, I want to note that we have a new link

- up, and a recording of the morning session available on the
- 2 page, for anyone turning in virtually. Only the
- 3 Commissioners, panelists and a small group of Commission
- 4 staff will have speaking roles today. Should a fire alarm
- occur during this meeting, all participants should follow
- 6 security staff directions, proceed to the lobby and exit the
- ⁷ building. After exiting the building, we will proceed to
- 8 the First Street sidewalk opposite the building. We ask
- 9 that all participants stay with the group until after our
- 10 accountability check, so that we do not unduly risk first
- 11 responders.
- 12 As a reminder, actions that purposely interfere,
- 13 or attempt to interfere with the commencement, or conducting
- of the roundtable, or inhibit the audience's ability to
- observe or listen to the roundtable, including attempts by
- 16 audience members to address the Commission while the
- 17 roundtable is in progress, are not permitted.
- 18 Any persons engaging in such behavior will be
- 19 asked to leave this room. With those reminders out of the
- way let's get started with the third panel, entitled
- 21 Identifying, Avoiding and Addressing Environmental Justice
- 22 Impacts. This panel will discuss how infrastructure
- 23 applicants, the Commission, and its staff can better
- 24 identify, avoid and minimize adverse impacts on
- 25 environmental justice communities.

- Each panelist will introduce themselves, and will
- 2 provide initial opening remarks of no longer than three
- 3 minutes. After that, we'll begin a question and answer
- 4 session. Following this panel we will have closing remarks.
- 5 As we begin, I'd like to remind all participants to refrain
- from any discussion of pending, contested proceedings.
- If anyone engages in these kinds of discussions,
- 8 they may be interrupted, and asked to avoid that topic. I
- 9 will call each panelist in turn to give their opening
- 10 remarks. We ask that panelists remember to press the button
- in front of their microphone when it is your turn to speak,
- 12 and turn it off after you are done. With those initial
- matters out of the way let's begin.
- 14 First, we will hear from Aram Benyamin, who is
- 15 serving as the Chief Operating Officer at the Los Angeles
- 16 Department of Water and Power, and participating virtually
- 17 today. Please go ahead Mr. Benyamin.
- 18 MR. BENYAMIN: Thank you and good morning
- everyone, or good afternoon where the meeting is being held.
- 20 So thank you Commissioners for making this opportunity for
- 21 us at this very important discussions. As mentioned, I'm
- 22 Aram Benyamin, I'm the Chief Operating Officer for LA Water
- 23 and Power, and I'm very excited to come and take part of
- 24 this conversation. I'm looking forward for the back and
- 25 forth discussion.

- MS. MARTINEZ: Thank you very much Mr. Benyamin.
- 2 Next up we have Uni Blake, she is a Senior Policy Advisor at
- 3 the American Petroleum Institute, and is participating
- 4 virtually today. Please go ahead Ms. Blake.
- 5 MS. BLAKE: Oh thank you. Good afternoon Chair
- 6 Phillips, Commissioners, FERC staff, and members of the
- 7 public who are tuned in today. First, let me begin by
- 8 apologizing for not being there. Please do not let my
- 9 absence diminish our organization's level of commitment. It
- is an honor to be here this afternoon.
- 11 As I said, my name is Uni Blake. I'm Senior
- 12 Policy Advisor at the American Petroleum Institute, also
- 13 know as API. API represents the more than 600 member
- 14 companies involved in all respects of the natural gas and
- oil industry, including the transportation of natural gas
- and oil in the United States.
- 17 Together, with our member companies, API is
- 18 committed to particularly improving environmental and social
- 19 performance, and engaging with and investing in the local
- 20 communities. We are committed to listening to and working
- 21 with regulatory agencies, policy makers, and local
- 22 environmental justice communities.
- First, I would like to commend Chairman Phillips,
- 24 and the Commissioners for tackling this issue head on, and
- 25 allowing the industry a seat at this table. But also

- 1 recognizing that even though we are at this table we have to
- work hard, and demonstrate that we can bring something
- yaluable to this conversation. In early March, I had the
- 4 pleasure of listening to Chair Phillips express his
- 5 commitment at the National Environmental Justice
- 6 Conference, where the Commissioner spoke from his
- ⁷ background, and where his passion is grounded.
- It is a grounding that I truly understand.
- 9 Having been raised in an environment where regulations and
- 10 community priorities do not align. At API we recognize that
- 11 providing energy in the way that respect communities and the
- 12 environment require a deep understanding of the potential
- effects, that charging corporations may have on communities.
- 14 API and our members are invested in understanding
- 15 those connections. We also recognize that communities have
- 16 this unique priority and concerns. One size cannot fit all.
- 17 Getting to solutions needs to be thoughtful, targeted, and
- 18 deliberate. These efforts cannot be a checklist at the
- 19 site, but a process that will continually improve as more
- 20 events do continued learning.
- In closing, I wanted to be true to myself and
- 22 bring on some academic profiles. If you want to go fast, go
- 23 alone. If you want to go far, go together. Communities of
- 24 color have traveled this path alone, and had to travel fast
- within the times the opportunities are available. But it's

- time for us to start planning for the distance to build
- 2 resilience and the need to travel together.
- 3 We recommend this will take very difficult and
- 4 uncomfortable conversations. We as an industry need to
- 5 build trust with these communities for us to be a valued
- 6 partner. Thank you very much for this opportunity, and I am
- 7 looking forward to this conversation today. Thank you.
- MS. MARTINEZ: Thank you very much Ms. Blake.
- 9 We now have Gina Dorsey, Director of Environmental Health
- 10 and Safety Project Permitting at the Operations Support
- 11 Group at Kinder Morgan. Go ahead Ms. Dorsey.
- MS. DORSEY: Thank you Brittney. Good afternoon
- everyone. I'm Gina Dorsey, and I'm the Director of Project
- 14 Permitting for Kinder Morgan, and I've been with the company
- 15 for 26 years. My work is focused on the environmental
- 16 permitting and associated stakeholder outreach for pipeline
- 17 and facility expansion, operations and maintenance projects
- 18 for the company.
- 19 Thank you Chairman Phillips, Commissioner
- 20 Clements, and all the other FERC leaders for this
- 21 opportunity to serve on this panel. This discussion is very
- 22 important to Kinder Morgan. And the previous panel
- 23 discussions were very impactful. I would like to summarize
- 24 a brief discussion of Kinder Morgan as well as our key
- 25 commitments and core values.

- Kinder Morgan, Inc., or referred to as Kinder
- 2 Morgan, is one of the largest energy infrastructure
- 3 companies in North America. We have an interest in, or
- 4 operate approximately 82,000 miles of pipelines and 140
- 5 terminals. For the purposes of today's discussion I'll
- 6 provide more details of our natural gas business unit, where
- 7 key components of the business unit apply to the FERC
- 8 jurisdictional application and review process.
- 9 Kinder Morgan owns or operates approximately
- 10 70,000 miles of natural gas pipelines, including interstate
- and intrastate transmission pipelines, as well as gathering
- 12 pipelines, constituting the largest natural gas network in
- 13 North America. Our operations serve major, natural gas
- 14 consuming areas of the conterminous United States.
- 15 Kinder Morgan is one of the largest natural gas
- 16 storage operators with approximately 700 billion cubic feet
- of working gas storage capacity and underground facilities.
- 18 We operate over 15 gas processing plants and two liquefied
- 19 natural gas terminals. Kinder Morgan has had a long
- 20 standing commitment for the fair treatment and involvement
- of all people affected by our projects and operations.
- Regardless of race, color, national origin or
- income. Specifically, we are committed to engaging with
- 24 communities, agencies, and stakeholders in accordance with
- our core values of integrity, accountability, safety and

- 1 excellence. We recognize that every environmental justice
- 2 community has its own unique historical experiences,
- 3 cultural views, priorities and needs, and we worked to
- 4 identify effective ways to engage these communities on a
- 5 case by case basis, rather than applying a one size fits all
- 6 approach.
- We expect that our approach to environmental
- 8 justice will continue to evolve, and improve based on our
- 9 increased interactions with the communities, and after
- 10 hearing comments and remarks today. As mentioned, my work
- is focused on environmental permitting, and associated
- 12 stakeholder outreach for projects. My group's
- 13 responsibilities include providing or managing environmental
- 14 reports, as part of FERC jurisdictional application filings,
- 15 and ongoing FERC compliance reporting.
- 16 We appreciate that the Commission has had a
- 17 long-standing practice of evaluating the effects of
- 18 environmental justice populations as part of application
- 19 filings. In addition the Commission, strengthening its
- 20 efforts to better integrate and advance environmental
- 21 justice principles into its decision making, additional
- 22 agencies have also been developing programs, policies or
- 23 regulations, with similar environmental justice goals.
- These requirements are rapidly evolving. As an
- 25 infrastructure applicant, we continue to incorporate new

- 1 programs and policies from various agencies, into our
- 2 company's existing programs as they are developed. And we
- 3 are committed to continuing to collaborate on improvements.
- Again, I appreciate this opportunity to serve on
- 5 this panel, where I can speak from the perspective of an
- 6 infrastructure applicant, and also learn about additional
- 7 ways that we can better communicate with and benefit the
- 8 local communities where we operate our facilities.
- 9 I very much look forward to this important
- 10 discussion. Thank you.
- MS. MARTINEZ: Thank you very much Ms. Dorsey.
- 12 Next we have with us Al Huang, Senior Attorney and Director
- of Environmental Justice at the Institute for Policy
- 14 Integrity at the NYU School of Law. Please go ahead Mr.
- 15 Huang.
- MR. HUANG: Thank you. I'm honored to be here,
- 17 and thankful for the opportunity to speak about
- 18 environmental justice. The Institute for Policy Integrity
- 19 at NYU School is a non-policy think tank dedicated to
- 20 improving the quality of government decision making through
- 21 advocacy and scholarship in the field of administrative law,
- 22 economics, and public policy.
- We use economics law to support smart policies
- 24 for the environment, public health and consumers. Before I
- 25 kind of get into my specific comments I just kind of wanted

- 1 to echo back what you've heard in the first two panels. I
- believe, and I think all the panelists have said too that
- 3 FERC needs to demonstrate a foundational commitment to
- 4 environmental justice.
- And that means in identifying who EJ communities
- are, engaging with them, providing support for them,
- 7 building trust. And by doing those, by building that
- 8 foundation it will help FERC in being able to do the things
- 9 that we want to talk about in this panel today. And it will
- 10 help with trust. It can yield substantive advantages such
- 11 as assisting for the establishment of accurate baseline
- 12 conditions in a community that matches the lived
- experience, a fundamental part of any environmental justice
- 14 analysis, right?
- 15 Identifying potential cumulative impacts. We're
- $_{16}$ going to get into more of that later on in this panel I
- 17 suspect. Identifying viable alternatives to approach
- 18 projects that can mitigate adverse impacts, and fully
- 19 understand the vulnerabilities that a community might face.
- 20 And even more importantly, I mean gaining public trust and
- 21 acceptance of FERC decisions.
- FERC also, I believe needs to adopt a systematic
- 23 and transparent process for conducting these analyses,
- 24 including cumulative impact analysis, through the publishing
- of a guidance or policy statement. I think it's so

- important to have a policy statement because it provides a
- 2 clear understanding of how FERC does its assessments in the
- 3 future.
- And there could be accountability. The regulator
- 5 community, and the communities impacted have an expectation
- 6 of what would the analysis and process will be, and can we
- 7 therefore participate in a meaningful way? And as part of
- 8 that, the policy statement should look at, and should
- 9 identify a methodology of how EJ communities will be
- 10 identified, what data level will be used, tools will be
- used, federal, state, local, how long -- sorry, how we will
- 12 select who a comparison group is.
- 13 And a process for evaluating to support the
- 14 impacts. Standardizing a core set of issues for assessment
- in every application will lead to efficiency, again
- 16 accountability as well as transparency, and will, you know,
- 17 make clear to all the parties involved what to expect, and
- 18 then folks will be able to allocate the resources in a way
- 19 that's productive.
- 20 And we should also actively seek input from
- 21 communities throughout the entire process of the development
- of that statement, and whether or course the great Office of
- 23 Public Participation that was just created. Finally, there
- 24 must be a commitment to weighing the benefits and costs of a
- 25 project, in a holistic, comprehensive and transparent way.

- If the analysis identifies disproportionate
- 2 environmental justice impacts, that should guide the FERC
- decision. It should provide a basis for denying a project
- 4 application all together, especially if an alternative
- 5 cannot address those impacts.
- 6 So any process needs to be able to go through
- 7 those steps, identify a community, identify what the impacts
- 8 are to that community, whether they're disproportionate or
- 9 not, also identify if there is any cumulative impacts.
- 10 Identify potential alternatives, and then what the EJ
- impacts of those alternatives are too. And then at the end
- of the day decision is what matters.
- 13 You've heard already today when the rubber hits
- 14 the road is that you can have all the process you want, and
- 15 it's not meaningful if it doesn't actually change the
- 16 outcome of how decisions are made, and hopefully fertilizing
- 17 a little more about what the process is will help FERC have
- 18 the tools it needs to make better decisions.
- 19 I'm going to quickly go through just some issues
- 20 around the types of analysis we're talking about, and then
- 21 I'm sure we'll get into it more later on in this panel.
- 22 Identifying communities is critical. Using census block
- data, which is the more granular data is a potential choice
- of a geographic unit that will best identify the
- 25 communities, and then also avoid artificially diluting or

- 1 masking the presence of people of color, and low-income
- 2 populations.
- For example, in the Southeast Market Pipeline
- Project FERC used census tracks instead of census block
- 5 data, and what it ended concealing with 100 percent black
- 6 census block using the location of the majority of white
- 7 census track. So the tools you use are vitally important.
- 8 FERC does use census block approved data, it's
- 9 inconsistently applied, and again, the policy statement
- 10 that clarifies that will create some inconsistency across
- 11 the board.
- You also should use raw and sufficiently
- 13 representative comparison populations in determining whether
- 14 a project's impacts disproportionately affect identified
- 15 communities. And choosing, in the proper comparison,
- 16 population can lead to artificial distortion of the
- 17 environmental justice impacts, including where the
- 18 comparison group is tuning out geographically, or too
- 19 similar demographically.
- Like you can't look, identify and EJ community,
- 21 and then compare it to another EJ community. They're both
- burdened, and fine there's no disproportionate burden. I
- 23 mean like it matters who you choose and how you do that
- 24 process. I could talk a little more about Section 7,
- 25 Section 3, all those issues later when it comes to that .

- 1 We also need to analyze the impacts of all
- 2 affected EJ communities, you know, not just the ones in an
- 3 arbitrary location around potential projects. We're looking
- at how those impacts go beyond that fence line area as well.
- 5 The D.C. Circuit rejected the practice of doing that in --
- 6 trying a FERC selection of a narrow two mile radius was
- 7 arbitrary when the proposed facility would have air quality
- 8 impacts beyond that range. So I mean we also want these to
- 9 be legally defensible.
- So there is good best practices in how to do
- 11 these. Other agencies have used, and FERC should adopt to
- 12 avoid those kinds of challenges. Finally, using a
- 13 combination of indicators and thresholds is vitally
- 14 important. Right now FERC is only looking at race and
- income. You're not looking at economic factors, associate
- 16 economic factors, environmental indicators, climate
- 17 vulnerability, health vulnerability indicators, and then of
- 18 course weighing community input.
- So I'll stop there, and I'm sure there will be a
- 20 lot more discussion to come, and I look forward to that.
- 21 Thank you.
- MS. MARTINEZ: Thank you very much. Our next
- 23 panelist is Dr. Beth Rose Middleton Manning, participating
- 24 virtually today. She is a Professor of Native American
- 25 Studies at UC Davis. Please go ahead Dr. Middleton Manning.

- DR. MIDDLETON MANNING: Good afternoon . Thank
- you so much for having me here today. I'm sorry I can't be
- 3 there in person. I'm speaking to you from UC Davis, and a
- 4 faculty member in Native American studies, and also serve as
- 5 Associate Director for Environment and Climate Justice for
- 6 our Institute of Environment.
- 7 My primary engagement with FERC is in looking at
- 8 the history of hydroelectric project permitting, and the
- 9 contemporary processes renewing those licenses and the
- unique and important thing, and I think about these licenses
- is that they extend 30 to 50 years, so they're very long in
- duration and much can change, much has changed socially and
- 13 politically in those time periods.
- So I primarily look at the west, and the ways in
- 15 which injustices are embedded in some of those licenses. I
- 16 work primarily with native tribes, and native non-profits in
- 17 California. Also doing some work in Alaska, Washington, and
- 18 other places. I work above upstream, across lands and power
- 19 on the river, which does a deep dive into the history of the
- 20 development of the hydroelectric facilities, and permitting
- 21 along the North Fork River and also touches on some of the
- 22 impacts on the -- River.
- But I think it's very important to recognize that
- the lack of participation, or lack of ability to
- 25 participate, the flooding of people's lands, the taking of

- their rights, the annihilation of culturally important
- 2 species, all of those processes were set in place when the
- 3 licenses were permitted 30 to 50 years ago, and they have
- 4 never been remediated, so people did not receive
- 5 restitution.
- 6 There are still dams without fish ladders as Amy
- 7 Cordalis mentioned earlier, and this is the case also in --
- 8 and in other places. I think it's very important to
- 9 recognize that those licenses for some of these
- 10 long-standing projects were developed under conditions of
- injustice, and if we don't analyze that and look very
- 12 carefully at the very specific impacts, then we continue to
- perpetuate that injustice with the decisions today.
- I can just give you a very brief example. I was
- working with a tribe in Northern California, or Eastern
- 16 California earlier this year. Their river was seized for
- 17 hydropower development, you could hear the power lines
- buzzing overhead, the tribal members I was visiting had
- 19 never been served by that power. It has only served to
- 20 disrupt their lives, and remove the fish and impact the eco
- 21 system.
- 22 They still didn't have power and were able to
- recently add solar, so they are very deep, embedded ongoing
- 24 impacts from historical permitting licensing processes that
- 25 have not been addressed. Thank you.

- MS. MARTINEZ: Thank you very much Dr. Middleton
- 2 Manning. Next we have with us Carolyn Nelson, Director of
- 3 Environmental Policy and Environment Justice, Environmental
- 4 Policy and Justice Division at the U.S. Department of
- 5 Transportation. Please go ahead.
- MS. NELSON: Thank you Brittney. Hello everyone.
- 7 I am delighted to be here today. Hello Chairman Phillips,
- 8 and Commissioner Clements. I do not have prepared remarks,
- 9 so introduction of myself. Carolyn Nelson. I work for as
- 10 the Director of Environmental Policy and Justice at PHMSA.
- 11 And I am also the Chair, the Co-Chair with DOE of the
- 12 Whitehouse Environmental Justice Agency Counsel NEPA
- 13 Committee, where I do have members of FERC as part of that
- 14 Committee, it's over about 130 federal agencies.
- 15 And we come together to talk about the initiative
- of advancing environmental justice throughout the
- 17 government, a whole of government approach for environmental
- 18 justice. But really looking at it in terms of how we look
- 19 at it from a NEPA perspective. So I am delighted to be here
- 20 today. I am thrilled to participate in this panel. I don't
- 21 have any prepared remarks, but I am taking many, many notes.
- I am quite proud of PHMSA as my division as well
- 23 as my position is really new to PHMSA. I had been with the
- federal government well over 20 years within working within
- NEPA and environmental justice and equity over about 30. I

- will say one thing that as we move forward with this
- 2 conversation it's important to note this administration is
- 3 really the first time that we have come together and said
- 4 from a federal position that the things we have done in the
- 5 past have been unjust.
- 6 And we have been giving a unique opportunity to
- 7 try and address those injustices with various executive
- 8 orders and the ability to really make some changes. But I
- 9 think one of the third things that we have to do is
- 10 understand the impacts that we have had on these communities
- on the last I don't know how many years. I have a deep
- 12 appreciation for environmental justice and NEPA, but I will
- 13 say NEPA has not always done it, neither has Title 6, and I
- 14 know there will be people that disagree.
- 15 But, NEPA was around for about 30 years before
- 16 the executive order on environmental justice, 12898 ever
- 17 came about in 1994. So something wasn't being done, and
- NEPA is a non-discriminatory process. However, NEPA was
- 19 also being used to take people's homes, lay down railroad
- 20 tracks, separate communities. You hear that term, those
- 21 people on the other side of the tracks, they were put there
- 22 by a federal agency.
- No community laid those railroad tracks. So, one
- of the first executive orders that was signed by President
- 25 Biden was 13985, which is addressing racial injustice. And

- it really was the first time the federal government stopped
- 2 and looked at what we were doing, and to direct a path of
- 3 how we could make things better.
- I am extremely proud of my organization with
- 5 PHMSA with creating my division department, the division of
- 6 Environmental Policy and Justice, to address the policy
- 7 issues of NEPA implementation, as well as environmental
- § justice to these communities.
- 9 And recognizing that we may need to look at doing
- things a little differently. In terms of cumulative
- 11 effects, I think that is very important. Part of my role as
- 12 a Co-Chair for the White House Inter Agency Council, we call
- 13 it the IAC NEPA Committee, is to develop an updated version
- 14 of something we have called a promising practice for EJ
- methodologies.
- It is a wonderful document, and we put it out in
- 17 2016. We are currently updating it now. And one of the
- 18 sections it will have is a section on cumulative affects
- 19 analysis. What does that mean? How do you do it? Why do
- 20 you do it? It will also include meaningful public
- involvement, another one of my areas.
- 22 And I've heard mentioned throughout the day today
- 23 public involvement, meaningful public involvement, and what
- 24 does that really mean. What I typically tell people
- 25 meaningful public involvement when you want to communicate,

- and I heard on one of the panelists to an environmental
- justice community, placing something in a docket or a
- 3 federal register is not meaningful public involvement. They
- 4 don't read it. I don't read it unless I have to.
- 5 So that is not an appropriate way to get in touch
- with a lot of underserved communities, some of them don't
- 7 have that type of literacy to even understand how to get to
- 8 a docket. So we have to go to the communities to understand
- 9 their needs, but to also understand their histories. And
- that's where I think we're as a federal agency that we're
- trying to get to because sometimes as with anything in life,
- we don't really want to hear the bad.
- We want to just let people know how we're going
- 14 to fix it. But how are you going to fix it if you don't
- understand what I'm dealing with now? I also heard her tell
- 16 how do we make those decisions sitting in our ivory towers
- in D.C.? And I absolutely agree. We need to talk to those
- 18 communities. My experience, having lived some of it, when I
- 19 tell people that you know, I'm being part of an EJ
- 20 community, they say you're not part of the EJ community. I
- 21 am. I'm just not part of the low-income part, but I am part
- of the minority part of an EJ community.
- So the experiences are different. I heard one
- 24 person say I have to go to a meeting, and people have
- literally told me I will come into a meeting, and I'm with

- several people that don't look like me, but they will come
- 2 to me. People want you to write down their name and
- 3 address, and they'll come to me, why do they want my
- 4 address? I'm not giving that.
- You know, it's uncomfortable. It's understanding
- 6 the community that you talk to is also part of the
- 7 meaningful public involvement. Not just saying hey, take
- 8 this piece of paper, give me your name and address. I heard
- 9 someone say that for an African American community, you're
- 10 not going to get it. So does that mean that you don't
- 11 listen to me? No.
- 12 And we need to understand that as we're moving
- 13 forward. So I haven't had prepared remarks. That is now I
- 14 am just introducing myself to the panel. I am quite frank,
- 15 so I definitely look forward to this conversation, and thank
- you all for having me here.
- MS. MARTINEZ: Thank you very much Ms. Nelson.
- 18 We will now begin with the question and answer sessions, but
- 19 before, just as a quick reminder, please avoid discussing
- any open, contested proceeding, or we may have to jump in
- 21 and ask you to avoid the ongoing proceeding and further
- 22 discussion. Now, to answer a question, please tip your name
- tent like so, and please turn your microphone on when you
- 24 are called on.
- 25 For virtual panelists, if you would like to

- answer a question please use the Zoom raise hand function.
- 2 The Chairman and Commissioners will take turns asking
- questions, roughly two to three questions per round, and
- 4 with any time remaining Commission staff may also ask a few
- 5 questions. I will now turn it over to Chairman Phillips to
- 6 start the Q and A.
- 7 CHAIRMAN PHILLIPS: Thank you Brittney. Thank
- you everybody for coming today. I have to say I was looking
- 9 forward to this panel because we're here to talk about
- identifying, avoiding, and addressing environmental
- injustice impacts. And I can tell you right now we need
- 12 some help with that.
- 13 And in particular, I want to talk for a moment
- 14 about cumulative impacts. What advice, and I know we've had
- 15 some high level comments. I know we've heard, I heard just
- 16 now we need a policy statements, things that that policy
- 17 statement could include will be methodology tools, selecting
- 18 comparison groups, seeing input, weighing, benefiting costs,
- 19 and all these things I agree, I mean I think we need to
- 20 consider these items in how we approach cumulative impacts,
- 21 but I want to drill down another level right.
- 22 So what specific advice would you give the
- 23 Commission? What specific advice would you give to
- 24 companies who actually have to do prefiling and submit an
- 25 application before the commission on how we can identify,

- 1 minimize, and hopefully avoid cumulative impacts, especially
- with regard to health impacts ourselves.
- MS. NELSON: Yes. Thank you. For me I think,
- and part of the reason why I love this panel is became in
- 5 NEPA there's a couple things that we don't do. One is look
- 6 at cost. Cost is a factor, but it is not a factor for
- 7 determining the affects you will have on the human and
- 8 natural environment. That is what NEPA is about.
- 9 So looking at cost is great, but I would
- definitely not recommend making a decision for what you need
- 11 to do based on cost because for the most part, most
- 12 communities that have been underserved over the years,
- that's why we haven't done something because it's too much
- 14 money, but it's typically too much money for a certain
- portion of the community.
- 16 So everyone is more used to direct and indirect
- 17 effects, but we really don't look at the cumulative effects
- 18 that we have to a community. So when you're drilling down,
- 19 obviously determining cumulative environmental consequences
- 20 of any action that we would have it requires eliminating the
- 21 cause and effect. The cause of and effect of the
- 22 relationship between whatever action that you're trying to
- do, and the community that it will impact.
- So to do that for example, many of these
- communities have been around from a transportation

- standpoint, highways came through in the 1940's, 1950's, and
- we split these communities in half. So, you know, there was
- 3 no notice of it then. There was a bulldozer in front of
- 4 your front yard when you woke up that next morning.
- 5 So, what a lot of these communities have done is
- to rebuild themselves around that destruction, and that's
- 7 really what it is was, that complete destruction of who they
- 8 were. They have rebuilt themselves. They have put in
- 9 little maybe coffee houses, or small things that's important
- 10 to them. So, when we go back out to their community and say
- 11 well hey, we're going to make this better with whatever
- action we're doing if you're like widening a road.
- But we're only going to take a portion of this
- 14 coffee house. But that seems minor to us. That's a major
- impact to that community because that's one of the things
- 16 that they use to rebuild themselves, or we may move only two
- 17 houses out of ten. When you look at it at a holistic policy
- 18 approach, and there's nothing wrong with the policy. I
- 19 think that's great.
- 20 But when you look at it strictly from a policy
- 21 approach of I'm only taking two of those ten homes, well you
- 22 know to those of us around the table, if you two are
- 23 babysitting for the rest of us, and you two are the ones
- that's being moved, that's a huge impact to the community,
- but you don't know that until you go to these communities

- and really talk to them and understand how they operate, how
- their livelihoods are.
- You cannot do a cumulative affects analysis
- 4 without looking at the past, and it being a bridge to the
- 5 present. That is what a CE -- I tend to use acronyms, a
- 6 cumulative effects analysis is all about, looking at the
- 7 past, and the effects, and addressing those, but in terms of
- 8 building a better future. Finding out from the community
- 9 what do you need?
- Well you know what? This baseball field that we
- use that you're kind of clipping, which it's minor, you've
- 12 minimized the effect of it. Instead of taking it, you've
- 13 clipped it. It still hurts my community because that's
- 14 where my kids are. But if you not only miss it, but maybe
- 15 expand it, or move it to a more beneficial location that
- would be helpful to us.
- So, I think the digging in is difficult because
- 18 it's going out to these communities and talking to them. I
- 19 spoke to a couple people in the room, and they're like we
- 20 have been asked to look at EJ stuff, but we've never done
- that before. I'm like yeah, that's probably me. Because I
- 22 want to know what is the impact that you're having on an EJ
- 23 community?
- We have pipelines in certain communities that --
- 25 and we're benefiting an entire community, but where the

- pipeline may be laid, those communities have no access to
- gas at all. So how are you benefitting them? It's not.
- 3 But we don't know that if we don't go out there and talk to
- the community somehow. Public involvement is not cheap.
- 5 It's really not.
- 6 Public involvement doesn't just mean going to
- 7 talk to people. To find out what your direct effect would
- 8 be, which is easy, we can all figure that out pretty good,
- 9 but understanding the history of what you're doing is
- 10 talking to the community, but you might have to look at
- opposite times of when we're used to going. It works best
- 12 for me to be here at this time today, great.
- 13 That's 8:00 to 5:00 for me. That may not work
- 14 well for a community. And I heard someone else say it. I
- 15 have childcare, I have this, I have that, you're not
- 16 providing me the transportation to get there, it's on the
- other side of town, because you don't want to come into our
- 18 community, or when I get there I have to eat and then I have
- 19 to run home and cook.
- It's understanding those things to the community.
- 21 Finding out how it fits them. So public involvement is a
- 22 big piece of that. And then actually understanding that
- 23 cause and effect relationship. Just looking at the direct
- 24 action, but the indirect action and what did we do
- 25 previously to this community? Understanding that. What

- have you done to me previously.
- 2 Look at your action in light of what has been
- 3 previously done to me, not just whatever policy you are
- 4 going to pay for, which is great, but what have you
- 5 previously done to me? Will it benefit me, or build on what
- 6 we have in place now that makes us hole, that makes us a
- 7 community.
- 8 You grow us from there, or you basically tear
- 9 down how we have rebuilt.
- MS. MARTINEZ: All right. I believe next was Mr.
- Huang, followed by Ms. Blake, Mr. Benyamin, and Dr.
- 12 Middleton Manning.
- MR. HUANG: I agree with a lot of what Carolyn
- 14 had said. You do also, I'm fixated on this policy
- 15 statement, but defining what these terms are right, and what
- 16 we mean by them, and making sure the EPA, Office of Research
- 17 Development recently issued a great report.
- I think Matt Tejada had been referring to it
- 19 earlier that defines two impacts as the totality of
- 20 exposures to calm the issuance of chemical and non-chemical
- 21 stressors, and their effect on health, well-being, and the
- 22 quality of life of an individual community or population, at
- a given point in time, or over a period of time, and the
- 24 historic piece to it too.
- 25 And also ways that cumulative impact assessment.

- 1 They call it the process of allowing both quantitative and
- qualitative data representing cumulative impacts to inform
- 3 your decision. So I think it's important to define these
- 4 terms, and I think FERC should do that. I got four
- 5 suggestions of course. I mean I kind of view these
- 6 questions -- the first is consider the interaction of
- 7 multiple pollutants on the health of an EJ community.
- 8 Cumulative impacts assessments have multiple
- 9 dimensions that we've mentioned earlier. Air pollutants,
- 10 like ozone, sulfur dioxide, particulate matter can do and
- interaction with other co-pollutants, synergistic and what
- 12 not, together causing health impacts more severe than would
- 13 be predicted by aggregating the independent impacts of each
- 14 pollutant.
- So, it's looking at individually polluting,
- 16 aggregating them, and looking at impacts and then
- disaggregating them again. Number two, fully consider the
- 18 cumulative environmental effects from other nearby projects
- 19 and facilities. So, not just looking at the one project
- that you're considering, how are the surrounding facilities
- 21 adding to that cumulative impact?
- 22 So, this is relevant particularly for
- 23 understanding cumulative impacts of many projects that are
- 24 already in overburdened communities, and projects across
- 25 multiple borders. For example, the effect of offered

- 1 projects, and other industry area may lead to pollution
- levels above max, for example, for particular communities,
- 3 and further exasperating their already disproportionate
- 4 adverse health effects in that community.
- 5 And the same is true for other environmental
- 6 impacts. A new project may cumulatively increase noise
- 7 pollution, safety hazards, and destruction of green spaces.
- 8 People have mentioned this earlier in other issues.
- 9 Three, is fully consider health effects from
- 10 pollution, their low thresholds. So I mean I think there's
- 11 a rebuttal presumption that if you don't see a violation --
- 12 and you see this in civil rights context too, of
- environmental standards then there can't possibly impact.
- 14 Cumulative impacts analysis fills in those gaps.
- 15 And actually look at like compliance with max alone, that
- 16 could be insufficient for determine whether there's an
- 17 adverse impact because criteria pollutants index are
- 18 non-threshold pollutants with health impacts. Even the
- 19 levels are below the permissible legal limits.
- 20 So EJ communities obviously are especially
- vulnerable to these impacts due to the existing health
- 22 disparities. And finally, and this was -- Carolyn had
- 23 mentioned this earlier too, is to consider the historical
- 24 dimension to cumulative impacts. I mean there's that over
- 25 time.

Page 176 So new projects are often sited in the same areas 2 as existing ones, and they compound environmental stressors 3 on the communities. And then, at least particularly relevant for LNG facilities, which are often located in the same area as one another. So I think those are four good starting points, and happy to talk more. MS. MARTINEZ: All right. I believe next we have 8 Mr. Benyamin. Thank you. Carolyn you kind of MR. BENYAMIN: 10 laid out the ground work for this conversation, and I really 11 appreciate the comments. So from just adding to the view 12 that we have at the public utility, the Commissioners, the 13 Chair asked a specific question, what can we do in order for 14 us to advance the justice and the equities of everything 15 that we're doing as we transition. 16 So I think Carolyn laid it out as far as what it 17 means for public outreach, and how would you make sure that 18 that's not checking the box and make sure that as agencies 19 moving forward we are doing a fully public -- generally for 20 us to not only look at the impacts that we are creating, but 21 we've also been living for over 100 years, 100 years, and 22 all of the impacts we have had, those imbalances happen as 23 we build infrastructure. 24 So I think specifically moving forward, you know,

25 the information can be very much involved in what public

- outreach should look like, and as was mentioned, just
- 2 putting a public notice out there and saying please come to
- 3 a public meeting to give your opinion to us, and if you
- 4 don't show up that means that you are not interested.
- 5 Somebody in some communities might have
- 6 difficulties with transportation, difficulties within
- 7 multiple jobs, and that doesn't count as a public outreach.
- 8 But from a lay perspective we have billions of dollars of
- 9 client based expenditures, you know, for us to be able to
- 10 transition to a renewable 100 percent energy storage,
- electric vehicle transportation, transmission.
- 12 All of these things that we're planning on, and I
- 13 think the Commission would be very much helpful when there's
- 14 some sort of a support on figuring out what the impacts are
- 15 going to be on the communities that don't have those
- 16 resources. We could help those communities have the tools
- 17 necessary for them to actually do a meaningful engagement of
- 18 what those projects are going to mean to them and their
- 19 communities.
- The other thing is the third regulation for the
- 21 policies should be very detailed as far as the roles and
- 22 responsibilities of their local communities. Like a comment
- 23 was made, one size doesn't fit all. That's a true statement
- 24 and one that environmental justice communities are extremely
- 25 impacted by certain activities that have happened in their

- 1 communities. And as we transition, that they are not given
- their share of the benefits that we are creating when it
- 3 comes to electric vehicle infrastructure, or other things
- that we were doing, and the investments that we were making.
- 5 The ability to be connected, you know, was
- working from home, or other things, as we're building the
- 7 infrastructure, how are we taking those impacts into the
- 8 communities that we have created in the past, and how are
- 9 you correcting it and moving forward? I think FERC could be
- 10 very helpful in describing the impacts, the way that
- 11 meaningful impacts should look like.
- We have went to national medieval energy lab, and
- 13 we had invested a lot of resources to learn how to do it
- 14 because we have been in the business for a long, long time,
- and I don't think that we could claim that we know how to do
- 16 that. Having an activities study, and lessons learned from
- 17 the past is something that we want to do first before we go
- up and declare that we are doing what's necessary.
- 19 I think the most damaging thing would be when
- 20 these policies are in use to just check the box and say that
- 21 we had done it, but in the meantime, we are building
- 22 communities. We are undermining the distribution of the
- 23 benefits to our impacted communities, and others, and I
- 24 think that's something that FERC could help do these
- 25 regulatory environmental data, so we make sure that we can

- do a better job as we move forward, so we can correct the
- 2 past, and also make sure that the future is balanced.
- MS. MARTINEZ: Thank you. Next we have Ms.
- 4 Blake.
- 5 MS. BLAKE: Thank you. I'm going to put on two
- 6 different hats to answer this question. The first hat I'm
- 7 going to put on is the policy hat. Interstate and
- 8 intrastate natural gas pipeline permitting processes is very
- 9 complex. It involves multiple agencies, different unique
- 10 citizens, and many, many different steps. These processes
- 11 are not very intuitive, so the way we look at FERC is as
- 12 this convening agency that brings all this together to make
- 13 a decision that, you know, serves both its you know, the
- 14 communities as well as the FERC.
- 15 And in the past couple of years all these
- 16 different agencies have been developing all kinds of ways to
- 17 address environmental justice. And so, throughout the
- 18 permitting process we're seeing more and more requests for
- 19 environmental justice assessments, whether it's an
- 20 implementing process, permits, through the department of
- 21 transportation.
- 22 So all of these requests are coming in from so
- 23 many different levels. And so our concern is we're
- 24 accustomed to find a way to balance what it is that they
- 25 want to do, at the same time take into consideration all the

- other requests that for the regulation community to address
- environmental justice, to ensure that whatever it is that
- 3 they develop is not duplicated, and adding on this
- 4 additional layer, or requirement for the regulated
- 5 community to prepare itself.
- 6 And then you want to take that and add a
- 7 non-technical part, as a scientist. So my background is
- 8 environmental health. Toxicologist with a focus on again,
- 9 public health. Cumulative impact assessments are the holy
- 10 grail for environmental justice. In order for us to be able
- 11 to understand the different things that communities are
- being burdened with, we have to make folks understand, you
- know, that the chemical companies, the biology companies, as
- 14 well as those pieces that pertain to quality of life, which
- is kind of really difficult to assess.
- 16 So, the methods are not quite there. I think
- 17 this is how I would answer that question is the scientific
- 18 community is looking at it, different agencies are looking
- 19 at it. Cities are passing different regulations trying to
- 20 impress the cumulative impact question.
- So, I'm not sure how FERC see's their role in
- 22 this overall process. I think having a more in depth
- 23 discussion around cumulative impacts would really be
- 24 beneficial, really helpful to working in new spaces, and
- 25 having a really in-depth conversation and understanding what

- 1 everybody else is working on, and where the gaps that FERC
- 2 can then take to fill.
- And so that's a great way to answer.
- 4 MS. MARTINEZ: Thank you Ms. Blake. Next we
- 5 have Dr. Middleton Manning, followed by Ms. Dorsey.
- DR. MIDDLETON MANNING: Thank you. I have three
- 7 quick points in response to that question, and I am
- 8 primarily focusing in on the FERC hydroelectric processes
- 9 for licenses and relicenses. So I'm very interested and
- 10 think it's very important to look at the values and
- 11 assumptions that are going into the initial license What
- was the goal, who was it even important to talk to?
- 13 What impacts was it deemed important to address?
- 14 And then address the gaps. So for example, on a project I'm
- working on in Alaska, was licensed years ago. There was no
- 16 environmental mitigation, no folks in the community to
- 17 comment on the project. And so today, looking at that
- 18 project, and doing the restoration work, requires attention
- 19 to the fact that these interests were left out before, how
- 20 are they addressed in the contemporary process in
- 21 permitting?
- 22 Something possibly not being recorded also,
- 23 because it wasn't -- at the time the process, the project
- 24 was initially developed to look at and address those
- 25 impacts. It doesn't mean those impacts aren't there because

- they were documented at that time. So how do we get kind
- of, unearth that history that was impacted as we develop a
- 3 present project, and this relates well to Carolyn's point
- 4 around deep listening, and recognizing the layers of impacts
- over time, which also speaks to cumulative impact
- 6 assessment.
- Also, on the hidden impacts, another example
- 8 might be drawn from Kari Norgaard's work on the Klamouth
- 9 working with the travel members like Ron Reed, looking at
- 10 the impacts of the dams and the decimation of the salmon
- 11 population on people's health, on the food that they have
- 12 available, and this is an issue that affects all subsistence
- 13 populations. So when some of these projects are permitted,
- 14 subsistence, quality of life, water quality and people
- moving are not thought of.
- 16 Third, pathways to impact the process. I think
- 17 someone else mentioned that these are not intuitive
- 18 processes. I have worked with communities who had struggled
- 19 to participate in FERC relicensing proceedings, just to be
- 20 able to enter the process.
- I appreciate that there's a lot of thought now I
- 22 think and across agencies, and particularly hearing it from
- 23 EPA in terms of trying to make it more possible for
- 24 communities that are most impacted to access the funds and
- 25 processes that are available to support the drastic impacts.

Page 183 So I hope the process can be more accessible to 2 those most impacted. 3 MS. DORSEY: I just want to bring up an 4 additional point about cumulative impacts, and I appreciate 5 Uni's points on from an applicant's perspective, the multi-layers of agency evaluations that we go through. Not 7 only from the federal agency side, we may have three federal agencies we're working on for an actual project application. 10 We also, across on the state line we have 11 multiple states, and as well as the local communities, 12 county agencies have their own requirement, so as an 13 applicant we are balancing all the needs of these 14 stakeholders at the same time. And we do have to bring all 15 of that together. 16 I want to bring up a very practical point on 17 cumulative impacts, but the issue of colocation. 18 past the FERC has had a past preference for co-locating 19 facilities, pipelines, and for those of you who may not be 20 familiar, but if there's a pipeline corridor with three 21 pipelines already there, and we need to have another one, there's been a cost preference or a utility corridor. 22 23 There's been a past preference where there's an 24 existing corridor. You don't need as much land, you're not 25 impacting as many new landowners or new issues, new culture

- resources, nor wildlife, nor any of those other
- environmental resources. You're not impacting those
- 3 additionally as much. So the preference has been to put new
- 4 pipeline through that existing utility corridor in the past.
- However, now when you think of the added need, or
- the need to address cumulative impacts, we have to balance
- okay, should we co-locate the facility, or put the facility
- 8 or pipeline in a brand new area where we'll need much more
- 9 land requirements. We may be impacting different wildlife,
- different vegetation, different cultural resources, new land
- owners.
- So I don't have the answer, but as we address
- 13 ways to better identify our methods to evaluate cumulative
- 14 impacts, the FERC needs to understand this dilemma in terms
- of routing, and how as a from an applicant perspective, how
- 16 we're weighing all the considerations of all the agencies,
- 17 needs of stakeholders and the landowners. Thank you.
- 18 CHAIRMAN PHILLIPS: Thank you all for the
- 19 thoughtful responses. This is something that I think other
- 20 panelists mentioned earlier, we're not going to get to these
- 21 solutions, you know, overnight. So I think that this is
- 22 helpful that we can hear, you know, your input and your
- 23 advice.
- 24 Another thing I want your input on is community
- 25 benefits. We've heard a lot today from people saying you

- 1 know, I need this, I need that, you know. You hear a lot of
- different things from a lot of different people. I'm
- 3 curious though from you all, what role do you think
- 4 community benefits can play, or should play in this final
- 5 analysis of impacts?
- MS. MARTINEZ: Ms. Nelson go ahead.
- 7 MS. NELSON: Okay. So I think benefits are
- 8 important, and I'm not sure if you're talking about from if
- 9 you're doing anything in the environment you should be doing
- 10 some form of NEPA analysis. When you have an adverse
- 11 effect, and I'm looking at this. I would say Federal
- 12 Highway has a wonderful environmental justice impact
- 13 analysis because people don't understand an adverse effect
- 14 is different from a disproportionately high and adverse
- 15 effect, which gets to what you were saying.
- You can't compare the affects to me, to affects
- 17 to another minority low-income population and say aw,
- 18 there's no issue because that's not right. Are they
- 19 benefiting from this action? So, when you're looking at
- 20 benefits within a NEPA analysis, they can't be used to
- 21 offset your adverse effects, but those benefits are not what
- 22 we as governmental officials think that they should be. The
- 23 benefits may actually be from talking to the community
- 24 because that's something that they've been left out of the
- NEPA process for so long. And they may tell you typically

- shading is great. You know, most low-income minority
- low-income underserved communities there's not a lot of
- 3 trees. But if there are trees, and you talk to this
- 4 community for example, and they're tell you, well you know,
- bus services is terrible, and you know, my wife works late,
- 6 she has to get home, and walk to the bus, you know, walk
- 7 home from work. We don't have a car.
- 8 Please don't give them more trees. That's not
- 9 what they need. They need lights, you know, lighting is
- what they would need. And I think a lot of the issues are
- 11 when these communities ask for these benefits, you may or
- may not be in a position to help them. The benefit to them
- 13 may be we need a closer bus stop. I don't regulate transit,
- 14 but that means we need to have them at the table with us to
- see what can we do to benefit this community?
- It may not be something that it is 100 percent
- within our jurisdiction, but when you talk to the
- 18 communities they will tell you what they need. Another
- thing that you don't typically see in underserved
- 20 communities, sidewalks. And we don't think about it
- 21 because they're typically in our community, but try walking
- 22 through an underserved low income minority population or
- 23 community. There are no sidewalks.
- So you have kids standing there waiting to get on
- 25 the bus. They're pretty much standing in dirt, or gravel,

- or near the street, and you know, with unregulated speed
- limits. So sidewalks may be something that's beneficial to
- 3 the community, but again, we're not building this as part of
- 4 what we're looking at in terms of adverse effects of
- 5 mitigation.
- 6 Mitigation for us is you know, if you have a 12
- foot lane, you know, we won't impact your yard because we're
- 8 bringing it down to 11. Yeah, I don't care if you bring it
- 9 out 14, give me a sidewalk. That's not part of what we're
- 10 looking at because it's money. So we have to be ready when
- 11 we say we want to look at how to address the benefits of the
- 12 community. One, don't guess. I mean as a -- my background
- 13 is in design, geometric design engineer, so yes, I'm a
- 14 genius. I think I can tell you what you need, but I really
- 15 can't. I don't know.
- They need to tell me what's needed. And I can
- 17 almost guarantee you it can be included in the design plan.
- 18 I have design plans myself that would miss every major house
- over \$500,000.00 even if I had to put in a curb, that I
- 20 wouldn't put in somewhere else, where we would just go
- 21 straight through our community.
- It can be done, but we have to be willing to put
- 23 the funding to give them what they want, and then again,
- 24 going back to community outreach, which can be expensive,
- 25 talking to them to find out what their actual needs are.

- 1 And it may be something where, you know, you want to expand
- the coffee house I mentioned earlier.
- Oh well, that's not really part of our project.
- 4 Why did you ask me what I want? Because that may be
- 5 something that we need, and when you provide these needs to
- the community, it can offset your adverse effects of
- 7 something that you may be doing, because they're telling you
- 8 that this is what they want, and you're including it into
- 9 the NEPA process.
- 10 And the NEPA process is all about full
- disclosure. They're asking for it. You should -- I should
- 12 be putting it in that document. They asked for it and we
- 13 said no. Or they asked for it, and we did it. But playing
- 14 the benefit of doing it, find out from the community what
- 15 they want, not what we want to give them, or what we have
- 16 for funding to give them, so be careful what you ask for.
- 17 Hope that helps.
- MS. MARTINEZ: Thank you. Next Mr. Benyamin.
- 19 MR. BENYAMIN: Yes. I'm in line with the same
- 20 modernization that what I would approach it with is the rate
- 21 making process as we take the transition that we're going
- 22 through as a utility, and the billions of dollars that we're
- 23 investing. The default thinking is those investments are on
- 24 the back, and actually distributed across the rate base, so
- 25 everybody pays for those investments that we're making.

- But when you go on the benefits side, there was a
- disproportionate amount of benefits that the different
- 3 segments of the population, you know, get a benefit from
- 4 those investments that we're making. So I think from a rate
- 5 making perspective to build on Carolyn's comment, is that
- 6 you really need to know your community, and you need to know
- 7 the investments that we're making, and who is
- 8 disproportionately benefitting from it, and make sure that
- 9 as you are making the rates, that we don't burden those
- 10 communities that have no direct benefits from those
- 11 investments yet.
- 12 And they're paying it the funding for those
- projects that we're bringing in, so that goes to the
- 14 incentive for electrifying the classification segment. You
- 15 know, incentives for installing solar, and storage in our
- 16 communities, incentives for accessing the communication
- 17 efforts that we will lease out to the communities. These
- 18 are all areas where we need to be extremely sensitive to the
- 19 investments and the cost of benefits, and how we're issuing
- those processes.
- MS. MARTINEZ: Thank you. Next Ms. Blake.
- 22 MS. BLAKE: Yes. Thank you. Thank you for the
- 23 question. Moving it into the regulating entity that I spoke
- 24 to earlier, whatever we do we really have to be thoughtful
- 25 to the grid, and targeted about it, and whatever solution we

- 1 put in there, be it benefit agreements, or putting in
- benefit plans, we cannot create a plan of action, we have to
- 3 collaborate with community and work with them, and
- 4 understand what their priorities are, and what it is that
- 5 they need.
- I think we've spoken to that. So, at API
- 7 something that we've been thinking about is we're in the
- 8 process of creating voluntary environmental justice
- 9 framework, as a way for us to advance environmental justice
- 10 again. So this framework is specifically designed to look at
- 11 some of the risks of maturities that you know, we have in
- 12 terms of where our operations of our processes intersect
- with community's vulnerabilities.
- 14 So the aspects of the framework, what we will
- 15 want to think about, these tools and methods to identify
- 16 communities, we'll also look at how we do these local
- investments, and this is a topic that you know, we're
- 18 currently engaged in, trying to understand it a little bit
- 19 better. But at the same time, you know, me trying to look
- 20 ahead, is thinking that we could not try and make these
- 21 benefits restrictive for the simple reason that again,
- 22 communities have different priorities, and different things
- that they are thinking about.
- 24 And whatever benefits we develop or think through
- 25 have to be fit for service, they have to match the needs of

- the specific community. Again, it needs to be spaces, and
- 2 so depending on what you identify through the community as
- yulnerability of ways to intersect with that vulnerability
- 4 from the regulated community, is where you want the focus to
- 5 be.
- And so, in thinking about it is again, it's not
- one of these decisions that should be made -- and we are
- 8 again looking forward to working with FERC as we navigate
- 9 through this space.
- MS. MARTINEZ: Thank you. And next we have Dr.
- 11 Middleton Manning.
- DR. MIDDLETON MANNING: Thank you. Just to point
- 13 out the community benefits point. One is recognizing and
- 14 addressing the harm from past projects. As I mentioned many
- 15 times it was previously no mitigation, so how might that be
- 16 addressed, and the fish ladders we added, wildlife passage,
- 17 et cetera.
- 18 It came through the fact that addressing impacts
- 19 on cultural resources in particular, those are not a one
- 20 exchange. You can't just remove one area, or take away one
- 21 place and replace it with another. There's a thoughtful
- 22 engagement with community members that's important to have
- 23 around the value of a particular place.
- 24 And I appreciated what Carolyn brought up around
- 25 being able to reroute a project to protect, for example, and

- 1 your point was that a certain home value, but thinking about
- 2 rerouting a project in order to protect our culturally
- important place, rerouting a project in a way that values
- 4 and respects, tribal sovereignty, and cultural values.
- Also, the people that brought up the access
- 6 issue, access to the services generated in the past, and in
- 7 contemporary times that has been an issue which communities
- face the burden of the productions, but don't have access to
- 9 what is generated.
- 10 Also, recognizing differences in opinion that
- 11 live within communities. The community is not a monolithic
- 12 entity, and the importance of erring on the side of
- 13 protection and justice. Thank you.
- 14 CHAIRMAN PHILLIPS: All right. I'm going to hold
- 15 the last couple questions I have for the end to give my
- 16 colleague, Commissioner Clements, an opportunity to speak.
- 17 COMMISSIONER CLEMENTS: Thank you. Thanks all
- 18 for this input. I wanted to follow-up on the cumulative
- 19 impacts discussion, and earlier in the previous panel Mr.
- 20 Tejada talked about the template from a health assessment,
- that we're not starting from scratch. This isn't a totally
- 22 new concept. And then Al, you laid out four places to
- 23 start. We are expecting the EPA report, the updates of
- 24 promising practice on cumulative impacts. SEQ has put out a
- 25 draft guide, and things aren't changing, right, they're

- 1 influx.
- 2 So in this time of change and uncertainty, what
- 3 part can we not necessarily be sure about, but where do we
- start on this? If let's say we can't wrap it all up in a
- 5 bow, and understand holistically at step one, the A plus
- 6 version of cumulative impacts assessment, looking forward
- 7 forever. Where do we start? What can we do?
- 8 Are the things that you suggested doable now, and
- 9 defensible? And then the second part of the question is
- whose responsibility is it to provide the data that goes
- into the assessment? In a FERC framework, where you have an
- 12 applicant come in for approval of an infrastructure project.
- 13 Is it FERC staff's -- if there's a template or a process
- 14 that we do, is it our agency's responsibility to do that?
- Do applicants bring that assessment to us, or the
- 16 inputs to it? I'm just curious on thoughts there.
- MR. HUANG: It's a very thoughtful question. I
- 18 think, you know, I agree there's a lot happening in the
- 19 field of cumulative impacts, not just at a federal level,
- 20 but a state, local, it's been mentioned earlier. At the
- 21 very least, I mean the beginning it's identifying what those
- 22 impacts are. I mean what we do with them is there's many
- 23 steps to the cumulative impacts. And a lot of it requires
- 24 data collection, which kind of gets your second question
- 25 too.

Page 194 So I mean, one piece for sure that FERC could be 2 engaged in is describing what those impacts are. And 3 entering them into the record, and having a process in which you're identifying. This speaks to a lot of the environmental justice issues that we talked about earlier, and articulating them, and quantifying them. And I think the presence of more information, 8 more data is certainly is an important part of any decision making process, and I agree that there are you know, changes 10 happening. But there's also states, and there's a long 11 history of doing cumulative impact analysis within NEPA, 12 other states have been doing as well. 13 So you're not totally out in the middle of 14 nowhere in the wilderness. There are scientifically backed, 15 you know, processes that are being used by other 16 jurisdictions currently, I mean, although the federal 17 government is still trying to figure out what it's primary 18 approach would be. So the second question, I mean it's a 19 dual responsibility. 20 I think as we talked about earlier, the community 21 has a lot of the answers to these questions about -- I mean 22 it should be that the onus isn't on any one person, but the 23 community's bring a lot to that. And as I was mentioning in 24 my initial remarks, I mean that early engagement, that

25

commitment, that foundational commitment to engaging,

- building trust with the communities, will help to build the
- foundation answering a lot of the questions. They know what
- 3 the cumulative impacts are.
- They know what the historic situation is, and the
- 5 permit teams often know too because they've been involved,
- 6 in as just was mentioned here you know, many facilities,
- 7 sometimes on the same -- they's not reclaiming the wheel
- 8 too. And then of course, FERC brings its own expertise as
- 9 well.
- So, I mean I think it's a collaborative job.
- Doctor, you said I do believe that the permit team, and the
- 12 resources available to the permit team, and the one that has
- 13 the highest knowledge about the project, they should play a
- 14 key role in that process of data collection, presenting
- that, and the community being the other part, and making
- 16 sure that the their experience matches kind of what the
- other parties bring to the table.
- MS. MARTINEZ: Ms. Nelson?
- MS. NELSON: Oh. Thank you. So I guess I'm
- $20\,$ going to aim for the second part. I think I'll aim toward
- 21 the second part. I'm not disagreeing with what was said,
- 22 but just a little bit. Your second question was whose
- 23 responsibility? In my assessment it is the federal agency's
- 24 responsibility to let your applicants know what are your
- 25 expectations.

Page 196 You have to set that as a federal agency. As you 2 know, at PHMSA, previously at Federal Highway, when we did 3 environmental justice analyses, part of that is to identify and address over the last 30 some years since EJ has been out, we've gotten really pretty good at identifying from a federal agency standpoint, but we haven't done a lot with 7 the address part. And I think people forget that part. They like to forget it's in the executive order, but it is there. So 10 it is up to the federal agency to send whatever back to 11 whomever is applying, to identify and address. We have to 12 set the standard prior to the policy that you're talking 13 about of saying this is what we're looking for in the 14 application for what you need for this community. 15 Now we don't know the community. I don't know 16 all of the communities, but this is what I am looking for 17 that you're bringing it to me. And I'll give you an 18 example, at this point in time we have a generational 19 investment of funding in the transportation system with 20 BILL, Bipartisan Infrastructure Law, so a lot of federal 21 agencies have BILL Grant programs, as does PHMSA, but part 22 of that is to address Justice 40. 23 Justice 40 is it doesn't necessarily do anything, 24 but it's looking at climate change, the changes, and taking 25 40 percent of federal funds, making sure it goes directly to

- these communities. That's not EJ. EJ is basically saying
- 2 let's look at adverse impacts. That's what EJ does. The
- 3 whole of government approach with equity includes Justice
- 4 40, which is are you making sure if you're getting response,
- s as we're getting this funding from a federal perspective, it
- 6 is going directly to these communities. I'm not sure.
- 7 That's one of the things we need to find out.
- 8 That's part of looking at the fact that we cannot go -- it
- 9 is impossible for a federal agency to go out and address
- 10 every hurt, harm that we have done, and in a lot of cases
- 11 sometimes we may even continue to do, but there is a place
- 12 to start. Looking at your funding isn't going to go those
- 13 communities that are most in need.
- 14 That is something that we can do, but we -- the
- 15 federal agencies need to say these are the things that we're
- 16 looking for. We're looking for you to identify the
- 17 community and address how either the funding will get to
- them, or they will be benefited from this pot of money
- 19 that's been given to us, and you know, it identifies how
- 20 we're helping the communities in terms of our Justice 40
- 21 needs.
- 22 So identify and address, looking at Justice 40.
- 23 I will say a couple other things. CEQ has out a document
- 24 called cumulative impacts analysis, and it's kind of what we
- used to help federal agencies understand accumulative

- 1 affects analysis. It is relatively it's an older document,
- but it still standard because for the most part, and I heard
- it said throughout the day, it is impossible, and you can
- 4 quote me on this, to actually identify affects, and most
- 5 affects in an EJ community without having a little bit of
- 6 accumulative affects analysis.
- 7 It's impossible. It's done, but it's not
- 8 accurate. CEQ has something out, and then also last year at
- 9 the National Environmental Justice Conference 2020, myself,
- Denise Freeman from DEO, my co-chair for the IAC White House
- 11 Committee, as well as Joe Marmalano from CEQ. The three of
- us did a panel on how to do accumulative affects analysis.
- 13 It was hugely popular, and I think it is reported, and is on
- 14 the website for the national environmental justice
- 15 conference website, wherever that is.
- 16 But we actually did our workshop was on
- 17 accumulative affects analysis in EJ communities. It is very
- 18 specific, but it did look at NEPA, it didn't necessarily
- 19 look at planning, or any other pieces. It looks at
- 20 environmental justice, NEPA, and accumulative effects
- 21 analysis.
- There's like eight things you need to look at,
- 23 and there's three sections of defining the scope, addressing
- the community, and looking at the environmental
- 25 consequences, and then from there you need to look at eight

- different things. So that is out there something that
- people can use. It might be on CEQ's website, but I know
- 3 it's with the National Environmental Justice Council's
- 4 information. That may be helpful, so.
- 5 MS. MARTINEZ: Thank you. Next we have Dr.
- 6 Middleton Manning, followed by Ms. Dorsey.
- 7 DR. MIDDLETON MANNING: Thank you. I think I can
- 8 follow well on that, and just note the importance of
- 9 funding, providing funding in the community for committee
- 10 members to document the impacts that they know best. And as
- 11 an academic, and other communities work and mentor students
- in our first generation and from many impacted communities,
- 13 I think we can also play a role in supporting, elevating and
- 14 centering community voices on the impacts they face on a
- daily basis. Than you.
- MS. MARTINEZ: Thanks.
- MS. DORSEY: We all had some really good
- 18 comments, but I wanted to build on a comment I think from
- 19 Carolyn and Al on guidance, particularly now because a lot
- 20 of things are changing. Commissioner Clements, you
- 21 mentioned that promising practice. That guidance is
- 22 changing, or being updated, and so from the applicant
- 23 perspective we would like to have some guidance from FERC as
- 24 to what the current expectation is, even right now.
- Pointing to the current FERC guidance manual for

- 1 environmental report preparation, the current version is
- 2 2017, the version before that was 2002, that clearly needs
- 3 to be updated, but I know that we're waiting because their
- 4 other guidelines are being updated, and new regulations are
- 5 being updated, so we're kind of in a transition point right
- 6 now.
- 7 So perhaps the way we can manage clear
- 8 expectations and guidelines right now is perhaps FERC can
- 9 publish something in the interim, and clear state it's an
- interim guideline until these other publications are final.
- 11 That would really help from applicant perspective, and
- 12 provide us expectations on what we need to start with
- because right now the way that the application process works
- 14 is we provide what we think is expected, and then we get
- data requests, and it's an iterative approach.
- 16 So it would be better so that we can predict what
- we need to provide to FERC, that we have some interim
- 18 quidance out there that we can rely on. Thank you.
- 19 COMMISSIONER CLEMENTS: That's all for me. Thank
- you very much.
- 21 MS. MARTINEZ: Chairman Phillips, I'll give it
- 22 back to you.
- CHAIRMAN PHILLIPS: All right. We just have a
- few minutes left, and so I think I do want to ask my
- questions. I'm going to ask my questions. So, we've heard

- a lot about, you know, doing as much as we can, contacting
- 2 communities as early as we can, and so I want advice, and it
- 3 can just be quick advice, not a long answer.
- 4 How can applicants, how can the Commission
- 5 identify EJ community members and leaders. I've asked this
- question of every panel, and everybody says you've got to
- 7 talk to the community. Right? That's great. I can say
- 8 that. I know that. I've worked on projects before, but how
- 9 do you do it, if you don't know how to do it, how do you do
- 10 it? Do you have any advice to give us?
- MS. NELSON: We'll start from this one. Yes. So
- 12 that's a great question, wonderful question. And I hate to
- 13 start out with a lawyer answer, but it depends on your
- 14 community I will say. If you are going to a community where
- 15 your action is in, let's say for example, an African
- 16 American community, what I would tend to recommend is you
- may be able to talk to your local -- your maybe --
- 18 religious leaders.
- 19 You want to knock on doors. As you would know
- 20 you're not going to get very far. You have to go to
- 21 wherever the trust is in the community, but you have to
- 22 understand the functions of that community. I can't speak
- 23 for the other communities, and I will let them say like I
- 24 heard earlier if it's a Native American population, I have
- 25 had people come to me and say well we can't, you know we

- talk to them but they won't come to the meeting.
- Well are you talking to the elders in that
- 3 community? No. We don't know who they are. Well you need
- to start there because that's who the community will listen
- 5 to. Go to the group that the community listens to, and then
- 6 make sure that the information is like the community, I
- 7 don't even want to name communities.
- 8 African-American communities, if you go to my
- 9 church and I hear it from my pastor, I'm more than likely
- 10 going to listen to it more. But find out what is in the
- 11 community that will make them stand up and listen, or you
- may have to go there. When politicians are running to
- 13 office, when they go to the African American community
- 14 they're at the church, and we have to listen to it, whether
- we want to or not.
- 16 They invest where they are because they know
- 17 that's where the voice is.
- 18 CHAIRMAN PHILLIPS: So you would say our best
- 19 practice would be start with faith based.
- MS. NELSON: For an African
- 21 American community yes. If it's from a minority community
- 22 that's maybe low income, or something like that. What is
- the community doing to try to help these kids? And it may
- 24 be the schools. It may be sending something home to
- 25 schools, or giving it to the schools for the kids.

- Another thing with the low-income populations
- that don't go to meetings and you want to get their
- 3 attention, put something on their utility bill. If you see
- 4 anything red in your utility bill, it's going to grab your
- 5 attention immediately and you're going to read it. What is
- 6 that. Because it's you know, you don't want to scare people
- 7 to death, you don't want to give them heart attacks.
- But you know, maybe not red, maybe blue, yellow,
- 9 you know, but not red. But you know, stick something in
- their utility bill if you're really trying to get to them,
- we really want you to come out and then give them, you know,
- they'll give you transportation there, or you're going to do
- 13 something close to them. That's how you really get to the
- 14 community.
- 15 And I heard earlier, don't go talk to people that
- 16 I'm the leader of the community, self-proclaimed. You want
- 17 to get to the people of the community, yes, because that is
- 18 who is going to tell you the effects that you need.
- 19 CHAIRMAN PHILLIPS: excellent.
- 20 MR. HUANG: A lot has been said about this
- 21 already. I just want to kind of emphasize again when you
- 22 heard from panel number two, there is an amazingly rich
- 23 environmental justice network community out there.
- 24 Networks, on the issue areas, around different projects, I
- 25 mean they're there. They're easy to find, many of them are

- here today.
- And so, I think you know, and part of engaging
- 3 with that group more is engaging in OPP. And it's are you
- 4 investing, I think Shalanda said it earlier. It's the
- 5 investment that you're putting into that outreach, which is
- 6 going to bear the fruit of more interaction.
- 7 So I mean, I would again that there was a lot
- 8 there, and folks are connected, they're networked, they talk
- 9 to each other, and really I mean that is to me the best
- 10 starting point. Obviously on the oversight too there is a
- 11 lot of tools available, right, on data base tools, and I
- 12 know FERC has experimented and used in some situations EJ
- screen, the EPA tool.
- There are new tools that are being created that
- 15 climate economic justice screening tool. Some states have
- 16 their own tools, those are all other tools that can be used
- 17 to, and some are better -- they all have pros and cons, but
- 18 we should consider them, especially in the multi-state
- 19 projects, currently.
- 20 And again, there's no substitution for that
- 21 investment in that outreach piece, and also plugging into
- 22 the diverse, rich environmental justice community that's out
- there. Thank you.
- 24 CHAIRMAN PHILLIPS: Thank you thank you. We now
- 25 have to close it out.

Page 205 MS. MARTINEZ: One more. Dr. Middletown. CHAIRMAN PHILLIPS: One minute. One minute. 3 DR. MIDDLETOWN MANNING. Perfect. I'll be super brief. Showing up at that community event, being out there, 5 and tabling social media, and Amy Cordalis mentioned earlier the importance of the government to the relationship, that 7 engagement, and we're working in an area with non-federally 8 recognized tribes, which amount to the negative non-profits, thank you. 10 CHAIRMAN PHILLIPS: That was worth it. That was 11 a good one. Commissioner Clements any final thoughts? 12 COMMISSIONER CLEMENTS: I'm good. Thank you very 13 much for coming today. Thanks for the input. 14 CHAIRMAN PHILLIPS: All right. I want to thank 15 everybody. I do have just a couple things to say before we 16 qo. We've heard a lot today, especially a lot about the 17 Commission, and our votes, and what we do, and what we 18 approve. 19 And there's a lot of confusion, I think, and 20 really just concern about the fact that we unanimously 21 approve projects. And we're a quasi-judicial body, and a 22 lot of it is the fidelity to the law that applies to FERC 23 that we have to approve things that are brought to us, and 24 they fit within that law, and they're in accordance with our 25 precedent, our hands are tied. And so I think there wasn't

- 1 much said about that, but that is a point that I think that
- 2 needs to be made in this space when you're talking about
- 3 environmental justice, equity and permitting.
- 4 That is a part of the job of FERC, and as much as
- 5 whether you like it or not. That is something that we are
- 6 required to do. What's also been said is that much of what
- 7 we heard today is non-jurisdictional to FERC. That doesn't
- 8 mean that it's not important. It doesn't mean that we can't
- 9 encourage, and I'd love to hear more about -- we heard about
- volunteer programs regarding community benefits.
- But I think what's helpful here is that everybody
- 12 that heard the words of everybody today got an education.
- 13 We learned a little bit more about what we can do better,
- 14 that includes me. That includes the Commission, that
- includes companies, applicants. I think we have more work
- 16 to do, and so I have my notes. I'm going to take them back
- 17 and get with my team and get to work, but I want you to know
- 18 that my commitment to these issues, each Commissioner has to
- 19 make a public interest determination themselves on every
- 20 single thing that we decide
- 21 Environmental justice has always and will be a
- 22 part of my public interest determination. I just want to
- 23 help us create a pathway forward that everybody can respect,
- understand, and leads to legally durable decisions, so with
- 25 that, thank you all for your time. We are adjourned. No

- we're not. Oh, Commissioner Danly, would you like to say
- 2 anything before we close?
- 3 COMMISSIONER DANLY: Actually I did, but I sort
- 4 of planned to be here, one of the concerns was it was
- 5 4:49:40 that clearly there was regional tension on a
- variety of subjects today, but everything that we do has to
- ⁷ be stated on the record, and upon the legal standards that
- 8 are articulated, both in our organic statutes and
- 9 Administrative Procedure Act.
- And so the extent to which anybody who has
- 11 participated today, or who watched and is taking inspiration
- 12 from it, one thing in particular in our proceedings, most
- 13 interveners who participate in our dockets, they must have
- 14 the evidence they want to marshal their defensive of their
- petition, and it happens on the record.
- And so, I simply wanted to make that call, that I
- 17 always do for people that participate, knowing well that
- 18 there are limited resources, and people are pulled in a lot
- 19 of different directions. Every petition we make is on
- 20 record evidence, and if we stray from that, absolutely
- 21 requiring the court to remand the order to eventually come
- 22 out. That was the one point that I wanted to make. Thank
- 23 you Mr. Chairman. I appreciate everybody's participation.
- 24 CHAIRMAN PHILLIPS: And that will be the final
- word. Thank you.

Roundtable on Environmental Justice and Equity in Infrastructure Permitting - March 29, 2023

```
Page 208
1
                   (Whereupon the Technical Conference concluded at
2
     3:32 p.m.)
3
4
5
8
10
11
12
13
15
16
17
18
19
20
21
22
23
24
25
```

```
Page 209
                  CERTIFICATE OF OFFICIAL REPORTER
3
                This is to certify that the attached proceeding
    before the FEDERAL ENERGY REGULATORY COMMISSION in the
5
    Matter of:
                Name of Proceeding:
                Roundtable on Environmental Justice and Equity in
                Infrastructure Permitting
10
11
12
13
15
                Docket No.: AD23-5-000
16
                             Washington, DC
                Place:
17
                             Wednesday, March 29, 2023
                Date:
18
    was held as herein appears, and that this is the original
19
    transcript thereof for the file of the Federal Energy
20
    Regulatory Commission, and is a full correct transcription
21
    of the proceedings.
22
23
                               Charles Hardy
25
                                Official Reporter
```

Roundtable on Environmental Justice and Equity in Infrastructure Permitting - March 29, 2023

A
a.m 1:13 5:2
abbreviated 147:15
ability 6:22 65:17 74:6
78:24 79:10,15 100:15
103:3 148:14 161:24
103:3 148:14 161:24 164:8 178:5
able 13:23 38:18 52:12
57:5 59:4 70:5 71:2
76:2 78:16 79:24 80:5
80:21 114:23 116:2,4
116:16 120:18 121:22
122:4 139:10 140:5,18
156:8 157:18 158:6 162:22 177:9 180:10
182:20 191:25 201:17
absence 150:9
absolutely 17:7 31:21 75:13 82:12 83:13
84:11 166:17 207:20
abuses 36:11
academic 151:22 199:11
accelerate 91:21
accept 50:13 104:10
116:8
acceptance 156:21
accepting 98:8 104:13
access 8:10 45:19 62:7
64:8,10,11,16,16 81:19
81:20 87:20 96:19
98:15 123:17 139:17 144:19 172:1 182:24
192:5,6,8 accessibility 24:5 25:1
accessible 38:25 55:12
131:13 183:1
accessing 189:16
accompany 106:9
accomplish 70:7
account 26:12 72:13,14
72:15 109:2
accountability 6:1 148:10
153:25 157:4,16
accountable 13:20 35:9
47:1
Accounting 54:24
accumulative 64:1
197:25 198:6,12,17,20
accurate 156:11 198:8 accustomed 96:25 179:24
actistomed 96:25 179:24 achieve 67:22
acknowledge 35:16
acknowledged 102:10
140:25 141:1
acknowledgement 54:5
acknowledging 141:3

```
146:3
acquire 36:7 96:20
acquiring 18:18,20
acronym 15:5
acronyms 171:5
act 2:17 19:19 23:22,22
  32:24 33:5,11 36:21
  50:24 51:14,17 89:10
  141:19,19 207:9
acting 72:5
action 3:7 9:13 12:14
  24:10 29:11 30:10
  32:15 57:25 90:22,23
  90:24 91:4,4 92:4 94:1
  127:3 132:13 169:20,22
  170:12 172:24,24 173:2
  185:19 190:2 201:15
actions 6:11,20 8:7,9 10:8
  12:4 13:3 27:23 42:19
  98:14 148:12
active 29:17
actively 157:20
activities 24:7,7 177:25
  178:16
actor 70:19
actual 24:18 25:21 64:22
  73:22 134:14 183:8
  187:25
AD23-5-000 1:4 7:6
  209:15
add 55:25 69:21 80:16,18
  84:18 85:1 89:8 105:22
  134:23 162:23 180:6
added 184:5 191:16
adding 64:1 77:25 102:19
  174:21 176:11 180:3
addition 37:25 73:16
  77:22 109:6 122:8
  144:17 154:19
additional 31:4 74:25
  82:24 154:21 155:6
  180:4 183:4
additionally 184:3
address 6:24 27:23 29:1
  40:5 129:21 130:2,4
  148:16 158:5 164:7
  165:6 167:3,4,8 179:17
  180:1 181:13,14,24
  184:6,12 187:11 196:4
  196:7,11,22 197:9,17
  197:22
addressed 32:7 39:16
  80:1 162:25 181:20
  191:16
addressing 3:16 8:4 23:1
  43:20 59:9 147:17
```

```
148:21 164:25 168:10
  171:7 191:14.18 198:23
adequate 36:4 58:17
  59:11,20 143:3
adjourned 206:25
adjudicatory 58:5
adjustment 40:4
administration 105:12
  164:2
administrative 155:21
  207.9
Administrator 2:23 44:1
admit 12:2 54:3
admitted 112:3
adopt 156:22 160:11
adopted 36:1
advance 13:9 21:17 23:22
  24:25 96:7 98:17
  154:20 176:14 190:9
advanced 16:8
advancing 2:7 21:11,15
  24:3 163:16
advantages 156:10
adversaries 123:2
adverse 12:1 56:12
  148:24 156:18 175:4,17
  185:10,13,14,21 187:4
  188:6 197:2
advice 48:13 168:14,22
  168:23 184:23 201:2,3
  201:10
Advisor 3:24 22:17 150:2
  150:12
advisory 29:16 42:13
advocacy 155:21
Advocate 3:12 98:23
Affairs 2:21 40:18
affect 135:8 159:14
afford 8:11 49:14
affordability 28:8 38:1
affordable 8:15 38:25
African 131:23 167:9
  201:15 202:13,20
African-American 202:8
afro 118:15
afternoon 5:15 44:22
  92:7 103:12 129:5
  147:19 149:19 150:5,10
  152:12 161:1
agencies 50:12 107:21
  109:9 114:16 121:9
  125:8 126:12 131:20
  150:21 153:24 154:22
  155:1 160:11 163:14
  176:18 179:9,16 180:18
  182:22 183:8,12 184:16
```

```
196:21 197:15,25
agency 2:22 12:19 14:6
  24:10,17 44:2 45:2 73:2
  73:14 88:14 101:10,17
  102:11,16 109:14
  163:12 164:22 165:12
  166:10 179:12 183:6,7
  196:1,6,10 197:9
agency's 193:14 195:23
agents 130:17
aggregating 174:13,16
aging 43:1
ago 11:18 49:1 51:18
  57:9 99:10 131:9 162:3
  181:15
agree 8:14 54:7 59:25
  82:9,21 166:17 168:19
  173:13 193:18 194:9
agreement 36:10 140:12
agreements 25:18,19,20
  36:3 82:1 89:21 190:1
ahead 7:16 12:22 22:7
  27:11 29:25 33:1 37:12
  40:18 44:2 50:10 77:8
  87:7 92:5 95:23 102:24
  137:10 149:17 150:4
  152:11 155:14 160:25
  163:5 185:6 190:20
aim 195:20,20
air 32:19 42:22 51:14,17
  63:23 88:3 93:22 95:17
  107:9 119:12 126:15
  129:25 134:25 160:7
  174:9
air-monitoring 42:23
airport 19:11
airshed 93:19
akin 84:14
Akrovd 136:24
Al 4:3 155:12 192:22
  199:19
Alabama 8:1 84:1
alarm 5:20 148:4
Alaska 161:17 181:15
alert 108:5,7
algorithms 78:10
align 151:10
alike 88:17
alive 94:23
alleviated 88:24
alley 99:19 102:10
allies 123:2
Allison 2:4
allocate 157:18
allocated 29:12
allow 102:8 142:23
```

		1	
allowed 106:11	110:1 195:2	appropriate 109:3 166:5	69:21 77:13 110:6
allowing 45:24 150:25	answers 12:3 45:8,12	appropriately 91:23	119:17 120:6 123:15
174:1	65:14,14 66:3,4 76:3	appropriations 50:24	134:2 168:2 188:11
allows 38:11	126:24,25 127:1 194:21	approval 31:3 98:9 141:2	asks 74:21
alongside 56:10	antibiotics 118:22	193:12	ASL 6:4
alter 36:12 81:5	anxious 12:3	approvals 36:2	aspect 79:3
alternative 158:4	anybody 59:15 112:1	approve 89:18 133:17	aspects 77:23 190:14
alternatives 156:17	122:16,16 207:10	205:18,21,23	asphalt 83:22
158:10,11	anymore 136:16	approved 88:24 90:8	assassination 68:9
amazingly 203:22	anyway 135:8	97:11 99:15 132:24	assert 34:25
ambitious 37:24	apart 15:25 99:12	159:8	asserters 137:18
America 1:1 153:3,13	API 150:13,13,17 151:10	approving 35:22 107:22	assess 41:16 78:24 80:21
America's 24:24	151:14 190:6	138:3	91:22 134:19 180:15
American 3:23 4:6 41:2	apologizing 150:8	approximately 153:4,9	assessing 42:2 78:16
131:20 150:3,12 160:24	apparent 87:24	153:16	assessment 36:17 43:10
161:4 167:9 201:16,24	Appeals 91:10	April 68:9	80:11,18 91:6 121:23
202:13,21	appear 58:15	Aram 3:21 149:14,22	157:14 173:25 182:6
Americans 84:7 131:23	appears 209:18	arbiters 113:17	192:20 193:6,11,15
amount 9:4 108:12 189:2	applaud 145:24	arbitrary 160:3,7	195:23
205:8	applicant 73:9,19 154:25	arcane 146:24	assessments 35:24 36:4
ample 58:19	155:6 183:13 184:15	architecture 24:17 72:18	41:24 77:22 78:22 79:1
Amy 3:9 95:22,24 162:6	193:12 199:22 200:11	73:5	79:6,9,16 88:20 121:19
205:5	applicant's 183:5	area 31:14 34:22 52:16	157:2 174:8 179:19
analogize 72:24	applicants 41:11 43:11	59:13 99:18 106:20	180:9
analyses 156:23 196:3	57:20 148:23 193:15	107:12 116:22 134:19	assist 7:11 16:16
analysis 77:19 78:12,20	195:24 201:4 206:15	160:4 175:1 176:5	assistance 3:4 16:18 86:6
88:12,15 90:6 91:11	application 24:21 73:8	184:8 191:20 205:7	Assistant 2:23 44:1
122:5,8 141:16,19	141:2 153:8 154:14,18	areas 43:6,7 79:25 85:5,6	assisting 156:11
156:14,24 157:6 158:1	157:15 158:4 168:25	107:9 153:14 165:21	associate 160:15 161:5
158:20 165:19 171:3,6	183:9 196:14 200:13	176:1 189:18 203:24	associated 9:4 152:16
175:14 185:5,10,13,20	applications 35:22 48:14	argue 75:17	154:11
194:11 197:24 198:1,6	58:2	argument 143:16	assumptions 75:11
198:12,17,21	applied 159:9	Armstrong 3:5 87:5,7,8	181:11
analyze 160:1 162:11	applies 205:22	92:2 113:20,21 120:3,4	assurance 36:12
analyzed 46:20	apply 153:7	122:11	assure 11:23
ancestors 99:4,11 102:5,6	applying 154:5 196:11	arsenal 23:24	assuring 33:8
anchor 33:12	appointed 27:20,22	Arthur 3:7 11:16 51:18	asthma 107:11 118:7
Angeles 3:21 149:15	appointees 46:13	92:4,10 93:13,19	atmosphere 90:9
angry 130:24	appreciate 10:21,23	111:11 112:20 121:3	attached 209:3
Anna 106:21	11:17 14:3 21:7 101:15	125:5,11,23 126:17	attacks 203:7
annihilated 97:18	137:12 154:16 155:4	127:5,11,14 135:4	attempt 6:20 148:13
annihilation 162:1	176:11 182:21 183:4	Arthur's 43:1 92:10	attempts 6:23 89:25
announced 9:22	207:23	127:11	148:15
announcement 128:24	appreciated 191:24	articulated 207:8	attend 10:24 119:6
announcements 128:7,11	appreciating 71:3	articulating 194:6	attention 80:9 104:20
annual 139:19	appreciation 164:12	artificial 159:16	108:6 181:18 203:3,5
answer 22:3 37:5 47:12	apprenticeship 43:3	artificially 158:25	attorney 4:4 93:24 95:25
47:13,17,22 65:12,17	62:16	asked 6:19 7:1 38:20	155:12
65:24 66:16 72:17	approach 37:18 38:2	66:25 68:3 77:25 84:4	Attorney-Advisor 2:11
74:21 86:16 95:3 110:5	41:15 43:11 143:23	86:24 105:14 111:24	3:20 5:4 147:21
110:7 113:15 114:24	154:6,7 156:17 163:17	126:15 127:4,17,17	attract 62:14
126:13,20 127:2 134:3	168:20 170:18,21	148:19 149:8 171:20	audience 6:23 30:19 47:2
149:3 167:18,22 168:1	188:20 194:18 197:3	176:13 188:12,13 201:5	100:8 132:4 148:16
179:6 180:17 181:3	200:15	asking 8:20 26:3 35:20,24	audience's 6:22 148:14
184:12 201:3,13	approaches 24:12	47:19 52:21 54:18 55:2	audio 6:5,7
answering 34:5 37:8	approaching 22:21	65:13,16 67:13 68:4	August 119:14
		00.10,10 07.13 00.7	1145450 117.11
	<u> </u>	<u> </u>	<u> </u>

authentic 122:1
authoritative 109:4
authority 73:16
automatically 90:2
available 6:7,9 7:10 61:8
147:11 148:1 151:25
182:12,25 195:12
204:11
average 94:12 139:19
avoid 6:19 48:21,22
61:20,20 86:24 148:24
149:8 158:25 160:12
167:19,21 169:1
avoiding 3:16 147:17
148:21 168:10
aw 185:17
aware 49:2 147:8
awareness 71:2
B
habies 133.3

babies 133:3 **baby** 119:14,18 babysitters 129:10 babysitting 170:23 back 9:25 13:12 21:8 31:23 33:19,20 51:3 53:14 66:16 73:19 75:12 76:14 79:20 81:20 85:15,19 86:4 88:25 106:10 120:5 121:23,24 122:6 124:4 127:8,18 130:12 132:21 133:4 134:8 138:23 147:3,19 149:24 156:1 170:10 187:24 188:24 196:10 200:22 206:16 back-up 132:4 **backed** 194:14 **background** 112:4 151:7 180:7 187:12 backyard 132:24 **bad** 46:21 71:20 72:5 82:20 127:24 142:11 166:12 bag 122:15 baked 37:22 71:7 Baker 2:12 22:4,7,8,15 27:8 55:8,20,22 57:13 63:9,11 65:6 67:1 70:15 72:7,8 74:1 Baker's 57:17 **balance** 101:14 144:2 179:24 184:6 **balanced** 34:7 179:2 balancing 183:13

mentar sustice and Equ
ballgame 19:17
Baltimore 69:15 101:24
bankrupted 69:8
bankrupts 69:10
banks 87:20
banner 118:15
bar-b-que 95:11
barrier 130:8
barriers 20:11 42:6,7
91:7 128:17 hass 17:22 65:10 188:24
base 17:22 65:19 188:24 204:11
baseball 106:16 129:4
171:10
based 17:10,18 18:7 29:5
29:14 32:16,17 33:6
34:16,16 36:2 38:11,24
49:8,9 60:14 66:10
78:23 96:19 154:8
169:11 177:9 202:19
baseline 50:24 73:23
156:11
basic 54:5
basically 113:1 173:8
197:1
basics 33:19
basis 32:10 119:21 154:5
158:3 199:15
battery 39:8
bear 28:21 61:3 204:6
Beard 3:7 92:3,5,6,9
95:21 111:1,2 113:19
121:1 124:23 125:1,9
132:15 134:7,8 beautiful 122:23
bed 138:23
beginning 13:17 39:23
48:22 93:2 137:15
145:17 193:21
begins 54:23 behavior 6:25 71:20
148:18
beholden 76:15
beings 93:10
believe 10:18 43:16,18
44:14,14 47:25 88:7
93:1 95:8 103:3 115:12
137:24 156:2,22 173:10
176:7 195:11
believed 115:11
believer 111:6
belonged 92:18
Ben 2:16 29:24 63:10
101:23 113:8
beneficial 171:15 180:24
107.2

187:2

benefit 32:5 61:25 66:15 75:16,21 82:1 155:7 173:5 186:12,15 188:14 189:3 190:1,2
benefited 197:18 benefiting 168:18 171:25 185:19
benefits 23:9 24:13,15,22 25:3,5,10,12,15,16,17 25:18,20,25 61:15,19 61:24 63:15,16 65:3 73:1 75:21 96:24 157:24 178:2,23 184:25 185:4,7,20,21,23 186:11 187:11 189:1,2 189:10,19 190:21,24
191:13 206:10
benefitting 172:2 189:8 Benyamin 3:21 149:14 149:17,18,22 150:1 173:11 176:8,9 188:18 188:19
55:2 85:3 90:6 160:4,8 Bi 141:20 bias 34:19,23 59:16 biases 58:1 Biden 101:20 164:25 big 20:4 36:24 67:4,5,6,6 67:8,9 116:18 172:22 bigger 76:22 136:8 biggest 66:12 bill 84:6 196:20,21 203:3 203:4,10 Billie 101:25

billion 90:11 111:12
153:16
billionaires 19:16
billions 41:1 177:8 188:22
biology 180:13
bipartisan 23:21 101:1
196:20
birthday 99:7 118:10,12
118:16,18 119:4,6,8
bit 8:22 15:8 33:19 34:14
45:9 53:25 57:8 64:19
92:17 105:22 124:23 138:10 190:18 195:22
198:5 206:13
BJ 12:15
black 68:17,18 69:3 84:8
87:11 107:4,13 108:17
109:16 116:23 117:14
127:15 129:22 130:10
131:5 159:5
blacks 87:19 Blake 3:23 150:2,4,5,11
152:8 173:11 179:4,5
181:4 189:21,22
blaze 45:3
blind 137:2
block 158:22 159:4,6,8
blocks 126:4
blowing 135:17
blows 81:23 blue 65:8 111:21 203:8
board 65:5 159:11
boards 92:15
body 35:10 55:11 61:7
76:17,20 90:7 119:13
205:21
boggles 134:15
bolden 83:21
bonafide 126:3 bones 113:6
bono 55:14
boots 130:25
border 95:14
borders 174:25
born 69:11 92:10
borne 22:23 84:19,20
Boston 9:19 bought 118:15 121:16
bounds 76:16
bow 193:5
box 13:19 64:18 70:6
125:13 141:10,10,11,14
176:18 178:20
boys 67:7,8 106:3 109:13
109:14,16 121:17

ball 106:14

brave 75:19 brave yes yes yes yes yes yes yes yes yes ye		1	1	1
Dravery 46-9,13 52:7 break 516,181 85-23 86:17 115:20 118:19 147:13 break fist 105:5 122:17 breaths 32:20 88:9 93:20 137:1 breakfist 105:5 122:17 breaths 32:20 88:9 93:20 137:1 breakfist 105:5 122:17 breaths 32:20 88:9 93:20 137:1 breakfist 105:5 122:17 breaths 32:20 88:9 93:20 137:1 breathing 95:17 bridge 19:11 127:7 13:8 briefly 61:23 134:8 briefly 61:23 134:9 briefly 61:	brand 107:14 184:8	105:9 138:14 142:22,23	capable 78:11	CEQ's 199:2
break 5:16,18,18 85:23 bullet 13:14 bunch 66:12 burden 14:3 28:22 78:3 soreaffsat 105:5 122:17 bridge 19:11 127:7 133:8 threathing 95:17 bridge 19:11 127:7 133:8 threathing 95:17 bridge 19:11 127:7 133:8 bring 55:21 48:5 51:22 burden 18:29 192:2 (sore 18:19 17:25 buse 18:59 9 12:2 (sore 18:19 19:12 127:20 117:10,15 threathing 95:12 threathing 95:12 buse 18:59				
86:17 115:20 118:19 174:13 174:14 175:20 18:19 174:13 174:14 174				
147:13 breatha 32:20 88:3 93:20 137:1 breatha 32:20 88:3 93:20 137:1 bridg 19:11 1277: 133:8 171:4 brief 54:19 152:24 162:14 205:4 briefly 61:23 134:8 bring 25:21 48:5 51:22 173:25 100:41 04:1 112:17,20 117:10,15 121:7,20 117:10,15 121:7,133:1,41,61 187:8 193:15 194:23 195:17 bring 98:15 21:5 43:4 79:13 85:6 135:11 187:8 189:13 196:17 bring 98:15 11:20 118:20 179:12 195:8 Britteny 3:18 147:20 118:21 191:24 191:5 broaden 52:19 broaden 52:19 broaden 52:19 broaden 52:19 broaden 52:19 broaden 52:19 brown 68:10 84:9 116:24 118:18 191:29, 114 128:11 191:24 191:25 205:23 205:23 108:61 23:13 108:62 2,33,24 24:19 46:7 55:5 86:25 88:5 105:16,17 120:10 138:7 159:19 2018 86:11 109:20 148:97:13 195:1 build and 34:13 35:3 100:17 build and 34:13 35:3 100:18 build and 34:13 35:3 100:17 build and 34:13 35:3 100:17 build and 34:13 35:3 100:18 build and 34:13 35:3 100:19 100:19 100:10 1				
breakfast 105:5 122:17 breath 32:20 88:3 93:20 137:1 breathing 95:17 breathing 95:17 breathing 95:17 breathing 95:17 breathing 95:17 breathing 95:17 bridge 19:11 127:7 133:8 171:4 bridge 19:11 127:7 133:8 171:4 bridge 19:11 127:7 133:8 171:4 bridge 19:11 127:7 133:8 bring 25:21 48:5 51:22 buses 135:9 buses 135:9 buses 135:9 buses 135:9 busines 575:9,10 96:6 112:17:20 117:10,15 121:7 133:4 134:23 136:1 137:22 151:2,22 138:33,14,16 187:8 193:15 194:23 195:17 bringing 81:15 19:2,3 47:18 87:1 187:8 189:13 196:17 bringing 81:15 12:5 43:4 bring 25:11 12:0 138:20 179:12 195:8 Britmey 318 147:20 152:12 163:6 168:7 broaden 52:19 broad 8:11 strong 48:10 122:15 broaden 52:19 broaden 52:19 broadly 107:7 brother 126:7 brown 68:10 84:9 116:24 171:4 122:15 brown 88:10 84:9 116:24 171:4 122:15 brown 88:10 84:9 116:24 171:4 122:15 brown 88:10 84:9 116:24 171:4 122:15 brown 91:9 19:19 18 26:14 37:6 33:12 47:15 60:21 63:3 132 (27:16 131:22 2 (27:18 83:2) 131:6 133:2 12 47:15 60:21 63:4 137:2 131:6 133:2 12 47:15 60:21 63:4 137:2 131:6 133:2 12 47:15 60:22 63:23 70:20 79:21 83:4 115:5 132:1 131:6 133:2 12 47:15 60:23 63:23 70:20 79:22 83:4 115:5 132:1 131:6 133:2 12 47:15 60:23 63:23 70:20 79:21 83:4 115:5 132:1 131:6 133:2 12 47:15 60:23 63:23 70:20 79:21 83:4 115:5 132:1 131:6 133:2 12 47:15 60:23 63:23 70:20 79:21 83:4 115:5 132:1 131:6 133:12 47:15 60:23 63:23 70:20 79:21 83:4 115:5 132:1 131:6 133:12 47:15 60:24 63:43 13:5 13:15 131:6 133:12 47:15 131:6 133:12 47:15 60:24 63:43 13:5 13:15 131:6 133:15 13:15 131:6 133:12 47:15 131:6 133:15 131:6 133:15 131:6 133:12 47:15 131:6 133:12 47:15 131:6 133:12 47:15 131:6 133:13 13:15 131:6				•
Dreath 32:20 88:3 93:20				
137:1 breathing 95:17 bridge 19:11 127:7 133:8 171:4 bridge 19:11 127:7 133:8 18:56,613,25 bus 18:55,613,25 bus 135:19 bus 19:53-67,79:14 112:17,201 171:01,15 121:17,33:4 134:23 bis 139:15 19:123 133:4 134:23 bis 15:9 bus 15:19 bus 15:		80:12 94:17 159:22	capitalists 84:16	194:8
breathing 95:17	breathe 32:20 88:3 93:20	189:9 192:8	captioning 6:4	certificate 15:5 36:1
bridge 19:11 127:7 133:8 burdens 22:23 23:9 64:1 burial 31:12 Cardiovascular 107:12 cardiova	137:1	burdened 63:25 77:14	capturing 81:16	89:19 209:1
171:4 brief54:19 152:24 bus 186:5,6, 13,25 buses 135:9 buses 135:9 busines 75:9,10 96:6 176:13 176:	breathing 95:17	86:11 159:22 180:12	car 186:7	certificates 36:6
brieff 54:19 152:24 buss 136:5,6,13,25 buss 135:19 business 136:1 137:25 151:2,22 183:3,14,16 187:8 193:15 194:23 195:17 bringing 8:15 21:5 43:4 79:1,3 85:6 135:11 149:10 busy 43:18 89:22 121:18 busing 135:19 busy 43:18 89:22 121:18 busying 18:24 buzzing 162:18 buzzing 162:19 broaden 52:19 broaden 52:19 broaden 52:19 broaden 52:19 brown 68:10 84:9 116:24 177:14 122:15 brown 68:10 84:9 116:24 177:14 122:15 build 15:16 16:5 18:11 19:19 20:18 26:14 33:6 33:12 41:19 22:12 22:18 33:19 23:19 20:22 22:23 38:11 13:24 16:13 17:24 46:7 55:5 86:25 88:5 16:14 167:24 197:24 41:19 20:22 20:22 23:38 17:24 46:7 55:5 66:22 20:22 20:22 23:38 10:11 20:24 20:22 20:	bridge 19:11 127:7 133:8	burdens 22:23 23:9 64:1	carbon 37:23,25	certify 209:3
162:14 205:4 briefly 61:23 134:8 busier 135:19 business 75:9,10 96:6 112:62:23 187:8 care 105:8 125:10 126:22 126:23 187:8 care 105:8 125:10 126:22 127:15, 16, 17 care 105:20 13:13 176:13 136:14 17:12 132:14 194:15 135:6, 17.17 149:10 1	171:4	burial 31:12	Carci 119:2,11	cetera 55:2,16 191:17
briefly 61:23 134:8 bring 25:21 48:5 51:22 73:25 100:4 104:1 112:17.20 117:10,15 121:7 133:4 134:23 136:1 137:25 151:2,22 183:3,14,16 187:8 193:15 194:23 195:14 businesses 8:16 23:18 63:6 140:14 businesses 9:10 businesses 8:16 23:18 63:6 140:14 businesses 9:10 63:6 140:14	brief 54:19 152:24	bus 186:5,6,13,25	cardiovascular 107:12	Chair 27:16 33:2 89:1
bring 25:21 48:5 51:22	162:14 205:4	buses 135:9	cards 49:23 132:5	150:5 151:4 163:11
73:25 100:4 104:1 111:6,8 140:11,21 143:15 153:67, 178:14 businesses 8:16 23:18 63:6 140:14 businesses 8:16 23:18 63:6 140:12 16:15 businesses 8:16 23:18 63:6 140:12 16:15 businesses 8:16 23:18 63:6 140:14 businesses 8:16 24:11 63:3 70:14 10:5 11:13 62:14 63:6 140:14 businesses 8:16 23:18 63:6 140:14 businesses 8:16 24:11 63:3 70:14 10:5 141:12 62:15 62:18 62:18	briefly 61:23 134:8	busier 135:19	care 105:8 125:10 126:22	176:13
112:17,20 117:10,15	bring 25:21 48:5 51:22	business 75:9,10 96:6	126:23 187:8	Chairman 2:2 7:15,16,17
121:7 133:4 134:23 136:1 137:25 151:2,22 183:3,14,16 187:8 193:15 194:23 195:17 149:10 149:10 187:8 189:13 196:17 187:18 189:18 147:20 187:8 189:13 196:17 187:18 189:18 147:20 187:8 189:18 147:20	73:25 100:4 104:1	111:6,8 140:11,21	careful 188:16	8:4 9:11 10:20 11:1,3
121:7 133:4 134:23 136:1 137:25 151:2,22 183:3,14,16 187:8 193:15 194:23 195:17 149:10 149:10 187:8 189:13 196:17 187:18 189:18 147:20 187:8 189:13 196:17 187:18 189:18 147:20 187:8 189:18 147:20	112:17,20 117:10,15		carefully 162:12	*
136:1 137:25 151:2,22 183:3,14,16 187:8 193:15 194:23 195:17 149:10 191:24 199:19 173:13 175:22 176:9,16 47:22,24 49:23 54:4 47:18 toutlot 21:23 47:18 87:1 191:24 199:19 191:24 199:19 191:24 199:19 191:24 199:19 191:24 199:19 191:24 199:19 191:24 199:19 191:24 199:19 191:24 199:19 191:24 199:19 191:24 199:19 191:24 199:19 191:24 199:19 191:24 199:19 191:24 199:19 191:24 199:19 191:24 199:19 191:24 199:19 191:24 199:19 191:24 192:3 13:11 191:24 192:5 191:24 191:24 191:24 191:24 191:25 191:24 191:24 191:24 191:24 191:25 191:24 191:24 191:24 191:25 191:24 191:24 191:24 191:25 191:24 191:24 191:24 191:24 191:25 191:24 191:24 191:24 191:24 191:25 191:24 191:24 191:24 191:24 191:24 191:24 191:24 191:25 191:24		businesses 8:16 23:18		
183:3,14,16 187:8 199:13 195:17			O .	
193:15 194:23 195:17				
bringing 8:15 21:5 43:4 79:1,3 85:6 135:11 187:8 189:13 196:17 brings 98:5 111:20 142:14 brings 98:5 111:20 142:14 broaden 52:19 broadly 107:7 brother 126:7 brothers 67:5,6,9 92:18 brought 9:19 99:5 101:24 108:6 120:8 121:1 132:14 191:24 192:5 205:23 brown 68:10 84:9 116:24 trit; 4 191:24 192:5 brown 68:10 84:9 116:24 trit; 4 122:15 brings 98:23 18:24 brown 68:10 84:9 116:24 trit; 4 122:15 brown 68:10 84:9 116:24 trit; 4 122:15 brown 68:10 84:9 116:24 trit; 4 122:15 brown 68:10 84:9 116:24 trit; 4 121:15 bring 98:23 23:24 trit; 4 191:24 192:5 205:23 trit; 4 121:15 bring 98:8 22:121:18 death of the state of		button 21:23 47:18 87:1		
Post	bringing 8:15 21:5 43:4	149:10	Carolyn's 182:3 189:5	-
187:8 189:13 196:17 brings 98:5 111:20 142:14 buying 18:24 buying 18:24 buzzing 162:18 142:14 cars 135:13 137:6,11 140:23 144:3 150:23 152:19 163:7 150:23 152:19 163:7 150:23 152:19 163:7 150:23 152:19 163:7 150:23 152:19 163:7 150:23 152:19 163:7 150:23 152:19 163:7 170:10 9:21 189:5 101:24 28:6,13 29:1 58:4,9 29:10 148:7,18 143:18 60:21 19:10 138:2 159:2 139:22 20:218 203:19 204:24 205:2,10,14 207:23,24 Chairman's 41:6 Causus 10:5:10 17:10 20:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21 10:21	0 0	buttress 79:17	•	
brings 98:5 111:20 118:20 179:12 195:8 Brittney 3:18 147:20 152:12 163:6 168:7 broad 8:11 broaden 52:19 broadly 107:7 brother 126:7 brothers 67:5,6,9 92:18 brought 9:19 99:5 101:24 108:6 120:8 121:1 132:14 191:24 192:5 205:23 brown 68:10 84:9 116:24 117:1,4 122:15 Brownsville 31:7 111:15 build 15:16 16:5 18:11 19:19 20:18 26:14 33:6 34:11 42:18 43:18 60:23 68:23 70:20 79:21 85:4 115:5 152:1 152:5 173:5 176:23 189:5 195:1 199:18 building 5:22,23,24 24:19 41:9 102:21 109:20 148:7,7,8 156:7,7 171:8 178:6,21 187:3 195:1 build 0at 34:13 35:3 100:17 built 18:15 19:2,9,14 142:14 buying 18:24 care 83:22 case 83:3 81:1,1,4,5 82:22 94:25 125:14 150:23 58:25 77:16 96:21 197:10 Catherine 31:16 Caucus 3:5 87:6,8 caught 132:22 case 169:2,1,21 172:23 cause 169:2,2,1 172:23 cause 169:2,2,1 172:23 cause 19:66:21 197:10 Catherine 31:16 Cacc Cause 3:5 87:6,8 caught 132:22 cause 169:2,2,1 24:40 cause 169:2,2 172:4 cause 19:9:0,2 172:23 cause 19:2,2 172:23 cause 19:2,2 172:23 cause 19:6:21 197:10 Catherine 31:16 Caucus 3:5 87:6,8 caught 132:22 cause 19:2,2 172:4 cause 169:2,2 172:4 cause 169:2,2 172:4 cause 1	*			
118:20 179:12 195:8 Brittney 3:18 147:20	brings 98:5 111:20	· ·	•	
Brittney 3:18 147:20 152:12 163:6 168:7	_	buying 18:24	carve 83:22	
152:12 163:6 168:7	Brittney 3:18 147:20		case 35:3 81:1,1,4,5	· · · · · · · · · · · · · · · · · · ·
broad 8:11 C 154:5,5 162:7 168:2,5,7 184:18 168:2,5,7 184:18 192:14 200:21,23 168:2,5,7 184:18 192:14 200:21,23 168:2,5,7 184:18 192:14 200:21,23 202:18 203:19 204:24 <				
broaden 52:19 C 5:1 80:2 cases 8:14 17:23 58:25 192:14 200:21,23 brother 126:7 Calculating 120:23 Catherine 31:16 Catherine 31:16 Caucus 3:5 87:6,8 Chairman's 41:6 Chailenge 50:21 76:22,22 102:4 Chailenge 50:21 76:22,22 Chailenge 50:21 76:22,22 Causes 107:5 Causes 107:5 Causes 107:5 Causes 107:5 Causes 107:5 Ceclebrate 119:6 Ceclebrate 119:6 Ceclebrate 119:6 Ceclebrate 119:6 Center 3:11 98:22 159:4,4,6,7 49:18 71:21 75:18 80:25 81:8,10,22 82:23 116:12 Chailenge 5:22 176:22,22 Chailenge 5:21 76:22,22 Chailenge 5:21 76:22,22 Chailenge 5:21 76:22,22 Ceclebrate 119:6 Ceclebrate 119:6 <t< td=""><td></td><td>C</td><td></td><td></td></t<>		C		
broadly 107:7 Cajun 95:13 77:16 96:21 197:10 202:18 203:19 204:24 brothers 67:5,6,9 92:18 California 2:14 27:10,19 Caucus 3:5 87:6,8 Chairman's 41:6 brought 9:19 99:5 101:24 28:6,13 29:1 58:4,9 28:6,13 29:1 58:4,9 caught 132:22 challenge 50:21 76:22,22 108:6 120:8 121:1 162:15,16 cause 169:21,21 172:23 cause 169:21,21 172:23 challenged 51:1 54:4 brown 68:10 84:9 116:24 46:7 55:5 86:25 88:5 105:16,17 120:10 138:7 Cecil 99:5 challenged 51:1 54:4 brown 58:10 84:9 116:24 46:7 55:5 86:25 88:5 105:16,17 120:10 138:7 Cecil 99:5 challenged 51:1 54:4 brown 68:10 84:9 116:24 46:7 55:5 86:25 88:5 105:16,17 120:10 138:7 Cecil 99:5 challenged 51:1 54:4 build 15:16 16:5 18:11 19:19 20:18 26:14 33:6 60:11 106:3,4,5 110:11 131:6 138:25 139:23 Cecil 99:5 159:8 Centers 3:11 98:24 100:3 80:25 81:8,10,22 82:23 49:19 103:3,10 113:13 60:23 68:23 70:20 139:12 60:11 106:3,4,5 110:11 131:6 138:25 139:23 Center 3:11 98:24 100:3 15:13 90:19 103:3,10 113:13 building 5:22,23,24 24:19 41:9 102:21 109:20 24:13 15:13 1		C 5:1 80:2		
brother 126:7 calculating 120:23 Catherine 205:2,10,14 207:23,24 brought 9:19 99:5 101:24 California 2:14 27:10,19 Caucus 3:5 87:6,8 Chairman's 41:6 caught 132:14 19:19 99:16 140:12 16:17 cause 169:21,21 172:23 cause				
brothers 67:5,6,9 92:18 brought 9:19 99:5 101:24 108:6 120:8 121:1 132:14 191:24 192:5 205:23 brown 68:10 84:9 116:24 117:1,4 122:15 Brownsville 31:7 111:15 build 15:16 16:5 18:11 19:19 20:18 26:14 33:6 34:11 42:18 43:18 60:23 68:23 70:20 79:21 85:4 115:5 152:1 152:5 173:5 176:23 189:5 195:1 199:18 building 5:22,23,24 24:19 41:9 102:21 109:20 148:7,7,8 156:7,7 171:8 178:6,21 187:3 195:1 buildout 34:13 35:3 buildout 34:13 19:2,9,14 California 2:14 27:10,19 28:6,13 29:1 58:4,9 97:16 140:12 161:17 162:15,16 called 15:17:12 162:15,16 called 15:17:24 CE 171:5 causes 107:5 cellebrate 119:6 center 3:11 98:24 100:3 116:12 centering 199:14 centering 199:14 centering 199:14 centering 199:14 centering 199:14 centering 199:14 cente				
brought 9:19 99:5 101:24 108:6 120:8 121:1 132:14 191:24 192:5 205:23 brown 68:10 84:9 116:24 117:1, 4 122:15 Brownsville 31:7 111:15 build 15:16 16:5 18:11 19:19 20:18 26:14 33:6 34:11 42:18 43:18 60:23 68:23 70:20 79:21 85:4 115:5 152:1 152:5 173:5 176:23 189:5 195:1 199:18 building 5:22,23,24 24:19 41:9 102:21 109:20 148:7,7,8 156:7,7 171:8 178:6,21 187:3 195:1 buildout 34:13 35:3 100:17 built 18:15 19:2,9,14 28:6,13 29:1 58:4,9 97:16 140:12 161:17 162:15,16 calle 11:17 162:15,16 causes 107:5 causes 107:10 sellenges 50:21 76:22,222 102:4 challenges 50:21 76:22,222 102:4 challenges 50:21 76:22,222 causes 107:5 causes 107:2 Secil 99:5 celebrate 119:6 center 3:11 98:24 100:3 116:12 cahllenges 50:21 76:22,22 102:4 challenges 50:21 76:22,22 102:4 challenges 3:2 39:14 61:2 challenges 3:2 39:14 61:2 celebrate 119:6 causes 107:5 causes 107:6 26:19:4:2				
108:6 120:8 121:1 132:14 191:24 192:5 205:23 205:23 205:23 205:23 205:23 205:23 205:23 205:23 205:24 205:25 205:		· · · · · · · · · · · · · · · · · · ·		
132:14 191:24 192:5 205:23				
205:23 call 13:24 16:13 17:24 causing 135:16 174:12 challenges 3:2 39:14 61:2 brown 68:10 84:9 116:24 46:7 55:5 86:25 88:5 CE 171:5 Cecil 99:5 challenges 3:2 39:14 61:2 Brownsville 31:7 111:15 149:9 165:12 174:1 celebrate 119:6 challenging 51:7 59:21 build 15:16 16:5 18:11 207:16 celebrate 119:6 chance 106:12 34:11 42:18 43:18 60:11 106:3,4,5 110:11 60:11 106:3,4,5 110:11 159:8 Center 3:11 98:24 100:3 80:25 81:8,10,22 82:23 79:21 85:4 115:5 152:1 165:14 167:24 197:24 center 3:11 98:24 100:3 80:25 81:8,10,22 82:23 189:5 195:1 199:18 calm 173:20 centers 121:14 centers 121:14 161:12 193:2 196:24 building 5:22,23,24 24:19 139:22 campaign 68:16 103:15 75:11 78:9 108:21 166:12 193:2 196:24 178:6,21 187:3 195:1 cancer 69:8,9 94:12 99:10,19 102:10 118:7 75:11 78:9 108:21 196:24 built 18:15 19:2,9,14 126:6,7,8 139:25 126:6,7,8 139:25 CEO 2:19 3:14 37:11 119:17 138:1 192:25				
brown 68:10 84:9 116:24 117:1,4 122:15 Brownsville 31:7 111:15 build 15:16 16:5 18:11 19:19 20:18 26:14 33:6 34:11 42:18 43:18 60:23 68:23 70:20 79:21 85:4 115:5 152:1 152:5 173:5 176:23 189:5 195:1 199:18 building 5:22,23,24 24:19 41:9 102:21 109:20 148:7,7,8 156:7,7 171:8 178:6,21 187:3 195:1 buildout 34:13 35:3 100:17 built 18:15 19:2,9,14 46:7 55:5 86:25 88:5 105:16,17 120:10 138:7 149:9 165:12 174:1 207:16 called 15:4 33:12 47:15 60:11 106:3,4,5 110:11 207:16 called 15:4 33:12 47:15 60:11 106:3,4,5 110:11 165:14 167:24 197:24 calling 24:13 119:14 calm 173:20 campaign 68:16 103:15 139:22 Canada 120:12 canary 143:11 cancer 69:8,9 94:12 99:10,19 102:10 118:7 built 18:15 19:2,9,14 46:7 55:5 86:25 88:5 105:16,17 120:10 138:7 149:9 165:12 174:1 called 15:4 33:12 47:15 159:8 Ceil 99:5 celebrate 119:6 census 158:22 159:4,4,6,7 159:8 Center 3:11 98:24 100:3 116:12 center 3:11 98:24 100:3 116:12 center in 199:14 centerpiece 93:5 centers 121:14 centerpiece 93:5 centers 121:14 centerpiece 93:5 144:21 145:2,5 158:15 161:12 193:2 196:24 changed 17:17 161:12 changes 32:5 164:8 194:9 196:24 changing 17:10 68:3 75:13 76:24 82:23 1100:17 built 18:15 19:2,9,14 103:7,13 103:7,13			causing 135:16 174:12	
117:1,4 122:15 105:16,17 120:10 138:7 Cecil 99:5 celebrate 119:6 census 158:22 159:4,4,6,7 159:18 26:14 33:6 34:11 42:18 43:18 60:23 68:23 70:20 79:21 85:4 115:5 152:1 152:5 173:5 176:23 189:5 195:1 199:18 calling 24:13 119:14 calm 173:20 centers 121:14 center geographic formula (align geographic) (align				0
Brownsville 31:7 111:15 149:9 165:12 174:1 celebrate 119:6 chance 106:12 build 15:16 16:5 18:11 207:16 census 158:22 159:4,4,6,7 change 9:24 22:23 38:17 19:19 20:18 26:14 33:6 60:11 106:3,4,5 110:11 159:8 49:18 71:21 75:18 60:23 68:23 70:20 131:6 138:25 139:23 116:12 90:19 103:3,10 113:13 79:21 85:4 115:5 152:1 165:14 167:24 197:24 centering 199:14 15:12,13,15,15 137:25 189:5 195:1 199:18 calling 24:13 119:14 centers 121:14 161:12 193:2 196:24 building 5:22,23,24 24:19 campaign 68:16 103:15 139:22 centuries 45:13,14 69:18 75:11 78:9 108:21 change 9:24 22:23 38:17 152:5 173:5 176:23 calling 24:13 119:14 centering 199:14 center piece 93:5 144:21 145:2,5 158:15 189:5 195:1 199:18 calm 173:20 centers 121:14 centuries 45:13,14 69:18 161:12 193:2 196:24 178:6,21 187:3 195:1 canace 69:8,9 94:12 99:10,19 102:10 118:7 15:13 century 34:12 64:12 87:9 75:13 76:24 82:23 100:17 99:10,19 102:10 118:7 103:7,13 103:7,13 199:20,22				2 2
build 15:16 16:5 18:11 19:19 20:18 26:14 33:6 34:11 42:18 43:18 60:23 68:23 70:20 79:21 85:4 115:5 152:1 152:5 173:5 176:23 189:5 195:1 199:18 building 5:22,23,24 24:19 41:9 102:21 109:20 148:7,7,8 156:7,7 171:8 178:6,21 187:3 195:1 buildout 34:13 35:3 100:17 built 18:15 19:2,9,14 207:16 called 15:4 33:12 47:15 60:11 106:3,4,5 110:11 131:6 138:25 139:23 165:14 167:24 197:24 calling 24:13 119:14 campaign 68:16 103:15 139:22 Canada 120:12 canary 143:11 cancer 69:8,9 94:12 99:10,19 102:10 118:7 built 18:15 19:2,9,14 called 15:4 33:12 47:15 60:11 106:3,4,5 110:11 159:8 Center 3:11 98:24 100:3 16:12 centering 199:14 centerpiece 93:5 centers 121:14 center 3:11 98:24 100:3 165:14 167:24 197:24 centering 199:14 center 3:11 98:24 100:3 116:12 centering 199:14 center 12:14 center 3:11 98:24 100:3 115:12,13,15,15 137:25 centers 12:14 center 42:5 106:21 change 9:24 22:23 38:17 49:18 71:21 75:18 80:25 81:8,10,22 82:23 116:12 centering 199:14 center 3:11 98:24 100:3 115:12,13,15,15 137:25 centers 12:14 center 42:5 106:21 change 9:24 22:23 38:17 49:18 71:21 75:18 80:25 81:8,10,22 82:23 115:12,13,15,15 137:25 centers 12:14 center 3:11 98:24 100:3 116:12 centering 199:14 center 3:11 98:24 100:3 115:12,13,15,15 137:25 centers 12:14 center 3:11 98:24 100:3 115:12 15:13,15,15 137:25 centers 12:14 center 3:11 98:24 100:3 116:12 centering 199:14 center 3:11 98:24 100:3 116:12 centering 199:14 center 3:11 98:24 100:3 115:12 15:13,15,15 137:25 centers 12:14 center 3:11 98:24 100:3 116:12 centering 199:14 center 3:11 98:24 100:3 115:12 115:13,15,15 137:25 centers 12:14 center 3:11 98:24 100:3 116:12 centering 199:14 center 3:11 98:24 100:3 116:12 centering 199:14 center 3:11 98:24 100:3 115:12 15:12,13,15,15 137:25 161:12 193:2 20 144:21 145:2,5 158:15 161:12 193:2 20 144:21 145:2,5 158:15 161:12 193:2 20 144:21 145:2,5 158:15 161:12 193:2 2196:24 change 9:24 22:23 38:17	,	*		
19:19 20:18 26:14 33:6 called 15:4 33:12 47:15 159:8 49:18 71:21 75:18 34:11 42:18 43:18 60:23 68:23 70:20 131:6 138:25 139:23 116:12 90:19 103:3,10 113:13 79:21 85:4 115:5 152:1 165:14 167:24 197:24 calling 24:13 119:14 centering 199:14 115:12,13,15,15 137:25 189:5 195:1 199:18 calm 173:20 campaign 68:16 103:15 centers 121:14 centers 121:14 centers 121:14 changed 17:17 161:12 48:7,7,8 156:7,7 171:8 139:22 75:11 78:9 108:21 196:24 changes 32:5 164:8 194:9 100:17 99:10,19 102:10 118:7 CEO 2:19 3:14 37:11 199:20,22 built 18:15 19:2,9,14 126:6,7,8 139:25 103:7,13 199:20,22				
34:11 42:18 43:18 60:11 106:3,4,5 110:11 Center 3:11 98:24 100:3 80:25 81:8,10,22 82:23 60:23 68:23 70:20 131:6 138:25 139:23 116:12 90:19 103:3,10 113:13 79:21 85:4 115:5 152:1 165:14 167:24 197:24 centering 199:14 115:12,13,15,15 137:25 152:5 173:5 176:23 calling 24:13 119:14 centerpiece 93:5 144:21 145:2,5 158:15 189:5 195:1 199:18 calm 173:20 centers 121:14 centers 121:14 building 5:22,23,24 24:19 campaign 68:16 103:15 central 42:5 106:21 changed 17:17 161:12 41:9 102:21 109:20 139:22 Canada 120:12 centuries 45:13,14 69:18 75:11 78:9 108:21 196:24 178:6,21 187:3 195:1 cancer 69:8,9 94:12 99:10,19 102:10 118:7 CEO 2:19 3:14 37:11 75:13 76:24 82:23 100:17 99:10,19 102:10 118:7 CEO 2:19 3:14 37:11 119:17 138:1 192:25 built 18:15 19:2,9,14 126:6,7,8 139:25 103:7,13 199:20,22				_
60:23 68:23 70:20 79:21 85:4 115:5 152:1 152:5 173:5 176:23 189:5 195:1 199:18 building 5:22,23,24 24:19 41:9 102:21 109:20 148:7,7,8 156:7,7 171:8 178:6,21 187:3 195:1 buildout 34:13 35:3 100:17 built 18:15 19:2,9,14 131:6 138:25 139:23 165:14 167:24 197:24 calling 24:13 119:14 calm 173:20 centering 199:14 centerpiece 93:5 centers 121:14 centerpiece 93:5 centers 121:14 centerpiece 93:5 centers 121:14 centuries 45:13,14 69:18 75:11 78:9 108:21 115:13 century 34:12 64:12 87:9 CEO 2:19 3:14 37:11 103:7,13 90:19 103:3,10 113:13 115:12,13,15,15 137:25 centering 199:14 centerpiece 93:5 centers 121:14 c				
79:21 85:4 115:5 152:1 152:5 173:5 176:23 189:5 195:1 199:18 building 5:22,23,24 24:19 41:9 102:21 109:20 148:7,7,8 156:7,7 171:8 178:6,21 187:3 195:1 buildout 34:13 35:3 100:17 built 18:15 19:2,9,14 165:14 167:24 197:24 calling 24:13 119:14 calm 173:20 centering 199:14 centerpiece 93:5 centers 121:14 centerpiece 93:5 centers 121:14 centerpiece 93:5 centers 121:14 centerpiece 93:5 centers 42:5 106:21 centuries 45:13,14 69:18 75:11 78:9 108:21 115:12 139:22 changed 17:17 161:12 changes 32:5 164:8 194:9 196:24 changing 17:10 68:3 century 34:12 64:12 87:9 CEO 2:19 3:14 37:11 103:7,13 199:20,22				
152:5 173:5 176:23 calling 24:13 119:14 centerpiece 93:5 144:21 145:2,5 158:15				
189:5 195:1 199:18 calm 173:20 centers 121:14 161:12 193:2 196:24 building 5:22,23,24 24:19 campaign 68:16 103:15 centers 121:14 changed 17:17 161:12 41:9 102:21 109:20 139:22 centuries 45:13,14 69:18 changes 32:5 164:8 194:9 178:6,21 187:3 195:1 canary 143:11 15:13 century 34:12 64:12 87:9 buildout 34:13 35:3 p9:10,19 102:10 118:7 century 34:12 64:12 87:9 75:13 76:24 82:23 100:17 p9:10,19 102:10 118:7 CEO 2:19 3:14 37:11 119:17 138:1 192:25 built 18:15 19:2,9,14 126:6,7,8 139:25 103:7,13 199:20,22				
building 5:22,23,24 24:19 campaign 68:16 103:15 central 42:5 106:21 changed 17:17 161:12 41:9 102:21 109:20 139:22 centuries 45:13,14 69:18 changes 32:5 164:8 194:9 148:7,7,8 156:7,7 171:8 Canada 120:12 75:11 78:9 108:21 196:24 178:6,21 187:3 195:1 cancer 69:8,9 94:12 115:13 changing 17:10 68:3 buildout 34:13 35:3 p9:10,19 102:10 118:7 CEO 2:19 3:14 37:11 119:17 138:1 192:25 built 18:15 19:2,9,14 126:6,7,8 139:25 103:7,13 199:20,22		O	-	
41:9 102:21 109:20 148:7,7,8 156:7,7 171:8 178:6,21 187:3 195:1 buildout 34:13 35:3 100:17 built 18:15 19:2,9,14 139:22 centuries 45:13,14 69:18 75:11 78:9 108:21 115:13 century 34:12 64:12 87:9 CEO 2:19 3:14 37:11 103:7,13 changes 32:5 164:8 194:9 196:24 changing 17:10 68:3 75:13 76:24 82:23 119:17 138:1 192:25 119:20,22				
148:7,7,8 156:7,7 171:8 Canada 120:12 75:11 78:9 108:21 196:24 178:6,21 187:3 195:1 canary 143:11 115:13 changing 17:10 68:3 buildout 34:13 35:3 cancer 69:8,9 94:12 century 34:12 64:12 87:9 75:13 76:24 82:23 100:17 99:10,19 102:10 118:7 CEO 2:19 3:14 37:11 119:17 138:1 192:25 built 18:15 19:2,9,14 126:6,7,8 139:25 103:7,13 199:20,22				
178:6,21 187:3 195:1 canary 143:11 115:13 changing 17:10 68:3 buildout 34:13 35:3 cancer 69:8,9 94:12 century 34:12 64:12 87:9 75:13 76:24 82:23 100:17 99:10,19 102:10 118:7 CEO 2:19 3:14 37:11 119:17 138:1 192:25 built 18:15 19:2,9,14 126:6,7,8 139:25 103:7,13 199:20,22			· · · · · · · · · · · · · · · · · · ·	e e
buildout 34:13 35:3 cancer 69:8,9 94:12 century 34:12 64:12 87:9 75:13 76:24 82:23 100:17 99:10,19 102:10 118:7 CEO 2:19 3:14 37:11 119:17 138:1 192:25 built 18:15 19:2,9,14 126:6,7,8 139:25 103:7,13 199:20,22				
100:17 99:10,19 102:10 118:7 CEO 2:19 3:14 37:11 119:17 138:1 192:25 built 18:15 19:2,9,14 126:6,7,8 139:25 103:7,13 199:20,22		•		0 0
built 18:15 19:2,9,14		· ·		
		· · · · · · · · · · · · · · · · · · ·		
21.10 30.13 37.7 97.17 Candidates 177.23,27 CEQ 197.23 190.0,11 Characterize 90.10				
	31.10 30.13 3/.4 9/.1/	Canuluates 144.23,24	CEQ 197.23 190.0,11	CHAI ACIEI IZE 70.10

198:10

co-leads 141:17

charge 21:9 27:1
charging 62:9 151:13
Charles 11:16 67:4
107:12,16 209:24
chat 123:10
cheap 30:16 172:4
cheaper 18:18,20,24 49:7
82:5,7
cheapest 18:14
cheat 65:10
check 6:1 13:19 122:17
148:10 178:20
checking 125:13 176:18
checklist 151:18
checks 66:22
chemical 87:25 92:12
106:6,17 112:4,6
133:22,24 134:12
173:20 180:13
Cheniere 2:20 40:16,21
42:7 43:18
Cheniere's 41:15
Chester 99:23
chewing 70:13
chicken 99:17 102:8
122:16
chickenpox 99:17
Chief 3:22 149:15,22
child 143:8
childcare 105:7 172:15
children 71:19 72:5 78:7
105:6 106:13 109:16
118:7 119:23 135:22
children's 32:21
Chips 23:22
choice 158:23
choices 104:14
choose 71:18 159:23
choosing 159:15
Christi 118:1
Christie 2:5 14:12,13
21:5 30:4 37:15 44:8
60:5 61:21 69:21 77:5,7
80:23 82:9,13,18 83:1,6
83:11 84:3 89:20 92:8
Christie's 105:23
church 49:4 53:5 129:5
135:12 202:9,14
CIP 51:16
circle 124:4
Circuit 160:5
Cities 180:19
citing 64:4
citizens 51:7 93:24
179:10
city 53:2 84:1 92:14,16
July 55.2 64.1 72.14,10
1

```
co-locate 184:7
co-locating 183:18
co-pollutants 174:11
co-principal 3:10 95:22
  96:1
CO2 90:2,8
coal 143:11
Coalitions 105:9,10
coals 90:10
coast 8:1 14:20 40:24
  94:18 103:21 116:1
  142:8,22
code 65:10
coffee 170:9,14 188:2
cognizant 124:5
cohesive 55:4
cold 125:12
Cole 9:16 89:3
collaborate 155:3 190:3
collaborating 40:9
collaboration 76:9 101:1
  109:8
collaborative 195:10
collapsing 133:8 142:21
colleague 126:13 192:16
colleagues 10:12 29:19
  46:11,12,25 61:13
  124:6
collection 80:20 193:24
  195:14
collective 137:23
college 67:12
colleges 63:19,20
colocation 183:17
colon 99:10
colonization 139:2,3
color 9:3 20:15 23:3 33:8
  33:20 69:1,12 107:4,19
  107:19 108:17 151:24
  153:22 159:1
colors 69:18 118:14
  119:18
Columbia 142:25
combination 160:13
combined 137:23
come 13:8 14:21 26:4,17
  30:22 36:23 40:11
  44:20 48:19 49:12,13
  49:23 51:3,15,20 53:20
  66:16 79:17 92:17 95:9
  95:10.14 100:16 101:15
  102:3 103:17 104:16,25
  105:2 107:17 109:11
  111:11 116:8,13 119:2
```

```
120:5 123:23 124:18,19
  125:12,17,20 127:8
  130:17 132:25 133:1,4
  135:5,9 136:25 137:17
  141:22 142:6,15 145:1
  146:7,9,10 149:23
  160:20 163:15 164:3
  166:25 167:1,3 172:17
  177:2 193:12 201:25
  202:1 203:11 207:21
Comecrudo 31:11
comes 17:24 19:6,25
  20:17,24 32:8 42:4 54:9
  81:1,2 102:19 114:12
  119:8 132:13 143:16
  159:25 178:3
comfort 68:24
comfortable 14:14
  123:18
coming 14:17,24 49:5
  62:7,11 63:24 75:7
  94:16 125:5,25 129:25
  145:24 146:10 168:8
  179:22 205:13
commencement 6:21
  148:13
commend 150:23
comment 7:3 14:16 57:17
  60:2 80:24 123:10
  124:8,10 126:23 177:22
  181:17 189:5 199:18
commenting 13:11
comments 7:8,12 10:21
  10:25 11:4 13:13,15,24
  14:11 21:5 37:3,7 72:11
  124:18 137:7 140:24
  147:3 154:10 155:25
  168:15 176:11 199:18
commercial 85:6 142:8
  142:10,13
commission 1:2,9 2:14
  5:6,12 6:11,15,24 7:5
  7:10,18 8:6 9:8,9,21,22
  10:15 11:18,20,24 12:4
  12:22 13:21 21:6,17
  27:10,16,20 28:4,6
 31:23,24 33:3 34:12
  35:13 37:5 41:11,13
  43:8 47:20 48:1,14 58:5
  58:10,15,20,21 59:3,5
  71:9 89:16 90:17,19
  96:7 99:2 100:5,15
  107:15 124:19.22 138:2
  141:3 148:3,16,23
  154:16,19 168:4,23,25
  177:13 201:4 205:17
```

	1	l	l
206:14 209:4,20	189:16	202:7,8	202:6,11,13,21,21,23
Commission's 8:7 9:14	communities 3:1 9:3,6	community 3:7 7:21,25	203:14,16,17,23 204:22
11:9 13:9 29:2 77:16	10:3,8,9 11:9,10 12:1,9	8:3 11:24 23:11 24:13	205:4 206:10
140:23 147:22	12:24 16:24 23:3,3,4,14	24:15,22,24 25:12,14	community's 25:5 41:25
Commissioner 2:3,4,5,15	23:17,17,24 24:1,18	25:17,18,21 26:1,2,9	137:25 190:13 194:23
10:18,20 11:1,2,3 14:10	25:4,11,15,24 26:3,3,4	29:5,14 31:8 32:17	companies 36:11 48:13
14:12,13 21:4 22:1	26:6 27:24 28:14,15,15	37:21 38:7,8,13,19 39:1	67:16 68:1 71:15 72:4
26:25 27:9,11,12,15,18	28:16,21,21 29:17	39:2,19,25 41:9,15,19	73:13 94:15 111:25
28:5 29:24 30:3,4 37:14	30:20 31:2 32:3,6,12,19	41:23 42:8,11,13,23	113:9,15,16 126:14
37:15,15 44:8 45:5	33:7 34:25 35:18 38:3,5	43:2,13 45:19 48:4,5,9	150:14,17 153:3 168:24
47:16 55:20,23 57:14	38:17 40:10,23 41:11	48:10 49:2 50:7 51:12	180:13,13 206:15
57:15,24 59:23 60:4	41:17,20 42:3,6,14 43:8	51:15,17,19,23 52:19	company 52:23 73:9 84:5
61:21 69:21 70:1,2,9,11	43:11,20,22 44:17,17	52:22,24,24 53:4 54:9	93:21,22 94:2 111:23
70:12 77:3,4,5,7,9	44:24 45:16 46:3 47:5	54:21 55:8,13 56:6,11	125:7,15 135:2 152:14
79:20 80:23 82:9,13,18	48:15,19,20 49:11,12	56:13 57:21 58:18	152:18
83:1,6,11 84:3 89:20	49:20 51:1,9 52:25 53:3	59:12 60:12 61:15,18	company's 155:2
99:20,21 100:24 101:13	53:13,14,19,23 54:22	62:1,8,12,22,25 63:15	compare 159:21 185:16
104:21 108:6 120:6	54:24 56:5,10,13 58:6,8	63:19,25 64:2,6,7,9	comparison 157:12
124:7,9,14,15,16 125:2	58:13,22,24 59:1,4,8,19	65:14,23 66:4 67:12,18	159:13,15,18 168:18
134:9 144:5,7 151:6	60:8,13,13,21 61:9,9,21	67:25 68:5 69:15 71:4,9	compelled 130:7
152:19 163:8 192:16,17	62:7,14 63:3,7,20,21,22	72:1,25 73:20 77:24	compensated 26:11
199:20 200:19 205:11	64:13,14,15 65:16	79:24 80:9,13 82:1	compensation 58:10
205:12 206:18 207:1,3	66:25 67:13,14,17,21	83:19,21,23 84:2,13,24	complete 31:25 85:3
Commissioner's 13:25	67:23 69:16 70:4,24	84:25 88:22 92:4 95:16	170:7
Commissioner-led 5:11	71:1,16 73:11 75:20	95:16 100:5 101:10	completed 97:13
commissioners 5:12	76:10 77:14 83:17	102:2 104:4 105:6	completely 64:18 75:8
10:11 14:15 22:4,11	84:20,21 85:9 86:3,8,11	106:6 109:11,20,22,23	97:22
27:20 29:20 40:7,11	87:10,16,21,23 88:14	110:18,19,19,25 116:4	complex 96:15 106:18
46:12 47:18 53:1 61:6	88:17,21,24 89:14	116:10 117:4,7,11,12	144:11 179:9
69:19 86:10 92:8	91:18,19,25 94:17 99:9	117:19,20 119:20,21,24	compliance 154:15
100:21 105:14,18 110:5	99:21 107:5,8,19,19,25	120:1,7 121:16,18,25	175:15
123:23 132:15 148:3	108:21,25 109:6,9,9	122:1,3 127:5,14,21,21	components 153:7
149:20 150:6,24 168:2	110:16,22,22 111:5,19	128:6,11,25 129:6,22	comport 76:20
176:12	113:25 116:3 117:25	130:17 131:15 132:13	compound 176:2
commissions 92:15	122:7 123:5,24 124:25	132:15 133:18,24	comprehensive 157:25
commitment 14:7 23:16	126:19 128:13,16,16,19	134:22 135:17 136:9	concealing 159:5
38:1 39:4,20 40:9 50:15	128:22 132:25 133:12	137:22 139:13,15,15	conceit 72:12
113:7 150:9 151:5	133:12 140:2,10,18	145:7,11,12 151:10	concentrated 99:18
153:20 156:3 157:24	141:13 145:1,14 148:25	154:2 156:12,19 157:5	concept 192:22
194:25,25 206:18	150:20,22 151:11,13,15	158:7,8 159:20,21	conception 27:4
commitments 111:4	151:23 152:5 153:24	160:18 164:23 166:2,20	concern 79:25 90:12
152:25 committed 8:4 10:10	154:4,9 155:8 156:5 157:5,9,21 158:22,25	166:20,22 167:6,9 169:15,18,23 170:10,15	179:23 205:20 concerned 12:21
23:19,20 101:9 150:18	159:15 160:2 164:10,20	170:24 171:8,13,23,25	concerned 12:21 concerns 27:23 36:24
150:20 153:23 155:3	165:8 166:6,8,18	170:24 171:8,13,23,23	39:16 41:19 42:22 91:5
committee 112:1,2	169:12,25 170:2,5,25	172:4,10,14,18,20,25	109:1 151:16 207:4
163:13,14 165:13	171:18,24 172:1 174:24	180:1,5,18 181:16	concluded 208:1
198:11 199:9	175:2,20 176:3 177:5	184:24 185:4,23 186:4	conclusion 5:17
committees 111:22	173.2,20 170.3 177.3	186:15,21,23 187:3,12	concrete 13:12,12 70:21
committees 111.22 commodities 93:10	178:1,8,22,23 179:14	187:21,24 188:6,14	condition 119:10 142:12
commodity 93:11	180:11 182:18,24	189:6 190:3 191:1,2,4	conditions 142:24 156:12
common 49:1,22 94:21	183:11 186:2,11,18,20	191:13,22 192:11	162:10
Commonwealth 132:24	189:10,16,17 190:16,22	194:20 195:15 196:14	conduct 32:2 39:9 88:12
communicate 123:9	192:7,11 195:1 196:16	194.20 193.13 190.14	88:20 90:19
155:7 165:25	197:1,6,13,20 198:17	190:13 197:17 198:3,24	conducted 58:23 132:12
communication 42:7	199:11,12 201:2,23	201:16,21,22 202:3,4,5	conducting 6:21 90:18
Communication 72.7	177.11,12 201.2,23	201.10,21,22 202.3,4,3	- Conducting 0.21 70.10
	I	I	I

148:13 156:23	84:5 155:24
conference 9:22 151:6	consuming 153:14
198:9,15 208:1	contact 7:12
confident 12:12	contacting 201:1
confines 37:2	contacting 201.1
confirm 107:7	contagious 119.3 contamination 93:17
confounding 35:14	contemporary 161:9
confusion 205:19	181:20 192:7
Congratulations 12:18	conterminous 153:14
Congress 93:6 101:19	contested 6:14 31:17
connect 130:14	86:22 114:24 149:6
connected 178:5 204:8	167:20
connection 141:8	context 29:6 68:16 77:1
connections 141:4 151:15	175:12
conquest 96:16	contextualize 79:25
Conrad 9:19 12:18 46:11	continually 151:19
cons 204:17	continue 26:23 35:3,15
consent 66:11 68:21 98:3	36:3 44:15 49:19 92:1
98:7,10,18,19	101:21 102:21,22
consequence 71:20 143:3	113:13 134:5 136:18
consequences 143:4	141:11 143:14 145:19
169:19 198:25	146:16 154:8,25 162:
Conservation 3:9 95:23	197:11
96:2	continued 12:12 41:8
consider 10:8 13:10	43:5 151:20
35:18,20 37:6 43:16	continues 42:5
73:20 81:14 94:23	continues 42.3
168:20 174:6,17 175:9	155:3
175:23 204:18	continuity 67:10
considerably 109:24	continuously 107:22
consideration 12:15 17:5	134:4
18:7,10 26:18 36:5	Contract 141:17
41:12 127:20 131:19	contracts 41:3
179:25	contribute 25:1 112:9
considerations 6:12	141:21 142:4
11:21 34:3 43:21 71:15	contributed 42:25
184:16	contributing 117:19
considered 27:3 89:15	convener 74:4
143:5	convenience 15:6 36:7
considering 46:1 75:1	convening 30:5 33:4
77:11 89:17 109:5	37:16 56:1 179:12
135:22 139:22 174:20	convenor 60:4
consist 145:20	conversation 11:6 13:1
consistent 9:14	33:4,18 36:25 43:4 44
constituting 153:12	48:22 53:25 101:15
constraints 37:3	145:18 149:24 151:3
construct 36:8	152:7 164:2 167:15
construction 41:5,8	176:10 180:25
108:24	conversations 12:20 13
consultation 29:4,10	36:22 46:24 48:11,24
97:10 98:21 109:7	54:16 80:3 105:15
114:13,13	145:19 152:4
consultations 114:21	cook 172:19
consume 9:5	coordinate 9:13
consumer 82:10	coordinator 103:15
	COULDINATOR TOUR
consumers 18:13 81:10	Corbin 99:6

```
Cordalis 3:9 95:22,23,24
  95:24 98:22 113:20.22
  113:23 124:3 137:11
  162:7 205:5
cordially 136:17
core 19:5 22:13 115:16
  115:17 152:25 153:25
  157:14
cornerstone 8:25
corporate 121:16
corporation 69:6
corporations 92:22 111:6
  151:13
Corpus 117:25
correct 179:1 209:20
correcting 178:9
corridor 87:25 183:20,22
  183:24 184:4
cost 18:11,12 34:18 68:12
  68:14 69:5,7,9 78:1
  81:7,7,9,25 82:5,21
  84:4,5,13 169:6,6,9,11
  183:22 189:19
costs 37:25 69:11 77:24
  78:13 81:11,15,17,17
  82:8,10 83:3,15 84:12
  84:18,19 85:9 143:15
  157:24 168:18
cotton 115:4
council 53:2 92:15 97:22
  135:11 165:12
Council's 199:3
counsel 2:10 3:19 5:6
  9:12 12:17 31:16 89:3
  147:22 163:12
count 125:10 177:7
counterparts 64:21
counties 20:16
counting 32:15
countless 36:11
country 30:22 33:15
  34:10,16 49:10 64:14
  65:2 68:24 69:10,18
  85:7,13 88:1 115:6
  126:5 128:8 140:16
  142:7
county 14:21,23 53:1
  127:7 183:12
couple 39:8 48:2 75:4
  84:23 169:5 171:19
  179:15 192:15 197:23
  205:15
courage 60:25 124:18
course 13:20 56:5 91:10
  124:3 157:22 160:18
  174:5 195:8
```

```
court 31:22 91:10 130:9
  130:11 136:20 207:21
cousins 69:14
cover 18:1,2 40:2 147:23
CPCN 15:6,14 17:23
  19:4,4,6
CPCNs 15:5,16
create 9:23 12:7 38:24
  41:24 55:12 72:20
  101:1 145:13 159:10
  190:2 206:23
created 9:11 38:10 45:15
  57:8 113:16 131:14
  138:10 157:23 178:8
  204:14
creating 33:9 56:7,7
  63:21 72:16 121:3
  142:24 165:5 176:20
  178:2 190:8
creation 38:8 63:14 74:6
  105:10
creativity 40:22
creator 139:6
credit 59:17 92:23
creed 9:2
crew 57:9
crisis 22:21 27:3
criteria 40:1 175:17
critical 7:3 22:20 24:2
  38:5 39:21 102:16
  158:22
cross 117:11.12
crossed 127:7
Crow 87:18
crowded 135:20
cubic 153:16
cultural 40:2 154:3
  184:10 191:19 192:4
culturally 39:1 162:1
  192:2
culture 81:19 87:10
  183:25
cumulative 46:1 54:25
  77:9,10 78:20 79:10
  80:9,17 118:4,5 120:25
  133:6 134:10 156:15,24
  158:9 165:10,18 168:14
  168:20 169:1,17,19
  171:3,6 173:25 174:2,8
  174:18,21,23 175:14,24
  180:9,20,23 182:5
  183:4,17 184:6,13
  192:18,24 193:6,19,23
  194:11 195:3 197:24
cumulatively 175:6
curb 187:19
```

. 00 10 10 0	11124	172 17 100 22	1 4 9 1177 21
curious 82:13 185:3	dealings 111:24	defining 173:15 198:23	detailed 177:21
193:16	dear 22:12	definitely 167:15 169:10	details 6:6,14 31:17
current 25:9 29:8 35:9	death 203:7	degree 50:14	153:6
47:4 63:16 72:11 98:10	deaths 107:6	DEIA 24:10	determination 80:14
199:24,25 200:1	decade 107:18 138:15	delays 39:15	90:20 206:19,22
currently 63:2 98:2 135:4	decades 22:24 41:4 64:21	delegates 33:22	determinations 28:19
165:17 190:18 194:16	93:14 95:1 108:22	deliberate 151:18	77:18
204:19	112:24 132:12 136:8	delighted 10:4 163:7,19	determine 88:4 90:18
cusp 137:24	139:12	deliver 24:17 63:16 74:17	175:16
customer 28:10	decarbonization 28:11	delve 21:16 79:10	determining 80:6 159:13
customers 38:23	deceiving 113:3	demand 89:17 144:1	169:7,19
cut 130:21	December 90:7	demands 35:7,8 36:15	detriment 97:13
cute 45:10 133:1	decide 130:9 206:20	democracy 69:23 87:13	devastating 35:16
cycle 26:5	decided 20:18 46:21	144:22	develop 50:11 59:18
	124:19	democratic 100:20	165:13 180:3 182:2
D	deciding 46:18	144:12	190:24
D 5:1	decimal 45:21	demographic 120:8	developed 12:14 28:3
D.C 1:11 9:22 30:22	decimation 182:10	demographically 159:19	33:22 39:11 42:12
33:21 115:25 116:14	decision 17:11,18 18:19	demonstrate 27:25 151:2	65:19 75:15 96:15
132:21 160:5 166:17	18:23 19:5 21:18 28:17	156:3	120:9 142:1 155:2
daily 119:20 199:15	36:16 52:6 57:18 58:11	demonstrates 24:23	162:10 181:24
Dakota 98:15	59:7 71:10,25 73:16	demonstrating 49:6	developer 18:17 20:12
dam 114:17 124:4 138:3	78:8 83:4 105:2 123:24	denied 31:5 87:20	109:8
138:25 139:1 140:6,11	123:25 131:17 133:7	Denise 198:10	developers 13:5 25:15
140:19,24	154:21 155:20 158:3,12	deny 32:10 49:18	40:1 70:25 71:11
damage 115:14	169:10 174:3 179:13	denying 32:18 158:3	developing 29:2 60:8
damaging 178:19	194:8	DEO 72:24 198:10	62:22 125:7 154:22
dams 97:17 98:16 138:9	decisions 6:13 11:9,22	department 2:12 3:21 4:7	179:16
138:10,14,20,24 142:21	13:11 14:6 30:25 32:17	22:5,14,17 24:4,8 45:3	development 12:13 25:6
162:6 182:10	33:17 34:25 45:22 46:6	107:21 133:19,21,22	25:10,13,19 26:5 41:5
Dan 136:24	46:14,16,20,22,25 47:9	149:16 163:4 165:5	48:4 62:2,3 63:6 65:2
Dana 2:17 32:24	48:6 51:4,8 75:10,22	179:20	73:4 108:18 111:12
Danly 2:3 10:18,20 37:15	76:6,16,18,19,23 77:12	departments 107:21	140:15 143:23 157:21
100:25,25 104:21 124:7	78:5 79:18 83:3 89:13	depend 11:13	161:20 162:17 173:17
124:9 207:1,3	132:23 134:12 156:21	depending 191:2	developmental 40:6
Darcie 2:14 27:19	158:16,18 162:13	depends 201:13	dialogue 10:14 13:16
data 45:17 79:16 80:4,19	166:16 191:7 206:24	depth 93:1 180:22	30:10 42:15 43:5
157:10 158:23,23 159:5	declare 178:18	Deputy 2:22 43:25	146:17
159:8 174:2 178:25	declared 97:23	DER 28:9,10	die 136:15 138:18
193:10,24 194:8 195:14	decrease 138:22 144:20	derailment 108:1	difference 117:18 121:22
200:15 204:11	dedicated 30:4 89:4	described 139:14	136:8
date 35:13 209:17	155:19	describing 124:22 178:10	differences 192:10
daughter 119:13 126:7	deem 59:21	194:2	different 17:9 19:16
Davis 4:5 160:25 161:3	deemed 34:22 90:9	desecrate 31:10	41:19 43:9 55:10 63:1
day 5:11 14:6 20:8 21:9	181:13	desegregate 68:17	67:14 81:11 85:11
22:13 24:8 49:15 75:25	deep 21:5 151:12 161:19	deserve 117:9	122:24 123:4,19 141:18
91:14 98:2 103:9 104:8	162:23 164:11 182:4	design 12:11 187:13,13	144:13 145:14,20
115:7 117:22 119:14	default 188:23	187:17,18	166:23 179:6,9,10,16
134:21 141:3 147:5	defending 35:12 88:8	designed 38:13 54:17	179:23 180:11,18,19
158:12 165:22 198:3	defense 98:11	190:10	184:9,10,10 185:2,2,14
days 51:20 119:3	defensible 160:9 193:9	desk 94:1	189:2 190:22,22 199:1
DC 209:16	defensive 207:14	despite 89:23	203:24 207:19
deadly 107:23	defer 113:21	destabilization 144:15	differently 18:16,22 76:7
deal 69:9 92:23 93:1	deficient 91:12	destruction 97:13 170:6	137:3 144:24 165:10
112:23	define 174:3	170:7 175:7	difficult 57:25 58:8,14,16
dealing 119:9 166:15	defines 173:19	detail 93:1	58:18 59:21 127:1
ucaning 117.7 100.13	defines 1/3.17	detail /3.1	50.10 57.21 127.1
	l	l	l

			-
152:3 171:17 180:15	disinvesting 46:2	139:4 156:7 160:5	103:23 110:17 111:9
	dismantle 73:14		113:8 128:1 134:10
difficulties 177:6,6		161:17 165:2,9 170:12	
digging 171:17	dismiss 131:22 136:2	172:9 176:15,19 178:4	143:5 162:7,16 173:19
digits 118:10	disparate 134:11	178:18 181:18 185:9,9	174:9 175:8,23 184:20
dilemma 184:14	disparities 41:23 175:22	188:7,14 194:11,12	188:2 189:24 192:19
diluting 158:25	displacement 144:14	201:1 202:23	193:20 194:5,20 201:24
dimension 175:24	disposable 68:25,25 69:1	dollar 78:14 84:12 92:22	203:15 204:4 205:5
dimensions 174:9	disproportionate 9:4	140:17	early 38:4 40:5 48:23
diminish 150:9	23:2 28:22 34:19 94:17	dollars 29:12 41:2 42:25	55:5 70:23,25 71:16
dinner 105:5	134:11 158:1,8 159:22	60:19,20 177:8 188:22	72:3 73:21 125:17
dioxide 174:10	175:3 189:2	domain 36:9	151:3 194:24 201:2
direct 42:8 43:3 120:24	disproportionately	Donald 99:8	earning 78:6
165:2 169:16 172:7,23	131:23 159:14 185:14	door 116:21 129:25	easier 13:14 26:6 68:11
189:10	189:8	doors 201:19	easily 104:21
direction 10:10 114:15	disrespect 137:4	dormant 37:1	Eastern 162:15
directions 5:22 148:6	disrupt 162:20	Dorsey 4:1 152:9,11,12	easy 55:12 58:6 172:8
207:19	disruption 55:1 144:16	152:13 155:11 181:5	203:25
directly 40:10 54:22	distance 127:8,9 152:1	183:3 199:6,17	eat 105:5 133:2 172:18
99:24 196:25 197:6	distances 14:18,24	dotted 121:2	Ebert 126:3
director 2:12,16,17 3:4,5	distortion 159:16	double 118:10	echo 19:24 55:24 156:1
3:8,14 4:1,4,8 22:5,16	Distribute 55:15	doubts 67:22	eco 162:20
29:25 32:25 86:5 87:6	distributed 23:10 29:13	downtown 44:22	eco-tourism 31:13
92:4 100:3 103:7,13	188:24	dozens 41:3	ecological 59:13 141:25
152:9,13 155:12 161:5	distribution 28:9 178:22	Dr 4:5 68:10 76:14 104:6	economic 2:13 17:25
163:2,10	distribution 28.9 176.22 distributive 23:8 26:19	104:7 160:23,25 161:1	18:10,19,23 22:6,16
dirt 186:25	ditches 128:8	163:1 173:11 181:5,6	23:2,23 30:12 34:20,21
dirtier 88:3	dive 161:19	191:10,12 199:5,7	54:25 62:3 65:3 79:23
dirty 138:17	divergence 34:14	205:1,3	82:21 83:20,24 84:22
disadvantage 75:16	diverse 204:22	draft 90:4 192:25	87:13 89:17 120:10
disadvantaged 23:17	diversity 2:13 22:6,16	drastic 182:25	144:16 160:15,16
25:4,11 28:21 94:8	24:5,25	drawn 182:8	204:15
disaggregating 174:17	divide 8:24	drill 168:21	economically 87:21 94:8
disagree 75:3,18 164:14	division 4:8 163:4,22	drilling 169:18	economics 19:3 30:16
disagreeing 195:21	165:5,5	drink 32:20 88:2	34:23 69:5 71:22
disclosure 188:11	DNA 39:19	driven 139:12	155:22,23
disconnections 28:8	doable 193:8	driving 128:9 135:18,21	economists 82:16
discriminating 68:14	docket 1:3 7:6 102:19,20	drop 135:10	economy 24:4,20 35:2,4
discrimination 49:8,9	123:15,18 146:25 166:2	drove 19:2	64:25 144:10
discuss 6:10,14 30:5	166:8 209:15	dual 194:19	ecosystems 140:13,20
55:13 91:2 148:22	dockets 123:21,22 207:13	due 20:8 78:4 107:7	142:1 143:17
discussed 7:3	doctor 118:20 195:11	175:21	eczema 119:11
discussing 167:19	document 32:8 165:16	dull 20:14	Eddie 136:24
discussion 6:17 27:7	188:12 197:23 198:1	dumped 45:16	education 38:12 128:17
28:25 29:19 43:22	199:10	dumping 46:2	206:12
86:21 149:6,25 152:21	documentation 12:16	duplicated 180:3	Educator 3:12 98:24
152:24 153:5 155:10	documented 90:3 182:1	durable 9:24 206:24	effect 136:7 169:21,21
160:20 167:22 180:23	documents 73:22	duration 161:12	171:12 172:7,23 173:21
192:19	DOE 22:18 23:19 24:16	dust 42:21 135:16,17	174:25 185:11,13,15
discussions 6:18 41:25	24:21 163:11	duty 56:4	effective 154:4
53:10,14 67:21 86:23	doing 10:11 20:18 24:12		effectively 10:3 53:6
93:3 149:7,21 152:23	29:7 44:19,19 51:9,11	E	127:19
disease 94:13 118:21,24	57:10 64:24 66:23	E 5:1,1 18:10 30:12	effectiveness 38:15
119:5,11	74:10,19 75:5 77:21	105:22	effects 134:22 151:13
diseases 107:12	79:7 82:14 94:23	E's 17:24 30:12 69:20	154:17 165:11 169:17
disenfranchised 87:22	104:17 112:11 115:5,24	105:23	169:17 171:6,7 174:18
disinvested 45:16	121:19 122:8 137:20	earlier 44:8 55:8,15	175:4,9 185:21 187:4
	121.17 122.0 137.20		170.1,2 100.21 107.4
	<u> </u>	<u> </u>	<u> </u>

	1	ı	1
188:6 198:20 203:18	employees 67:24 74:25	56:20 67:20 71:7 76:9	13:10 14:5,25 21:11,15
effectuate 74:20	75:5	100:23 101:5,7,8	21:18 23:2 26:16 27:24
efficiency 62:8 157:15	employment 38:13	108:20 109:22 110:18	28:15 29:3,11,18 30:6
effort 10:23 41:6 55:7	empower 100:14	114:2 115:1 122:2,14	30:20 31:2,6 32:2,5,6
56:23,24 57:1 59:2	empowered 69:22 96:3	122:14,20 123:3,7	32:14 33:5,10,12,13,20
efforts 9:17 26:12 28:11	101:11	124:24 125:6,6 141:8	33:24,25 34:2,6 35:7,12
29:2,7,8,17 151:18	empowers 36:7	161:7 177:17 191:22	35:14,17 36:5,15 37:6
154:20 189:17	encounter 39:14	194:24 205:7	37:18 39:5,13 40:9
	encounters 125:12		
Egypt 132:21		engagements 106:10	41:13,22 42:5 43:20
EHS-Project 4:1	encourage 13:11 14:1	engages 6:18 86:23 149:7	44:1,2,11 48:15,20 49:3
eight 198:22,25	41:7 43:5 45:5 78:12	engaging 6:25 26:4 29:20	49:11 56:24 65:10 66:9
EIS 90:2,13,15,15 143:8	206:9	39:18 42:17 49:17	69:15,22 71:15 77:1,22
either 41:4 62:15 112:12	encouraged 14:8 30:8,18	60:12 63:21 70:23	79:23 80:8,18 83:17
197:17	44:13	71:16 73:13 88:6,9	86:13 87:13,15 88:6,9
EJ 12:9 35:20 39:19,22	encouraging 45:24 57:19	110:19 114:10 123:18	88:12,13,18 89:3,4,7,14
40:2 43:13,17 50:4	60:9	127:25 148:18 150:19	90:3 91:3,11,18 93:3,4
55:12 60:13 61:9,9,20	Endangered 141:19	153:23 156:6 194:25	93:7,8,14,17,21 94:2,14
127:5,14 145:21 156:5	endeavor 77:24	204:2,3	94:22,24 96:8 98:5,17
157:9 158:10 159:20,21	ended 159:5	engine 83:20,24 84:22	99:6 100:11 102:11
160:2 165:14 166:19,20	endure 77:25 136:11	engineer 187:13	108:9,18,22,23 109:1,5
166:22 171:20,22 174:7	137:1	engineering 17:25,25	113:14 116:17,18,19
175:20 196:4 197:1,1,2	enemies 49:13	18:7 19:3 30:11 50:16	117:20 119:11,18
198:5,17 201:5 204:12	energy 1:2,9 2:12 7:18	engineering-wise 82:6	120:10 121:14 127:20
elderly 135:22	8:6,10,12,15 9:1,5 22:5	engineers 52:4	128:14 131:25 133:6
elders 59:12,12 202:2	22:14,17,19,24 23:1,5,9	English 6:4 17:2 58:23,25	141:9,12,16 142:4
elect 145:4	23:12,13,15,18 24:12	enjoy 135:23	143:3,23 144:10,25
elected 53:7 56:9	24:18,20 25:6,22,25	enjoyed 96:12,15	147:18,21 148:21,25
electric 8:14 15:9,10,11	26:16 27:1,16 28:12,22	ensure 8:9 9:13,24 13:18	150:18,22 151:5 152:9
15:11 19:12 38:18	34:20,24 35:2,3,4,5	25:2 28:14 33:15 35:2	152:15 154:1,7,11,13
177:11 178:3	38:25 39:6 41:8 45:3	38:21 53:18 59:11 70:7	154:18,20,23 155:13,18
electricity 139:18	58:10 62:4,8,23 64:4,8	89:13 91:23 145:2	156:4,13 158:2 159:17
electrification 62:10	64:16,17,25 65:2,8 90:7	180:2	160:16 163:3,3,10,12
electrifying 189:14	98:3,10 107:22 140:15	ensuring 23:9 28:22	163:16,17,25 164:12,16
elevating 199:13	143:23 151:11 153:2	enter 182:20	165:6,7 166:1 168:10
eliminated 129:13,13,15	177:10 178:12 209:4,19	entered 96:17	169:19 174:18 175:5,13
eliminating 169:20	enforceable 25:17	entering 194:3	176:2 177:24 178:25
Ellen 10:1	enforcement 36:18	entire 26:10 83:25 84:1	179:17,19 180:2,8,10
email 42:8	108:18 114:9	103:20 124:12 157:21	181:16 184:2 185:12
embarking 34:10	engage 26:6 28:14 29:17	171:25	190:8,9 194:5 196:3
embed 22:18 28:23	44:16,17,24 48:9,15	entirely 107:18	198:9,14,20,24 199:3
embedded 63:2 161:15	56:5 58:7,18 59:7 61:1	entities 57:18	200:1 203:23 204:22
162:23	61:8 62:24 70:25 71:25	entitled 21:14 106:18	206:3,21 209:7
embedding 24:4	72:2 73:10 86:10 87:10	148:20	EPA 44:18,20 46:23,25
emergency 35:18 97:23	91:24 110:25 111:19	entity 69:6 189:23 192:12	50:3,23 51:12 79:8 80:2
108:5,7	114:15,22 116:8 120:7	environment 3:6 39:13	82:14 93:18 173:16
eminent 36:9	122:3 123:9 146:12	40:22 87:6 103:15	182:23 192:23 204:13
emission 35:21 118:2	154:4	117:5 141:13 143:10	EPA's 80:11
emissions 90:16 109:1	engaged 39:24 58:25	145:4 151:9,12 155:24	equal 17:17 21:2 36:16
120:25 122:9 131:24	67:14 109:23 135:5	161:5,6 163:3 169:8	59:11 111:3
132:23	190:18 194:2	185:9	equality 66:11
emit 118:3		environmental 1:3 2:7,10	equalty 140:12,20
	engagement 13:4 14:3		
emits 94:3	24:24 25:14 26:1,2	2:22,23,24 3:16,19 4:4	equation 71:18 72:4
emitted 93:19	27:25 29:4,5 38:4 41:21	4:8 5:5,7 6:12 7:19,24	83:14
emotion 104:25	42:3,4 43:11 44:10 46:9	7:25 8:20,25 9:10,12,15	equations 81:22
emotions 104:18	46:15 48:4 50:5,6,8,13	9:21,23 10:2,7 11:10,21	Equator 43:15
emphasize 203:21	54:6,9,21 55:4,5 56:7	11:23 12:1,9,15,25	equitable 25:10 37:7 70:8
	l	l	l

		I	l
91:7 105:22 139:9	Everyday 86:8	74:23 75:7,9 88:17	F
143:22	evidence 32:11,13 89:17	195:25 200:8,12	F 134:5
equitably 23:10 85:12	89:23 207:14,20	expected 200:14	face 9:3 86:13 104:14
equities 176:14	evident 130:19	expecting 192:23	113:2 130:15,16,23
equity 1:4 2:8,10 3:19 5:5	evolve 75:22 76:10,15	expenditures 177:9	156:19 192:8 199:14
5:8 6:12 7:20 8:19 9:13	79:7,15 85:2 154:8	expense 140:17	faces 66:12 104:19
9:13,15,23 11:21 12:14	evolves 35:4	expensive 82:6 142:16	130:19
15:22 21:12,15,18	evolving 76:23 79:9	187:24	facilities 8:13,13,14
22:18,18,21 24:3,4,5,10	154:24	experience 13:4,5 15:2,8	15:13,18,19 17:22,23
24:19,25 25:6 26:17	ex 6:16 114:20	17:24 21:6 40:4 81:12	18:6 19:23 20:11 31:9
27:3 28:7,23 29:3 34:2	exactly 60:23 124:17	81:13 125:5 137:12,22	34:15 35:23 41:1,17
37:22 38:2 41:13 45:11	130:1 146:8	137:23,25 140:2 141:24	64:5,23 77:15 88:13
46:5 50:14 52:11 64:22	examining 121:15	156:13 166:18 195:16	102:9 106:6,17 134:13
66:11 85:6 88:18 89:3,5	example 18:16 39:6 41:15	experienced 12:25 40:3	153:17 155:8 161:20
89:7 90:21,23,24 91:1,2	60:10 67:4 89:19 97:15	114:17	174:19,20 176:4 183:19
91:4,6,15 96:8 147:21	121:8,10 131:11 132:14	experiences 13:1,2	195:6
163:25 197:3 206:3	144:13 159:3 162:14	124:24 154:2 166:23	facility 15:17,17 18:8
209:7	169:24 174:25 175:2	experiencing 119:25	19:7,9,18 31:1 42:20
equivalent 90:8,10	181:14 182:7 186:4	experimented 204:12	84:25 109:17 118:1,6
erring 192:12	191:25 196:18 201:15	experimenting 64:21	127:10 129:2 134:23
especially 45:5 58:14	examples 42:20 125:4,6	expertise 26:13 55:10,11	152:17 160:7 184:7,7
84:2 143:14 158:4	exasperating 175:3	195:8	facing 103:21
169:1 175:20 204:18	exceeded 118:2	experts 7:20 12:10	fact 34:15 42:10 46:15
205:16	excellence 102:4 154:1	explain 46:21	50:13 51:1 60:10 97:12
essential 12:6 20:19	excellent 113:23 203:19	exploited 93:11	103:17 106:17 111:6
43:13	exchange 191:20	explosion 108:1 133:19	135:3 136:13 181:19
essentially 52:17 137:19	excited 9:20 118:17 140:6	133:22	191:18 197:8 205:20
138:6,15 140:9,16	149:23	explosions 108:2 133:24	factor 49:16 114:25
142:12,21 143:12	exciting 130:15	export 8:13 31:9 40:24	169:6,6
establish 55:3 89:25 90:1	excuse 11:16 124:21	84:25 102:9 107:14	factors 36:6 38:12 82:10
established 51:11 91:15	executed 39:7	134:13	82:10,24 160:15,16
establishment 156:11	executing 56:25	exporter 31:4 107:2	facts 81:2 89:23
estimate 78:2,3,6,13	executive 2:16 3:8 29:25	exposed 118:1	factual 81:6 82:23
estimated 107:5	46:5 78:17 92:3 164:7	exposure 107:5,10 108:23	faculty 161:4
et 55:2,16 191:17 ethnical 34:7	164:16,24 196:9 exercise 13:19 14:6	exposures 173:20	failure 32:3 50:9
ETJ 127:11	exist 19:14 37:4 41:23	express 135:19 151:4	fair 8:21 9:1 33:9 59:17
Etta 126:3	43:14 53:3 97:19 99:14	expressed 91:5	70:7 103:19 106:4
European 64:20	existed 76:17 87:17	expressed 51.5 extend 10:15 86:18	153:20
evaluate 109:3 184:13	existing 18:19,23 43:17	161:11	fairly 20:5,21 85:13
evaluating 154:17 157:13	55:1 144:16 155:2	extensive 121:15	89:14
evaluating 154.17 157.15	175:21 176:2 183:24	extensive 121.13 extent 207:10	fairness 8:19 15:22 16:1
evaluations 183:6	184:4	external 2:24 57:23	19:25 20:25 21:2
event 5:11 11:5 27:18	exists 128:25	externalized 81:15 82:8	faith 60:14 145:18 202:19
142:20 145:7 205:4	exit 5:22 148:6	85:9	false 121:10 122:5
events 144:17 151:20	exiting 5:23 148:7	externalizing 83:3	familiar 14:22 183:20
eventually 207:21	expand 63:4 171:15	externally 88:16	families 69:7,10 78:4
everybody 7:18 14:17	188:1	extra 127:11	family 8:3 30:12 56:21
16:4 68:19 78:14 83:25	expanded 12:15 107:17	extractive 99:13	117:3 131:16 137:13
85:19 103:24 109:23	expansion 41:4 54:13	extreme 90:6 144:17	fancy 17:4,14 44:21
111:11 112:2 116:23	89:21,22 118:3 152:17	extremely 28:2 96:2	Fannie 103:12
117:7 124:11 168:8	expect 154:7 157:17	110:14 165:4 177:24	far 8:7 73:19 121:11
181:1 188:25 201:6	expect 154.7 157.17 expectation 157:5 199:24	189:18	125:16 135:9 151:23
205:15 206:11,12,23	expectational 88:18	Exxon 92:13	176:16 177:21 201:20
everybody's 104:1	expectations 41:25 43:12	eyes 106:24	fast 87:23 91:21 151:22
207:23	43:17 67:1 74:7,16,20	-, -, -, -, -, -, -, -, -, -, -, -, -, -	151:24
	12.17 5 , 11 , 11 , 10,20		faucet 116:24
1	I	I	I

	ı	•	1
favor 125:21	182:19 183:18 184:14	12:23 15:23 17:24 18:6	69:2,2,3,4,12 75:7,17
favorite 118:13,14	191:8 193:11,13 194:1	21:14 22:4 24:2 30:25	76:5 83:5 104:7,17
fear 131:8	195:8 199:23,25 200:8	33:20 34:5 37:13,21	109:12 120:15 129:5
February 27:23	200:17 204:12 205:22	39:9 40:3 41:16 50:4	133:16 137:8 139:14,21
fed 132:19,20	206:4,7	54:21 55:5 67:2,6 69:20	146:23 157:18 180:12
federal 1:2,9 2:18 7:18	FERC's 2:9 3:18 7:9 12:8	70:13 72:25 87:4 92:6	181:16 204:8
27:16 31:22 32:25	64:3 86:6 91:8	92:17 93:2,4 94:7 96:9	follow 5:21 39:4 42:18
33:11,16 45:2 46:13	FERC.gov's 99:16	97:21 99:1 106:15	54:9 79:5 120:4 148:5
56:1,21 97:8 114:1,16	fertilizing 158:16	111:3 112:1 113:21	199:8
157:11 163:14,24 164:4	fidelity 205:22	114:7 116:3 120:13	follow-up 61:12 192:18
164:22 165:1 166:3,10	field 106:13,14,17 115:6	128:5,24 129:20 132:3	followed 103:24 173:11
183:7,7 185:11 193:19	128:8 155:21 171:10	135:11 147:23,25 148:8	181:5 199:6
194:16 195:23 196:1,2	193:19	148:10 149:14 150:7,23	followed-up 116:9
196:6,10,20,25 197:5,9	fields 32:21	156:1 164:3,24 165:1	following 39:24 47:4 72:9
197:15,25 209:4,19	fifth 101:12	174:6 178:17 179:6	86:17 149:4
feds 56:6	fight 104:8 116:19	199:12	food 109:19 118:21,24
feed 142:17	fighting 107:20 117:7	first-hand 107:24	132:17,18 133:2 144:19
feedback 42:9 48:1	132:22	firsthand 8:1	182:11
feel 14:14 53:12 67:17,21	figure 36:23 48:21 67:11	fish 98:1 113:4,4,5,6	foot 119:1,10 187:7
74:13 91:25 95:19 96:3	76:4,24 91:22 112:10	138:12,13,14,16,19	football 19:16
100:1 104:17,18,25,25	120:22 143:25 172:8	139:4 142:18,23 143:18	force 85:8
108:15 123:18 124:17	194:17	162:6,20 191:16	forced 98:11
124:21,21 130:7 131:16	figuring 76:20 177:14	fisheries 142:10,20	forefront 28:7
132:5,5,6 145:15,17	file 209:19	fisherman 104:5 137:17	foremost 15:23 18:6 67:2
feeling 132:9	filed 58:3	142:9,13	99:2
feels 14:15	filing 72:20 73:22 74:5	fisherwoman 96:1	forever 115:8 193:7
feet 113:7 153:16	filings 72:19,23 74:8	fishery 97:19,22	forget 196:8,9
Felix 2:9 5:4 21:8,9 22:8	131:22 154:14,19	fishing 31:13 96:23,24,25	Fork 161:21
22:15 27:12 37:13 44:4	fill 9:20 82:25 83:2	97:16,17 138:11 139:7	form 129:20 185:10
46:11 47:24 85:17	129:20 181:2	fit 151:16 177:23 190:25	formal 41:20
fellow 10:11 60:1 84:7	filled 9:16 12:17 125:18	205:24	
99:3	fills 175:14		formally 9:23
		fits 154:5 172:21	former 12:7 89:1,2
felt 31:1 95:19 131:12	final 36:13 80:16 99:12	five 60:19 93:23 106:15	140:23
fence 11:10 23:4 32:16	140:24 142:6 185:4	106:20 119:3 134:4	forms 20:10
35:17 112:23 125:24	200:10 205:11 207:24	fix 166:14,14	forth 53:14 149:25
126:4 160:4	finally 10:6 19:24 42:17	fixated 173:14	fortunately 38:6
FERC 3:3 8:6 10:12 11:7	85:11 157:23 160:12	fixed 31:2 133:9,14	forum 12:11 13:17 33:13
15:5 30:4,8,18 31:5	175:22	flare 99:24	forums 91:6
32:1,15 34:12 36:1,6	finance 103:15	flights 122:16	forward 10:15,17 27:7
43:16 45:2 52:16 53:18	financial 34:23 55:9 78:3	flooding 161:25	29:18 37:8 43:22 45:1
58:4 60:3 61:6 64:3	financing 56:19	floods 144:18	87:23 90:20,23 115:10
72:18 74:7,21 77:11	find 19:8 26:12 35:19	floor 72:20 110:11	139:5 141:7 143:22
79:13 86:12 88:6,7,11	56:13,16 68:2 112:17	137:10	149:24 152:7 155:9
88:20 89:6 91:13 92:9	123:20 172:7 179:24	flow 25:3 81:9 85:4	160:20 164:1 167:13,15
93:5 96:7 97:8,11 98:6	187:25 188:14 197:7	focus 39:2 53:22 67:17	168:9 176:19,24 178:9
98:9,13,17 107:21	202:10 203:25	70:23 80:3 87:12 180:8	179:1 191:8 193:6
108:25,25 109:7 114:13	finding 63:3 67:20 171:8	191:4	206:23
116:13 125:7 132:12,24	172:21	focused 89:7 152:15	fossil 35:11 87:25 88:8
133:15 140:25 141:15	findings 132:11	154:11	103:14 107:3 131:23
145:11 150:6 152:20	fine 118:22 119:3 159:22	focusing 181:8	foster 40:21
153:7 154:14,15 156:3	finish 62:17	folk 135:10	fostering 90:24
156:8,21,22 157:2	fire 5:20 113:7 114:9	folk's 54:5	fought 137:18 139:11
	133:19,21,22 148:4	folks 45:2,7,11 47:2	found 13:6 19:13 20:9
158:2,17 159:4,8 160:6	, ,		
158:2,17 159:4,8 160:6 160:11,14 161:7 163:13	firm 111:6	48:17 49:14 50:21,25	34:23 66:20,24 67:15
160:11,14 161:7 163:13 174:4 178:9,24 179:11		48:17 49:14 50:21,25 52:9 54:12 55:2 63:20	34:23 66:20,24 67:15 90:25 125:22 131:22
160:11,14 161:7 163:13	firm 111:6	*	

195:2	fund 25:3	geography 65:1	goals 28:2 57:6 70:7
foundational 156:3	fundamental 156:13	geometric 187:13	154:23
194:25	fundamentally 25:23	getting 31:17 51:2 56:18	GOAT 138:7
Founder 3:7,13 92:3	funding 24:21 29:12	56:19 59:10,11 60:12	God 14:16
103:7,13	42:23 50:24 56:19	118:16,17 121:22 122:1	goes 15:25 46:10 117:13
four 83:7 87:12 90:11	67:12 73:6 116:7	128:24 151:17 197:4,5	119:8 189:13 193:10
97:16 134:4 138:9	187:23 188:16 189:12	GHD 90:16	196:25
174:4 176:5 192:22	196:19 197:5,12,17	Giljohann 31:15,16,20	going 7:20 8:22 11:12
frame 28:18	199:9,9	Gina 4:1 152:9,13	15:20 16:5,6 18:1,2,8,9
framed 56:3	funds 182:24 196:25	girls 67:8,8 106:2,18	18:12,18,21,24 25:7
framework 24:14,15	further 44:16 76:11	109:14,15,16 121:17	26:2 27:9 33:19 45:19
33:23 43:13 52:18,20	87:23 88:23 118:24	give 13:12 22:22 26:23	46:8 48:12,19 50:14,17
54:8 55:4 61:7 72:16	167:21 175:3	36:3 59:17 61:9 65:24	50:17,18,19,20 51:3,4,5
74:7,15,22 79:10 190:9	future 6:9 28:13 62:4	76:2 86:25 99:16	51:9,10,16,20,20,24
190:10,14 193:11	102:6,13 139:10 157:3	102:12 118:22 119:2	52:1,3 56:6 57:5,23
frameworks 43:14,18	171:8 179:2	126:19,20 134:5 137:8	58:8 62:12 63:20 64:9
frank 128:4 167:14		145:5 149:9 162:14	64:23 65:1,9 66:9 73:1
frankly 32:3 50:19	G	167:8 168:22,23 177:3	73:10 75:3,10,12,12
106:24	G 5:1	186:8 187:9,23 188:15	76:2,14,21,22 77:5
free 64:17 98:7 115:7	gain 93:12	188:16 192:15 196:17	80:18 81:6,7,9,20 82:4
133:20	gaining 156:20	200:21 201:10 203:7,11	82:19,22 83:12 84:12
Freeman 198:10	game 126:1	203:12	85:4,8,10,12,13 86:7,18
Freeport 11:15 30:21	gap 48:8	given 20:8 30:23 57:25	90:20 95:15 101:13,20
99:22 108:1	gaps 175:14 181:1,14	100:10 106:9 173:23	102:20,23 104:13
Friday 129:7	Garcia 31:12	178:1 197:19	109:13,21,22 111:15,15
friend's 116:25	gas 3:11 8:12 15:12 19:19	gives 80:20	112:22 113:13,13 115:8
friends 95:13	31:5,9 35:21 83:23	giving 93:15 113:3,5	115:14,19 117:14 118:3
front 10:6 22:22 25:25	88:13 89:10,18 90:16	134:3 164:6 167:4	118:14,21 120:21
32:7 39:25 52:2 85:3	91:8,11 98:24 100:4	202:25	125:12,15 126:11 127:1
87:1 107:20 116:21	106:19 107:2,3,14	glad 11:7 12:17 30:19	127:4 128:4,10,18,23
133:8 149:11 170:3,4	109:1,2 116:12 133:11	44:5 124:19	129:16 130:8,20,21
Front-Line 3:1 86:2,8	150:14,15 153:6,10,12	glass 122:18	131:18,19 132:8,11,25
frontline 11:10 12:24	153:13,15,17,18,19	Glick 9:11 89:1 116:1	133:1,1,2,19,20,21
23:17 25:11 32:16	172:2 179:8	Glick's 12:7 140:23	134:5,8,18,23 136:16
35:17 83:16 100:13,21	Gate 139:1,1	go 7:16 22:7 27:11 29:25	136:16,18,21 139:2,3
100:22 101:9 104:3,7	gather 42:11	32:25 37:12 40:18 44:2	142:15 143:12,13 144:8
104:16 105:9 115:23	gathering 96:23 153:11	44:6,15,25 48:24 49:24	146:10 147:2,3,5
116:10,13 119:22 123:4	Gavin 27:22	49:24 50:8 53:8 55:2,17	156:16 158:19 166:13
131:13 145:21 fruit 204:6	geez 71:24 Generty 110:2 11	55:20 58:7 62:18 63:9	166:14 167:10 170:11
fruit 204:6	Genarty 119:2,11 general 2:10,19 3:18 5:6	65:17 66:5 67:7 69:9	170:13 171:18 172:6,11
fruition 26:17 fuel 35:11 87:25 88:8	general 2:10,19 3:18 5:6 30:15 31:16 37:11	70:1 74:2 77:8 80:23 87:7 88:25 92:5 93:1 15	173:4 177:15,18 179:5 179:7 181:11 184:20
107:3 131:24	30:15 31:16 37:11 87:12 93:25 147:22	87:7 88:25 92:5 93:1,15 95:23 102:24 112:13	1/9:/ 181:11 184:20 187:24 188:21 192:14
107:3 131:24 fulfill 18:9	87:12 93:25 147:22 generally 176:19	113:21 116:23,25 117:2	187:24 188:21 192:14 195:20 197:6,12 200:25
full 13:15 61:4 81:25 82:5	generally 176:19 generated 192:6,9	119:18 120:18 131:5,10	201:14,20 202:10 203:4
130:25 140:7 188:10	generating 15:12,18 18:4	135:12 136:9,23 137:9	201:14,20 202:10 203:4
209:20	18:4 19:12	138:23 149:17 150:4	205:3,12,18 204:6
fully 20:6 34:1 56:14	generation 47:4 199:12	151:22,22,23,23 152:11	gold 25:19
81:16 156:18 174:17	generational 196:18	151:22,22,25,25 152:11	golden 135:3
175:9 176:19	generations 41:10 47:4	160:25 163:5 166:8,24	good 5:3 22:6,8 25:18
Fulton 3:11 98:23,25	59:14 81:20	170:10,25 172:3 178:17	27:12 39:12 43:13
99:1 103:6 122:12,13	generic 77:12 90:18,21	183:6 185:6 187:20	46:21 49:14 52:17
fumes 100:1	genius 187:14	189:1 197:8,9,12	53:16 54:1 57:19 65:13
function 168:1	genuinely 11:24	201:20 202:5,8,12,13	65:20 66:23 81:16
functions 59:5 71:1	geographic 54:25 158:24	203:2,15 205:16	90:22 92:7 103:12
201:22	geographically 159:18	goal 24:19 181:12	107:24 111:18,20
	8 - 8 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	g = 101114	

114:14 127:23 129:25	121:10,20 122:8 176:10	194:10	hearing 10:17 11:13
132:19,20,20 136:22	grounded 151:7	happens 126:10 207:15	44:21 45:9 52:1 53:19
147:19 149:18,19 150:5	grounding 151:8	happy 5:6 55:17 83:16	53:23 62:19 122:6
152:12 160:10 161:1	grounds 31:6 35:14	112:8 176:6	125:17 126:15 128:20
172:8 176:5 196:5	115:24	hard 46:1 70:17 71:21	128:23,24,25 129:1,2
199:17 205:11,12	group 3:10 4:2 5:12,25	79:14 81:18 120:4	129:12 130:8 140:24
gotten 49:20 106:14	9:23 49:3 95:23 96:2	124:20 146:1,1 151:2	154:10 182:22
196:5	108:12 148:3,9 152:11	harder 68:21	hearings 51:10 127:23
govern 76:24 85:7,12	157:12 159:18 202:5	Hardy 209:24	128:6,7,7,12 131:10,15
governed 131:4	204:3	harm 31:13 32:12,19	136:1,20
government 2:21 7:21	group's 154:12	143:8 191:14 197:10	heart 22:13 24:16 94:12
27:25 28:1 40:17 44:14	groups 29:16 42:1 43:14	harmonizing 43:16	114:23 203:7
45:24 46:13 50:22 51:7	55:12 80:3 82:18 89:23	harms 32:14	hearts 109:18
56:1 57:18 69:5,6 70:15	120:13 145:13 168:18	hat 179:6,7	heavily 31:1 79:8
71:1 74:12 92:23 97:8	Grove 14:22	hate 201:12	heck 139:11
98:20,20,21 113:11	grow 173:8	hats 179:6	held 33:21 35:9 38:19
114:1,2,8,11,11 155:20	growing 118:11	hazardous 94:4 108:23	58:24 149:19 209:18
163:17,17,24 165:1	guarantee 18:11 137:1	hazards 175:7	Hello 163:6,7
194:17 197:3 205:6	187:17	head 99:25 122:9 150:24	help 8:9 9:13 13:4 25:13
government's 68:24	guess 61:19 104:22	headache 100:1	26:14 53:15 60:20,21
governmental 185:22	131:13 187:12 195:19	heal 23:14 138:20 139:5	60:22 63:4,5 67:11,22
governments 29:5 98:7	guests 10:16	health 23:2,23 33:6,10	74:19,23 75:22 76:10
114:6 140:10 142:2	guidance 32:8 103:2	36:5 77:1 78:4,22,25	77:16 79:18 94:24
Governor 27:21,22	109:4 156:25 199:19,21	79:6,9,15 80:4 81:17	110:23,23 123:20,25
governs 17:10	199:23,25 200:18	82:14 88:4 94:4 107:4	133:15 139:9 141:22
grab 203:4	guide 139:9 158:2 192:25	107:11 121:4 152:9	145:4 156:8,10 158:17
grail 180:10	guided 43:17	155:24 160:17 169:2	168:12 177:16 178:24
grandchildren 103:4	guideline 200:10	173:21 174:7,12 175:4	186:12 195:1 197:25
grandma's 137:16	guidelines 200:4,8	· ·	200:11 202:23 206:23
S		175:9,18,21 180:8,9	
grandparents 14:21	guiding 54:20	182:11 192:20	helped 10:2 12:7 17:5
grant 51:2 196:21	gulf 8:1 14:20 40:24	healthy 83:19 121:6	40:4,5
granted 36:6 112:12	94:18 99:17 102:8	138:20	helpful 171:16 177:13
grants 29:13	103:14,21 116:1 132:20	heap 94:17	178:10 180:24 184:22
granular 158:23	gumbo 132:19,20	heaped 94:25	199:4 206:11
grateful 140:22	guys 125:18	hear 7:2,20 8:22 27:13	helping 16:18 67:25 76:4
gravel 135:15 186:25	Gwen 104:4	32:18 42:11 44:13 52:5	79:15 113:4 145:11
graves 97:6	Gwendolyn 100:7	61:2,16,17 62:1 77:14	197:20
great 16:10 22:11 27:15		87:5 110:14,15 111:10	helps 8:16 188:17
50:1,5 60:3,3 74:3 76:1	H	116:20 117:19 120:21	Herald 121:11
92:21,23 93:1 94:7	half 11:18 107:13 127:10	125:1 126:10 130:21	heritage 81:18
103:22 115:5 157:22	170:2	131:18 136:12 149:14	hey 46:17 51:12,20 167:7
169:9 170:19 172:12	Hammer 103:12 112:17	162:17 164:20 166:12	170:11
173:4,17 181:3 186:1	hand 14:16 47:18 56:14	184:22 185:1 202:9	hidden 182:7
201:7,12	66:22 116:3 118:21,24	206:9	hiding 9:25
· /	*		
greatest 68:23 138:8	119:1,10 168:1	heard 11:24 28:17 30:23	high 67:10 107:9 139:25
greatly 92:19	hand-picked 111:21	32:16 46:17,18,20 48:3	168:15 185:14
greatness 101:22	hands 45:25 205:25	48:7 85:18 91:25	higher 111:14
green 143:17,17,19 175:7	hang 135:13	110:18 111:9 120:14	highest 111:13 195:13
greenhouse 35:21 90:16	happen 15:24 51:5 54:17	121:23 134:9 137:20	highly 64:23
108:25	56:18 100:16 115:13	140:1 145:16 156:1	highway 19:11 117:11
grew 7:25 78:7 102:1	119:9 176:22	158:13 165:22 166:1,15	185:12 196:2
grid 28:9 189:25	happened 90:4 98:14,15	166:23 167:8 168:15,15	highways 170:1
grocery 133:13	100:19 108:3 126:22	172:14 184:25 198:2	Hip 3:5 87:6,8
ground 24:19 54:12	138:4 147:11 177:25	200:25 201:24 203:15	hire 70:16
55:16 63:17 66:14 73:3	happening 75:23 120:17	203:22 205:16 206:7,9	hires 43:3
80:22 116:10 120:17	120:22 138:19 193:18	206:12	hiring 24:7 67:24 111:10
00.22 110.10 120.17	120.22 130.17 173.10	200.12	111.10
	I		I

H	47.16.57.14.15.50.24		102 22 104 2 105 2
Hispanic 31:8 127:15	47:16 57:14,15 59:24	imagine 64:6,8 118:9	193:23 194:2 195:3
historic 24:11 25:1 27:1	70:1,2,10	imbalances 72:13 176:22	197:2,24 199:10,14
45:22 141:18 173:24	Hough 55:20	immediate 117:11	impetus 113:11
195:4	hour 5:17 16:25	immediately 117:4 203:5	implement 29:7 57:23
historical 72:13 96:14	hours 95:18	immortalizes 33:23	76:18
97:19 154:2 162:24	house 93:6 102:1 116:25	impact 2:13 8:2 15:20,21	implementation 27:5
175:23	121:16 122:18 129:25	18:12,15,21 22:6,16	36:18 108:18 165:7
historically 25:4 43:21	137:16 165:12 170:14	34:18,19 38:14,14	implemented 24:16 28:4
49:20	187:18 188:2 198:10	41:24 46:2 52:3 78:16	76:19 91:1 132:10
histories 45:25 46:2 79:2	houses 42:9 170:9,17	78:22,25 79:6,9 80:5	implementing 24:9,9
166:9	housing 38:12	81:17,25 83:25 84:13	179:20
history 30:17 45:14 72:14	Houston 14:19 32:21	89:14 90:3 97:11 98:19	implicating 17:16
87:15 144:24 161:8,19	75:8 147:4	134:10,10,11,11,12,19	implications 8:8
172:9 182:2 194:11	Huang 4:3 155:12,15,16	144:19,22 156:24	importance 145:2 192:12
hit 110:7	173:11,13 193:17	162:20 169:23 170:15	199:8 205:6
hits 73:3 158:13	203:20	170:24 171:22 173:25	important 7:19 8:17
hold 51:21 113:7 192:14	huge 170:24	174:21 175:13,17 180:9	10:13,13 12:19 22:12
hole 173:6	hugely 198:13	180:20 182:5,16 185:12	27:18 28:2 29:20 30:6
Holiday 101:25	human 87:14 93:10 169:7	187:7 194:11	33:4 34:1,13 36:19
holistic 157:25 170:17	humanity 54:5	impacted 3:1 11:9 15:16	37:16 40:14 41:6 43:7
holistically 193:5	humans 34:9 143:25	16:4,5,6,8,15 38:17	48:17,23 49:1 61:19
holy 180:9	hundreds 40:20	39:10 48:6 54:24 71:10	77:23 108:9 110:14
homage 92:17	hunting 96:23	76:10 86:2,8,12 88:22	113:24 128:2 139:8
home 64:10,12 97:15	hurricanes 108:8 133:14	108:21 114:3,4 119:20	141:4,4 145:25 146:12
99:25 105:6 112:13	144:18	128:13 131:23 133:5	146:20 149:21 152:22
124:11 133:3 136:9	hurt 99:25 197:10	157:5 177:25 178:23	155:9 157:1 159:7
138:17 140:3 142:16	hurts 171:13	182:2,24 183:2 199:12	160:14 161:10,23 162:1
143:13 172:19 178:6	husband 126:8	impactful 152:23	162:8 164:2 165:11
186:6,7 192:1 202:24	Hyatt 100:8 104:5	impacting 18:15 183:25	170:9 174:3 181:10,12
homelands 98:12	hydroelectric 8:13 143:2	184:2,9	181:13 185:8 191:22
homes 8:16 42:10 135:24	161:8,20 181:8	impacts 3:17 8:5 9:4 10:9	192:3 194:8 206:8
139:18 164:19 170:21	hydropower 143:16	12:1,15 23:3 28:20 32:6	importantly 43:2 60:7
hometown 94:25	162:17	35:16,21,22 49:2 54:25	156:20
honest 47:25 69:1 76:8,9		59:8 61:20,20,22 63:21	impossible 10:22 197:9
113:2	I	75:20 77:10,10 78:4,20	198:3,7
honestly 49:10 76:5	IAC 165:13 198:10	79:10,16,25 80:10,17	impoverished 84:19
78:17 108:13	idea 55:25 64:2,20	81:14 82:14,21,21	impress 95:6 180:20
honor 11:6 114:1 150:10	ideas 13:12,12 64:17	88:13 89:25 91:17,22	impressive 11:5
honored 54:14 83:16	identical 81:3	98:4 107:4,11 108:16	improve 41:12 85:18
96:2 155:16	identified 38:22 157:10	117:20 118:4,5 119:18	138:21 147:2 151:19
Hop 3:5 87:6,8	159:14	120:21,24 121:4 133:6	154:8
hope 12:23,24 13:8,16	identifies 158:1 197:19	134:14 144:12 145:15	improvement 13:7
24:11,17 27:13 29:6	identify 10:7 41:16 48:10	146:8 147:18 148:22,24	139:24
30:9 65:8,10 69:24	54:21 55:14 80:5 109:5	156:15,18 157:14 158:2	improvements 155:3
81:12 102:18,18,20	148:24 154:4 157:9	158:5,7,9,11 159:14,17	improving 9:9 10:7
123:1 140:7 145:18	158:7,7,9,10,24 159:20	160:1,4,8 161:22	150:18 155:20
183:1 188:17	168:25 184:13 190:15	162:12,24 164:10	in-depth 105:15 180:25
hopefully 158:16 169:1	191:2 196:3,11 197:16	168:11,14,20 169:1,2	in-person 5:21
hopes 12:23	197:22 198:4 201:5	173:19 174:2,8,12,13	incentive 189:14
hospital 133:18	identifying 3:16 42:2	174:16,23 175:6,14,18	incentives 189:15,16
hospitals 133:12	79:23 147:17 148:21	175:21,24 176:20,22	incident 66:10
host 83:16	156:5,15,17 158:22	177:14 178:7,10,11	include 27:5 28:7 29:8
hosting 99:3	168:10 193:21 194:4	180:23 181:13,25,25	54:11 69:7,11 78:1
hotel 44:21 105:4	196:5	182:4,7,10,25 183:4,17	84:11 154:13 165:20
Houck 2:14 22:1 27:9,11	ignore 83:14	184:6,14 185:5 191:18	168:17
27:12,15,19 29:24	illegal 52:10	192:19,24 193:6,19,22	included 38:24 39:2
	1	1	1

107.17			100.12.101.2
187:17	industry 8:7 9:24 35:24	inputs 38:24 39:25	190:12 191:3
includes 42:13 69:5 197:3	36:4,7 50:12 57:20	193:16	interstate 35:23,23
206:14,14,15	66:20 74:3,8,9,14,16	insight 39:18	153:10 179:7
including 6:23 7:11 10:2	76:4,9 92:12 106:19	insights 12:10,12	interveners 207:13
27:17 29:21 31:11	107:14 111:17 112:6	insignificant 90:17	intimately 112:7
32:18 36:17 85:3 97:8	117:23,24 130:25 131:1	inspiration 207:11	intrastate 15:12 153:11
107:11 115:23 140:18	131:17 145:21 150:15	installing 189:15	179:8
148:15 150:15 153:10	150:25 152:4 175:1	instance 78:8	introduce 21:20 86:14
156:24 159:17 188:8	inequitable 129:12	instances 65:18	149:1
inclusion 24:5,25	131:12	Institute 3:23 4:3 131:21	introducing 167:14 introduction 163:9
inclusive 62:2,3 120:13	inequities 26:24	150:3,12 155:13,18	
120:15	inequity 30:6 infer 89:12	161:6 institutions 63:23	intuitive 179:11 182:17
inclusivity 40:22 income 38:12 49:9	Inflation 23:22 50:23	insufficient 175:16	invaluable 12:10
108:24 128:16 139:19	influence 20:20		invest 24:24 38:18 67:4 202:16
153:23 160:15 186:22	influential 17:4	integrate 21:17 34:2 154:20	invested 50:11 60:22
202:22	influx 193:1	integrated 39:25	66:24 126:19 151:14
incomplete 31:24 84:18	inform 12:11,12 16:14,14	integrating 43:17	178:13
inconsistency 159:10	79:18 174:2	integrating 43.17	investing 50:13 60:8
inconsistently 159:10	informal 41:21	155:14,18	61:14 63:22 79:8
inconvenient 129:6	information 7:5 45:13	intelligible 88:14	150:19 188:23 204:4
incorporate 6:11 9:10	59:10 176:25 194:7	intend 6:13	investment 41:2 44:23
11:20 62:2 109:3	199:4 202:6	intended 29:13 108:11	61:18 196:19 204:5,21
154:25	informed 20:6 60:6 83:2	139:6	investments 23:18 24:2
incorporated 141:14	98:7	intentional 26:18 100:17	79:13 178:4 188:23,25
incorporating 14:5 35:21	infrastructure 1:4 2:8	intentionally 27:3	189:4,7,11,19 190:17
incorporation 55:17	5:8 6:13 9:8 21:12,15	Inter 165:12	invitation 22:10 37:16
increase 29:13 45:18	23:21 25:9 26:21 30:7	interact 80:7 131:8	104:13
60:16 141:8 144:14,21	34:11 35:11 41:2,8	interaction 174:6,11	invite 40:11 76:3 79:13
175:6	43:19 70:20 72:21	204:6	79:14 116:8 122:17
increased 154:9	86:12 88:8,21,23 96:8	interactions 71:5,6 154:9	invited 99:22 104:10,15
incredible 56:1 78:21	125:4,7 133:10,11	intercepting 106:21	116:1
incremental 45:18 80:5	148:22 153:2 154:25	interconnectedness 55:1	inviting 99:2
incumbent 46:7	155:6 176:23 178:3,7	interest 8:23 11:19 20:22	involve 119:22 146:15
independent 174:13	193:12 196:20 209:8	34:8 68:13 97:11,14	involved 105:10,21
index 175:17	inherent 58:1 96:15,18	124:12 143:15 153:3	119:25 133:5 150:14
Indian 96:9,10,12,16,20	96:22 97:3	206:19,22	157:17 176:25 195:5
97:9 114:3,5	inhibit 6:22 148:14	interested 177:4 181:9	involvement 108:16,20
indicated 91:2	inhibiting 123:17	interesting 100:15 145:23	153:20 165:21,23,23,25
indicators 160:13,16,17	initial 7:14 10:21 21:21	interests 33:16 68:21	166:3 167:7 172:4,6,21
indigenous 3:9 81:19	86:15 120:5 149:2,12	97:12 121:17 181:19	involves 8:11 179:9
84:9 92:18 95:22 96:2	181:11 194:24	interfere 6:20,20 148:12	involving 119:20
107:4 108:17 117:25	initially 181:24	148:13	Ipeka 43:14
137:22 140:13,20 141:4	initiative 25:2 163:15	interim 200:9,10,17	IPM 51:4
indirect 120:25 144:21	injustice 52:11 69:17	internal 57:22	Iron 139:1,1
169:16 172:24	85:6 89:5 93:21 94:14	internalizing 73:9	irregular 64:8
indirectly 54:22	94:23,24 108:22 113:17	internally 59:19 88:16	irritation 118:19
individual 36:22 80:25 173:22	128:14 132:1 162:11,13	internet 123:19 139:17	issuance 173:20 issue 8:24 10:14 12:2
	164:25 168:11	interning 53:24	
individually 146:6 174:15	injustices 12:25 103:20 104:14 128:19 133:15	internships 62:15 interplay 70:14	30:6 31:21 54:19 57:6 60:7 98:5 108:9 120:23
industrial 15:17,18,19	161:15 164:7	interpratation 6:4	124:4 144:11 147:8
42:20 106:18	input 13:21 48:1,23	interpretation 6:4 interrupted 6:19 86:24	150:24 182:12 183:17
industrialize 87:23	121:25 122:2 157:20	149:8	185:18 192:6,7 203:24
industrialized 87:19	160:18 168:18 184:22	interruption 31:15	issued 58:11 109:4
industries 31:14 99:13	184:24 192:18 205:13	intersect 51:24 128:15	173:17
11144501105 J1.17 JJ.13	101.211/2.10203.13	111015000 51.27 120.15	113,11
	I	I	I

171:14 186:24 202:23

202:25

killed 68:15,15

issues 7:3 8:2,5 12:21
14:12 17:17 21:6 28:18
29:18,21 40:3,5 56:11
80:8 89:15 94:21 121:3
121:4 127:20 139:16
141:12 144:23 157:14
158:19 159:25 165:7
175:8 183:25 186:10
194:5 206:18
issuing 189:19
items 168:20
iterative 73:22 200:15
ivory 166:16

James 2:3 100:8 104:5 **Jealous** 2:16 29:24 30:1,2 31:19,21 32:23 35:9 45:12 48:16,17 50:6 63:10 68:7,8 69:25 71:3 71:13 72:6,9 75:13 77:20,21 78:24 83:8,10 83:11,13 101:24 113:8 Jefferson 30:15 Jim 87:18 Joaquin 58:21,22 **job** 16:13 62:18 63:14,18 65:15,15 147:6,6 179:1 195:10 206:4 jobs 16:11 23:18 43:2 62:7 63:19 67:1,3,19 111:4 129:7 136:3 177:7 Joe 198:11 **John** 3:7 92:3,9 132:15 **Johnson** 2:17 14:20 32:24 33:1,2 37:11 54:2 54:3 55:19 63:9 66:7,8 66:17,19 71:3 78:19 79:19,21 83:8,9 joined 11:18 joining 11:11 Jones 100:7 Jr 92:9 **Julie** 2:20 40:16 jump 74:21 96:5 167:20 **jurisdiction** 77:16 127:3 127:12 134:14 186:17 jurisdictional 86:12 153:8 154:14 **jurisdictions** 97:3 194:16 **jurors** 131:2,4,5 jury 131:6

9:10,12,15,21,23 10:2,7 11:21,24 12:1,9 13:10 14:5 15:1 21:11,15,18 22:18 23:1,5,6,8,10,13 23:25 24:3,9,12,18 25:2 25:6,22 26:15,16,17,18 26:19,19,20 27:24 28:16 29:4,11,18 30:6 30:20 31:2,6 32:2,5,6 32:14 33:5,12,13,24,25 34:2,6 35:7,12,14,17 36:5,15 37:6,18 39:5 40:9 41:13,22 42:5 43:20 44:1,11 45:11 46:5 48:15,20,25 49:11 50:14 56:24 65:11 66:9 69:15,22 71:15 77:22 80:8,18 83:17 86:13 87:9,13,13,16 88:7,9,13 88:19 89:3,7,14 91:3,11 91:18 93:3,4,7,8,8,9 94:2 96:8 98:5,17,23 99:6 100:11 108:9 109:1,5 113:14,17 116:17,18,19 120:10 127:20 128:21 131:25 133:6 141:10,12 143:22 143:23 147:18,21 148:21,25 150:22 151:5 154:1,8,18,21,23 155:13.18 156:4.13 158:2 159:17 161:5 163:3,4,10,12,16,18,25 164:12,16 165:6,8 166:2 176:14 177:24 179:17,19 180:2,10 185:12 190:8,9 192:13 194:5 196:3,22,23 197:3,20,22 198:9,14 198:20 199:3 203:23 204:15,22 206:3,21 209:7

K

K 102:24 Kari 3:11 98:23 182:8 Katy 106:21 Katz 10:1 keen 11:19 keep 8:16 13:19,22 64:12 122:13 128:10 kerosene 64:11 key 28:17 39:18 126:21 152:24 153:7 195:14 kidney 94:12 kids 69:8 119:23 129:4,10

kills 143:17 kind 17:1 18:3 55:25 57:7 58:15 63:15,18 64:18 75:6 95:17 112:14 155:25,25 171:11 174:5 176:9 180:15 182:1 193:24 195:16 197:24 200:5 203:21 **Kinder** 4:1 152:11,14,22 152:24 153:1,1,9,15,19 kindly 103:1 kinds 6:18 86:23 149:7 160:12 179:16 **King** 68:9,10 76:15 117:13 **Klamath** 97:15 98:16 114:17 137:14 138:3,3 138:9 139:10 140:5,19 140:24 142:25 143:21 Klamouth 182:8 knew 115:6.7 knock 201:19 know 11:15 12:20 14:2,2 16:19 17:4 18:2,14 19:17 20:3,15 25:7,8,9 34:21 36:21 37:15,25 40:4 45:8 48:9,17,18 49:11,16 51:1 53:13 55:24 56:11,18 57:8,11 58:2,20 59:14 60:3,8,11 60:25,25 62:9,13,20 63:12 64:18,25 65:1,16 65:19,25 66:1,22,22 69:3,13 71:19,23,24 72:9,10 73:2 74:11,13 74:14,18,19 75:20 76:3 76:13 78:5,5 80:2,3 81:24 82:17 83:15,19 83:22 84:15,25 97:25 100:19,20 101:16 103:9 103:23,25 104:8,20,23 105:8,20 106:22,22 109:23 112:2,7 113:1,2 114:2,6,9 115:4,13,14 115:24 117:12,23 118:6 118:10 121:25 122:22 123:17,18 125:13 126:23 127:6,16,19,21 128:6,12 129:4,7,14,21 129:23 130:1.18 131:3 131:5,21 132:17 133:23 134:9,16,20 135:12 137:18,19 138:11,15,16

138:17,18,25 139:1,5,7 139:13,16,18,20 140:4 140:9,15,16,22 141:7,8 141:12,18,20 142:3,6,9 143:1,1,4,7,8,9,11,15 143:15,18,20,22,25 145:10,23 146:2,14,17 146:23 147:2,4 150:13 157:16 160:2 164:11,14 166:13,19 167:5 168:14 168:15 170:2,22,25 171:10,22 172:3 176:24 177:9 178:5,15 179:13 179:13 180:13 184:21 184:22 185:1,1 186:1,4 186:5,6,9 187:1,6,7,15 188:1 189:3,6,6,15 190:11,17,19 193:18 194:9,15 195:2,4,5,6,24 196:2,15,15 197:19 199:2,10 200:3 201:1,8 201:9,19,25 202:3,16 203:6,8,9,9,11 204:2,12 206:17 knowing 129:22 207:17 **knowledge** 38:16 59:13 59:14 65:19 141:25 142:3 195:13 known 96:13 99:19 knows 128:25 132:17.19

L L 2:2.14 4:7 LA 149:22 lab 178:12 **labor** 24:24 lack 45:18 91:2 98:10 161:24.24 lacked 90:25 **ladders** 97:17 138:14 142:22 162:6 191:16 laid 164:23 172:1 176:10 176:16 192:22 lake 11:16 67:4 107:12 107:16 108:2 land 29:9 34:7,19 87:18 92:18 93:10 96:14,20 96:21 97:5 108:24 128:8 141:5 183:24 184:9,10 landowners 36:10 183:25 184:17 lands 97:4,7 98:4 161:18 161:25

landscape 27:2 36:12

KV 20:13

justice 1:3 2:7,10,23,24

3:12,17,19 4:4,8 5:5,7

6:12 7:19,24,25 8:21,25

landscapes 59:15	learned 13:2 37:19 50:3	138:1 173:2	living 34:9 51:8 69:16
lane 187:7	59:3 143:21 146:15	lighting 186:9	116:22 117:3 176:21
language 58:23 78:17	178:16 206:13	lights 143:24 186:9	LNG 8:12 30:25 31:4
88:18 91:2 128:21	learning 11:14,14 151:20	limitations 114:17 146:17	35:22 40:21 102:8
languages 128:22	lease 189:17	limited 58:13 207:18	107:17 108:1 118:1
large 8:6 37:24 108:11	leave 7:1 76:14 137:8	limits 114:20 118:2	132:24 135:3 176:4
143:5	148:19	127:12,13 128:17	loading 63:14
larger 135:19	leaving 87:21 105:5	146:14 175:19 187:2	lobby 5:22 148:6
largest 34:10 107:2 126:5	led 36:11 115:10	line 11:10 15:19 18:1,16	lobbyist 20:20
153:2,12,15	Lee 30:15	19:12 20:13 23:4 25:25	local 42:1,23 43:2,19 56:9
lasting 9:24	leery 45:10	32:16 35:17 56:19 64:7	62:12 63:2,22 66:22
lastly 43:12 55:21	left 27:6 28:18 38:3 44:25	64:9 81:4,5 94:11	67:24 111:10,11 133:21
late 56:19 186:5	49:24 83:8 125:19	112:23 125:24 126:5	140:10 150:19,21 155:8
laterals 18:3	136:15 137:16 181:19	139:25 160:4 183:10	157:11 177:22 183:11
Latino 31:8 117:24	185:24 200:24	188:19	190:16 193:20 201:17
Lau 2:19 37:11,12,13	legacy 87:24 102:4,5	lines 15:9,10,11 22:22	located 17:22,23 34:15
40:16 55:21 59:24,25	140:15	42:8 82:15 107:20	97:7 107:18 176:4
61:25 63:8,14	legal 17:9 50:15 88:11	162:17	location 159:6 160:3
launched 48:25	89:9 93:16 96:11 98:2	link 147:25	171:15
launching 78:21	98:14 111:24 127:3	liquefied 153:18	locations 97:1 114:6
laundry 135:13	137:19 175:19 207:7	list 13:14 105:23	logistics 5:10 147:24
law 4:3 15:13,25 20:4	legality 88:4	listen 6:22 48:18,18	long 14:6,18,24 44:20,25
23:21 76:16,17,20	legally 160:9 206:24	51:23 98:18 148:15	45:11 47:7 53:13 56:17
114:8 121:14 146:15	legislation 55:3	167:11 202:4,10,11,14	63:13 67:19 131:9
155:14,21,23 196:20	legislature 29:12	listened 38:23	134:20,21 138:13
205:22,24	lens 38:2 56:4	listening 12:10 38:19	153:19 157:11 161:11
laws 76:18,21,25 77:2	lesson 140:7	42:17 49:6,17 85:2	178:14,14 185:25
108:19	lessons 37:19 139:8	101:2 124:12 150:20	194:10 201:3
lawyer 49:14 76:13,14	178:16	151:4 182:4	long-lived 41:2
201:13	let's 19:3 51:16 81:4	listens 202:5	long-standing 154:17
lawyers 16:25 17:1,2,4,14	88:25 118:24 131:7	lit 64:12	162:10
20:3,21 50:15,20 52:4,9	134:18 148:20 149:13	literacy 166:7	long-term 41:3 60:9
lay 164:19 177:8	193:4 197:2 201:15	literally 107:20 119:12	67:24
layer 180:4	letter 98:20	138:25 139:22 166:25	longer 21:22 86:15 121:5
layers 182:4	letting 129:25	little 8:22 15:8 33:19	149:2
lead 23:25 26:15,23 28:5	level 36:16 53:21 76:25	34:14 45:9 53:25 57:8	look 10:17 27:6 29:18
32:5 33:9 57:8 78:6,7	77:12 145:11 150:9	64:19 68:22 95:12	34:24,25 37:8 43:9,22
107:10 117:17 144:14	157:10 168:15,21	105:21 124:23 125:12	45:1 52:16,18,24 53:3
157:15 159:16 175:1	193:19	138:10 158:17 159:24	57:22 59:6 70:3 71:20
leader 53:5 203:16	levels 85:7 144:13 175:2	165:10 170:9 190:18	79:14 80:14 81:25 82:2
leaders 7:21 30:20 32:17	175:19 179:23	195:22 198:5 206:13	82:3 85:11 88:15 91:16
42:1 48:10 49:4 51:19	Levine 104:6	live 40:13,23 41:18 53:20	91:17 99:15 101:22
52:25 53:4 56:9 84:16	liberation 87:11,12	69:14 93:11 98:1	102:7,8,14 116:3 117:5
139:13,22 145:4 152:20	license 138:3,3 181:11	101:24,25 102:1 105:25	121:13 123:1 130:13,14
201:5,18	licensed 181:15	106:3 107:8,13 117:22	130:19 133:1 138:24
leadership 9:17 12:7	licenses 161:9,10,15	118:6 121:6,6 123:10	141:9 155:9 157:8
14:11 33:13,21 45:23	162:3,9 181:9	125:23,24 126:16	159:20 160:20 161:14
46:12 52:8 114:22	licensing 162:24	129:21,23,23 135:9	162:11 163:18 165:9
leading 10:4 22:20 53:1	lie 37:1 113:2	138:16,16,18 192:11	167:1,15 169:5,17
68:16 109:18 144:20	lies 98:4	lived 34:22 126:16	170:17,20 171:20
1 1 1 6 1 7 2 2 2 2 2 2 2	life 66:11 116:14 138:12	156:12 166:18	172:10 173:2 175:15
leads 16:17,20 30:10		livelihoods 171:2	176:20 177:1 178:11
138:6 206:24	144:20 166:11 173:22		
138:6 206:24 leak 108:4	180:14 182:14	lives 68:20 97:25 107:20	179:11 181:10,24
138:6 206:24 leak 108:4 learn 12:23 32:18 41:20	180:14 182:14 lifetimes 34:11	lives 68:20 97:25 107:20 117:3 121:6 126:4	179:11 181:10,24 187:11 190:10,16,19
138:6 206:24 leak 108:4	180:14 182:14	lives 68:20 97:25 107:20	179:11 181:10,24

1 11 20 2 11 12 20 2	105 17 106 1 2 202 1	141 11	102.22.104.1.16.18.21
looking 28:3,11,12 29:9	185:17 186:1,2 203:1	141:11	193:22 194:1,16,18,21
53:11 57:18 58:2 59:10	lowest 138:25	Mark 2:5 105:23	194:24 195:10 203:25
72:18 75:19 79:5	lucky 146:2	market 8:15 159:3	204:7,9 206:8,8
100:20 101:3 111:10	lunch 5:18 86:17 122:15	Marks 99:6	meaningful 23:6 24:23
115:22 119:16 121:17	147:9,13,16	Marmalano 198:11	25:14,22 26:1,2 28:16
121:18 133:17 149:24	lunchbreak 86:19 147:15	married 80:4 142:2	30:10 42:3,17 44:9 46:9
152:7 160:3,14,15	lung 94:12	marrying 80:19	46:15 54:6 100:23,25
161:7 163:18 168:8	lungs 94:4 109:18	Mars 20:14	101:5,7,8 102:13
169:9 171:4,6 172:23	Luther 68:9 117:13	marshal 207:14	108:16,19,20 115:1
174:15,16,19 180:18,18		Marshall 101:23 102:1	122:2,13,14,20 123:3,7
181:17 182:9 185:11,19	M	Martin 68:9 117:13	123:20 145:15 157:7
187:4,10 191:8 193:6	M.C 112:16	Martina 9:16	158:15 165:20,23,25
196:13,16,24 197:8,12	ma'am 31:19 72:10	Martinez 3:18 147:19,20	166:3 167:7 177:17
197:16,16,22 198:24	mail 42:8	150:1 152:8 155:11	178:11
looks 28:9 40:12 93:17,21	main 18:3	160:22 163:1 167:17	meaningfully 44:24
94:2,14 99:17 113:18	maintain 26:21,22	173:10 176:7 179:3	91:24 114:22 120:7
115:22 116:23 117:8	maintenance 152:17	181:4 185:6 188:18	122:3
118:21 198:19	major 64:4 87:25 93:22	189:21 191:10 195:18	means 17:25 19:5 25:23
Los 3:21 149:15	143:1 153:13 170:14	199:5,16 200:21 205:1	26:2,4 32:3,17 34:18
lose 8:18 143:12,13	187:18	masking 159:1	84:22 88:19 89:12
loss 81:18,18,19	majority 15:11 159:6	match 190:25	100:11 111:11 116:7
lost 97:5 126:7,7	makers 28:17 57:18 59:7	matches 156:12 195:16	122:14,20 126:2 156:5
lot 12:3,22 14:2 20:17	123:24 131:17 150:21	materialize 111:5	176:17 177:4 186:14
30:16 31:9 45:7,10	making 21:19 25:22	materials 55:16	measured 56:24 57:1
46:24 48:3 50:3,23,25	32:17 36:17 45:22	math 75:18,22 76:10,15	measures 20:22 62:8
52:7 57:11,16 59:2,2,2	46:25 48:4 55:7 60:4	76:24 78:9 81:6,8,10,14	media 205:5
59:3,18 65:20 68:22	61:8 62:23 63:25 67:9	81:21,22 82:3,23 84:11	medieval 178:12
72:4,11 75:17 77:16	73:16 79:13 83:4	84:17 85:2,10	meet 39:3 48:8 57:5
82:18 85:9 91:13 95:4	102:16 105:2 126:2	Matt 79:22 80:11 173:18	meeting 5:20 7:10 89:1
110:17,18 111:4 119:24	128:11 139:21 149:20	matter 35:11 88:8 95:17	108:7 126:14 148:5
125:24 126:10 135:9,15	154:21 155:20 169:10	103:17 114:23 135:3	149:19 166:24,25 177:3
136:8 137:22 139:12	173:16 178:4 188:21,25	146:20 174:10 209:5	202:1
160:20 166:6 170:5	189:4,5,7,9 194:9	matters 7:14 62:25	meetings 13:24 42:9
173:13 178:13 182:21	195:15 196:25 197:4	149:13 158:12 159:23	102:17 126:11 136:20
184:25 185:1,2 186:2	makings 133:7	Matthew 2:22 43:25	146:5 203:2
186:10 193:18,23 194:4	mama 117:2	maturities 190:11	Mel 100:8
194:21,23 195:2 196:6	manage 74:23 200:7	Maury 14:20	Melanie 104:4
196:20 197:10 199:19	managed 96:12	max 175:2,15	member 33:6 71:9 92:14
201:1 203:20 204:7,11	manager 2:19 37:12	maximize 38:14 55:7	95:24 102:2 137:13
205:16,16,19,22 207:18	126:16	Mayfield 100:9	150:13,17 161:4
lots 45:17 110:20,20	managing 154:13	mayor 53:6	members 6:23 7:7,21
Lou 103:12	mandate 46:4	mayors 53:1	11:8 26:9 42:11,13
Louisiana 3:13 30:21	mandates 34:6	McNamara 3:3 86:4,5	51:23 52:22 53:2,19
40:25 95:13 103:8,14	maneuver 58:16	92:2,6 95:21 98:22	55:13 59:12 62:14 68:1
103:20 104:6 105:24	Manhattan 33:5	103:6 110:3 113:19,22	71:4 86:11 90:24,25
106:1,3,8,20,21,24,25	manifested 94:6	115:2 120:2 122:11	96:7 97:4 100:5 101:10
108:3 131:3 132:18	Manning 4:5 160:23,25	134:7 147:7	116:5,10 121:18 126:3
133:11 144:18	161:1 163:2 173:12	mean 28:24 45:19 51:24	128:12 145:12 148:16
love 61:16 63:11 123:21	181:5,6 191:11,12	64:2,13,17 68:2 73:1,20	150:6 151:14 162:18
123:23 169:4 206:9	199:6,7 205:3	75:5,23 80:21 81:8,9,10	163:13 182:9 191:22
loves 70:15	manual 199:25	81:12 83:9 101:7 131:6	199:10 201:5
low 108:24 128:15	map 38:10 75:14,15	137:4 156:20 159:23	memorialize 25:20
175:10 186:22 202:22	80:25 99:16	160:8 165:19,24 167:10	men 130:24
low-income 23:3 31:1	March 1:12 90:7 151:3	168:19 172:6 173:16	mention 134:17 135:5,7
33:9 108:16 109:16	209:17	174:5 175:10,24 177:18	mentionable 134:17
117:25 159:1 166:21	marginalized 43:21	181:25 187:12 193:21	mentioned 12:16 22:15
	-	-	-

motions 125:13 126:12

22.5.55.14.90.11.00.14
23:5 55:14 80:11 90:14
90:15 109:14 134:10
149:21 154:10 162:7
165:22 174:9 175:8,23
177:1 182:17 184:20
188:2 191:14 193:20
195:6 199:21 205:5
mentioning 194:23
mentor 199:11
mentoring 67:16
mentorships 62:16
merit's 17:10
merits 17:18
messaging 39:2
met 28:23 58:24 103:4
146:5
metallic 20:13
methane 107:2,3,5,14
method 39:7 66:21
methodologies 91:17
165:15
methodology 157:9
168:17
methods 42:8 55:12
180:16 184:13 190:15
mic 52:2 87:4
microphone 21:23 47:14
87:2 110:10 149:11
167:23
middle 194:13
Middleton 4:5 160:23,25
161:1 163:1 173:12
181:5,6 191:11,12
199:6,7
Middletown 205:1,3
mighty 26:25
mile 127:9,13 160:6
miles 18:1,3 125:19
127:10,13,14 153:4,10
millennium 96:12 142:1
million 29:12 60:19,20
69:3,4 81:7,7 90:8,13
107:6
millions 42:25 118:3
Milton 112:14
mind 16:21 21:1 62:21
134:15 146:23
mine 94:18 126:13
143:11
minimize 11:25 148:24
169:1
minimized 171:12
minimum 55:3
minor 170:14 171:11
minority 141:13 166:22
185:17 186:1,22 202:21

```
minute 5:16 75:10,12
  85:23 118:23 205:2.2
minutes 21:22 37:8 52:2
  83:7 86:16,19 95:6,18
  149:3 200:24
mirrors 132:7
misery 134:23
misinformation 110:20
misrepresenting 113:3
missing 53:15
mission 8:11 33:6 89:24
  123:2
Mississippi 103:10
mitigate 11:25 25:13
  61:22 156:18
mitigated 39:15
mitigation 20:9,10,17,18
  20:22 63:24 82:2
  181:16 187:5,6 191:15
mix 112:16 125:18
mob 130:24
Mobile 83:23 84:1 92:13
mobilized 87:16
mock 52:1
Moderator 2:9 3:3,18
modern 33:23 142:3
modernization 188:20
mom 106:2 118:14,20
moment 75:1 89:20 115:7
  118:9 122:24 168:13
moments 36:19 137:7
Monday 129:7
money 50:21 66:12 68:14
  68:22 101:11 126:2
  169:14,14 187:10
  197:18
monitors 51:3
mono 71:11
monolith 56:11
monolithic 192:11
Monroe 14:20,22
monstrous 107:23
month 9:19 90:4 100:5,16
  100:18 118:10 124:1
months 58:12 97:23
  119:7
Montina 89:3
moon 16:6
moral 89:12 111:7
Morgan 4:1 152:11,14,22
  152:24 153:1,2,9,15,19
morning 5:3,15 22:6,8
  27:13 86:7 115:9 148:1
  149:18 170:4
mother 126:17
Mothers 129:10
```

```
motivation 101:21
motto 92:11
mottos 104:9
mouth 118:21,24 119:1
  119:11 137:14
move 14:16 42:3 57:25
  90:23 103:2 139:5
  141:6 143:22 164:1
  170:16 171:15 179:1
moved 170:24
movement 33:24 36:22
  66:10 91:14
movie 136:24
moving 10:9 88:9 167:12
  176:19,24 178:9 182:15
  189:23
multi-billion 92:22
multi-faceted 42:7
multi-layers 183:6
multi-state 204:18
multiple 174:7,8,25 177:7
  179:9 183:11
Murphy's 136:24
mysterious 78:21
           Ν
N 5:1 19:4
N.E 1:10
NAACP 131:22
NAACP's 48:25
name 5:4 27:2 47:13 86:4
  105:16,17 110:7 111:23
  125:15 128:5 129:21
  130:4 131:6 134:13
  136:21 147:20 150:11
  167:2,8,22 202:7 209:6
named 8:4
names 93:15
nametag 100:24
narrow 160:6
nation 35:1
nation's 28:22
national 9:21 53:21 94:11
  151:5 153:22 178:12
  198:9,14 199:3
nations 96:10 97:3 142:7
native 4:6 160:24 161:4
  161:16,16 201:24
natural 8:12 15:12 19:19
  89:10 91:8,11 96:13
  109:2 150:14,15 153:6
  153:10.12.13.15.19
  169:8 179:8
navigate 191:8
near 22:12 111:15 117:25
```

```
118:6 125:24 129:2
  187:1
nearby 174:18
nearly 34:12
necessarily 80:17 81:23
  193:3 196:23 198:18
necessary 32:2 36:8 48:5
  79:4 177:17 178:18
necessity 15:6 19:5 36:7
need 10:14 19:5,13,21
  20:9 22:24 25:16 28:13
  28:20,23 32:4 35:25
  36:4 38:11,23 47:1
  48:11 50:7,8 52:5 53:22
  54:16 57:18,19 59:6
  60:16,24 61:1,2,10,22
  64:25 67:11,16 68:3
  70:3,4 74:9,18,25 75:4
  77:18 80:25 81:24
  84:18 90:10 91:20
  101:14 103:4 105:22
  106:24 109:16 111:2,3
  113:6,9 117:21 120:23
  122:3,25 127:24,24
  133:4,10 134:19 146:16
  152:2,4 160:1 165:9
  166:17 167:12 168:11
  168:16,19 169:10 171:9
  183:21,24 184:5,6,8
  185:1,1 186:9,9,10,13
  186:14.18 187:14.16
  188:5 189:6,6,18 190:5
  196:14 197:7,13,15
  198:22,25 200:12,17
  202:3 203:18
needed 19:18,18,23 38:20
  43:5 54:10 89:23
  105:15 187:16
needs 19:7,9,10,14,15
  28:23 32:9,10 36:17
  40:10 41:20,25 47:2
  52:20 66:25 70:5 75:9
  85:2 93:12 105:8
  131:15 151:17 154:3
  156:3,22 158:6,18
  166:9 183:13 184:14,17
  187:25 188:5 190:25
  191:1 197:21 200:2
  206:2
negative 9:4 71:20 80:12
  144:19 205:8
neighbor 25:18 117:1
neighborhood 53:5.7
  62:9,13 135:21 146:7
neighborhoods 42:21
neighboring 42:14
```

noighbors 42:15 107:25	non profits 66.22 161.16	offering 15:6	operator 152:0
neighbors 42:15 107:25	non-profits 66:22 161:16	offering 45:6	operates 153:9
neither 164:13	205:8	office 2:9,13,23 3:3,18	Operating 3:22 149:15 149:22
Nelson 2:20 4:7 40:16,18	non-sophisticated 17:14 non-technical 180:7	5:5 7:9 10:1,5 12:8 16:9	
40:19 43:24 52:14,15 54:8 63:10 66:18,19	non-technical 180:/ non-threshold 175:18	22:6,16,20 31:16 33:11 50:4,5 52:17 56:25 57:2	operations 4:2 152:10,17 153:13,21 190:12
,			*
68:6 74:2,3 75:2 163:2	Norgaard's 182:8	57:8 58:7,17 72:12 86:6	operators 153:16
163:6,9 167:17 169:3	North 153:3,13 161:21	91:16 100:17 105:12,20	opinion 177:3 192:10
185:6,7 195:18,19 201:11 202:20	northern 33:5 97:16 162:15	115:25 116:5,5,6,7	OPP 7:12 16:9,13 53:16 53:24 74:19 146:3
NEPA 12:16 77:19 89:10		146:3 147:22 157:22 173:16 202:13	204:3
141:17 163:12,19,25	not-for-profit 37:22 note 68:8 89:5 114:19,25	Officer 3:22 149:15,22	OPP's 12:12
		offices 13:25	OPP & 12:12 OPP@ferc.gov 7:13
164:12,13,15,18,18 165:7,13 169:5,8	124:3 147:9,25 164:2 199:8	official 30:23 209:1,25	opponents 145:9
185:10,20,25 188:9,10	noted 26:25 54:21 55:8	officials 52:25 185:22	opportunities 23:23 46:6
194:11 198:18,20	89:2,8,20 91:11	offset 90:10 185:21 188:6	73:6 111:4 151:25
nervous 75:6	notes 34:14 163:21	offshore 142:8	opportunity 14:4 21:21
network 3:7 33:12 92:4	206:16	oh 30:2 82:19 83:9 119:1	22:9 27:1 30:9,19 35:2
120:9 153:12 203:23	notice 170:3 177:2	119:3 144:8 150:5	36:20 40:8,14,20 44:24
networked 204:8	noticed 103:23	188:3 195:19 207:1	45:23 61:13 64:16 76:1
Networks 203:24	notification 16:8	Ohio 108:2	80:20 95:3 96:6 99:22
neutral 80:12	notified 16:4,12 60:6	oil 3:11 93:22 98:24	106:11 137:8,12 144:3
never 31:5 35:13 66:3	notify 16:7	100:3 116:12 133:11	146:7,9 149:20 152:6
72:8 74:13 103:4	November 138:5	150:15,16	152:21 155:4,17 164:6
105:16 116:14,15 129:2	NS 120:10	okay 15:4,16,20 16:4	192:16
137:16 162:4,19 171:20	number 1:3 16:2,3,7,14	18:9 31:19 50:22 51:6	opposed 54:17
new 8:5 16:9 18:18,20,24	16:17 28:5 29:16 94:7	52:10 72:8,9 77:9 83:6	opposing 98:12
23:18,18 62:20 63:6	112:10 125:11 174:17	83:10 105:13 122:7	opposite 5:24 148:8
73:15 74:19 89:18	203:22	125:9 128:4,10 184:7	172:11
91:14,14 100:4 106:22	numerous 92:15 93:2	185:7	ops 141:20
106:22,23,23 107:14,17	NYU 4:3 155:14,19	old 42:20 106:15 118:9	option 18:11,14 29:10
116:16 124:25 125:4	1,120 100.11.,12	118:23 119:13	optional 6:5
141:2 147:25 154:25	0	Olden 100:9 104:4	options 38:25 105:3,4,4,7
163:23 175:6 176:1	O 5:1	older 198:1	Orange 127:7
180:24 183:25,25,25	o'clock 129:4 147:14	onboard 89:8	order 52:5 67:18 72:19
184:3,8,10 192:22	OAR 28:11	once 20:9 31:5 57:3 71:23	115:15 138:4 164:16
200:4 204:14	obligation 13:10 16:21,22	85:11 89:2 111:23	176:13 180:10 192:2
newest 78:25	16:23 17:7,8,12,15,19	112:21 126:21 129:1,12	196:9 207:21
Newsom 27:22	20:2,25 21:1 44:13,15	ones 88:22 89:13 99:14	orders 46:5 164:8,24
NGOs 101:9 119:23	46:8 69:23 111:7	160:2 170:23 176:2	Oregon 140:11
140:10	observe 6:22 148:15	ongoing 7:4 55:5 154:15	org's 33:12
nice 109:20	observing 142:1	162:23 167:21	organic 207:8
Nicole 10:4 132:19	obtain 98:7,18	online 100:10 104:23	organization 29:14 33:6
night 129:3,8	obviously 63:14 73:20	107:17 109:24 110:8	87:10 112:14,15,20
nine 118:9,23	101:2,13 169:19 175:20	123:8,8	126:4 165:4
nobody's 130:11	204:10	onsite 88:20 121:19	organization's 150:9
noise 134:25 175:6	occasion 92:25	onus 13:20 194:22	organizations 27:17 29:5
non-black 107:9	occasions 39:22	Ooh 82:16	33:14 59:7 60:14,15,15
non-chemical 173:20	occur 5:20 54:7 148:5	open 30:9 42:9 48:12	60:21 63:2 64:24
non-discriminatory	occurred 68:12	51:7 109:25 167:20	105:11 116:11 122:24
164:18	odds 92:21	opened 58:12	123:4
non-federally 205:7	offer 10:24 34:4 35:6,10	opening 5:9 7:15 21:21	organize 140:9
non-Indian 97:7	36:14 41:14 76:12	47:11 86:15,25 113:24	organizer 103:23
non-Indians 142:9	102:15 122:15,15,16,18	129:25 149:2,9	organizing 3:11 11:5
non-influential 17:13	142:16 144:3	operate 36:8 40:23 43:19	98:24 100:3,4 116:12
non-jurisdictional 206:7	offered 35:10 44:8	143:2 153:4,18 155:8	120:9
non-policy 155:19	174:25	171:1	orientation 55:15
	-	•	-

origin 153:22
original 209:18
originally 92:19
Orleans 106:22,22,23,23
outage 147:12
outcome 25:16 71:25
158:16
outcomes 13:21 91:8
outgoing 89:1
outline 5:10
outlined 89:18
outreach 3:4 13:22 16:9
16:11 39:1,10 52:19
86:5 88:10,12,15
152:16 154:12 176:17
177:1,7 187:24 204:5
204:21
outside 7:10 53:21 70:6
77:15 121:12 135:14
overall 25:3 56:22 180:22
overburden 49:19
overburdened 32:13
174:24
overhead 162:18
overnight 184:21
oversight 204:10
overtime 144:9
overturning 68:10
owe 47:8 92:23
owned 37:21
owners 140:11,11 184:11
ownership 64:22
owns 18:17 153:9
Ozane 3:13 103:7,8,9,13
110:3 113:20 115:2,3
120:2 124:20,23 134:7
144:8
ozone 128:4 174:10

P 5:1 19:4 **P.E** 4:7 **p.m** 5:19 147:14 208:2 PACAN 112:20 Pacific 142:11 pad 78:22 page 148:2 paid 58:11 62:15 109:9 110:19 118:16 pain 104:25 paint 20:13,14 panel 2:7 3:1,16 5:17,18 21:11,14,16 27:17 28:25 29:19,22 30:5 42:13,16 47:23 48:3,12 72:9 85:23,24,24 86:2,7

86:10,17,18 94:20 96:3
100:21,22 103:19
109:10 110:14,17 111:9
115:22 117:23 121:21
130:16 147:6,14,17
148:20,22 149:4 152:21
152:22 155:5 156:9,16
132:22 133:3 130:9,10
158:21 163:20 167:14
168:9 169:4 192:19
198:12 201:6 203:22
panelist 21:20 86:14,25
103:7 149:1,9 160:23
panelists 5:12 11:6,11
13:19 21:23 22:1 47:11 47:16,25 57:16 59:9
47.16.25.57.16.59.9
(0.1 95.22 97.1 00.4
60:1 85:22 87:1 99:4
110:4 137:21 148:3
149:10 156:2 166:1
167:25 184:20
panels 5:14,16 131:21
156:1
paper 32:9 167:8
paradigm 25:9
paragraph 143:7
Pardon 31:15
parents 72:3
parish 106:20
parishes 131:3,4
parking 31:9 135:9,15
part 8:11 10:14 30:10
part 8:11 10:14 30:10
33:4 35:5 36:24 39:19
33:4 35:5 36:24 39:19 40:1 62:3,21 70:23
33:4 35:5 36:24 39:19 40:1 62:3,21 70:23 82:22 83:4,13 104:15
33:4 35:5 36:24 39:19 40:1 62:3,21 70:23 82:22 83:4,13 104:15
33:4 35:5 36:24 39:19 40:1 62:3,21 70:23 82:22 83:4,13 104:15 105:11 109:17,17
33:4 35:5 36:24 39:19 40:1 62:3,21 70:23 82:22 83:4,13 104:15 105:11 109:17,17 116:18 127:25 128:3
33:4 35:5 36:24 39:19 40:1 62:3,21 70:23 82:22 83:4,13 104:15 105:11 109:17,17 116:18 127:25 128:3 131:11 138:12,13 143:6
33:4 35:5 36:24 39:19 40:1 62:3,21 70:23 82:22 83:4,13 104:15 105:11 109:17,17 116:18 127:25 128:3 131:11 138:12,13 143:6
33:4 35:5 36:24 39:19 40:1 62:3,21 70:23 82:22 83:4,13 104:15 105:11 109:17,17 116:18 127:25 128:3 131:11 138:12,13 143:6 143:24 149:23 154:14
33:4 35:5 36:24 39:19 40:1 62:3,21 70:23 82:22 83:4,13 104:15 105:11 109:17,17 116:18 127:25 128:3 131:11 138:12,13 143:6 143:24 149:23 154:14 154:18 156:13 157:7
33:4 35:5 36:24 39:19 40:1 62:3,21 70:23 82:22 83:4,13 104:15 105:11 109:17,17 116:18 127:25 128:3 131:11 138:12,13 143:6 143:24 149:23 154:14 154:18 156:13 157:7 163:13 165:11 166:19
33:4 35:5 36:24 39:19 40:1 62:3,21 70:23 82:22 83:4,13 104:15 105:11 109:17,17 116:18 127:25 128:3 131:11 138:12,13 143:6 143:24 149:23 154:14 154:18 156:13 157:7 163:13 165:11 166:19 166:20,21,21,21,22
33:4 35:5 36:24 39:19 40:1 62:3,21 70:23 82:22 83:4,13 104:15 105:11 109:17,17 116:18 127:25 128:3 131:11 138:12,13 143:6 143:24 149:23 154:14 154:18 156:13 157:7 163:13 165:11 166:19 166:20,21,21,21,22 167:6 169:4,11 180:7
33:4 35:5 36:24 39:19 40:1 62:3,21 70:23 82:22 83:4,13 104:15 105:11 109:17,17 116:18 127:25 128:3 131:11 138:12,13 143:6 143:24 149:23 154:14 154:18 156:13 157:7 163:13 165:11 166:19 166:20,21,21,21,22
33:4 35:5 36:24 39:19 40:1 62:3,21 70:23 82:22 83:4,13 104:15 105:11 109:17,17 116:18 127:25 128:3 131:11 138:12,13 143:6 143:24 149:23 154:14 154:18 156:13 157:7 163:13 165:11 166:19 166:20,21,21,21,22 167:6 169:4,11 180:7 187:3,9 188:3 193:3,9
33:4 35:5 36:24 39:19 40:1 62:3,21 70:23 82:22 83:4,13 104:15 105:11 109:17,17 116:18 127:25 128:3 131:11 138:12,13 143:6 143:24 149:23 154:14 154:18 156:13 157:7 163:13 165:11 166:19 166:20,21,21,21,22 167:6 169:4,11 180:7 187:3,9 188:3 193:3,9 194:8 195:15,20,21
33:4 35:5 36:24 39:19 40:1 62:3,21 70:23 82:22 83:4,13 104:15 105:11 109:17,17 116:18 127:25 128:3 131:11 138:12,13 143:6 143:24 149:23 154:14 154:18 156:13 157:7 163:13 165:11 166:19 166:20,21,21,21,22 167:6 169:4,11 180:7 187:3,9 188:3 193:3,9 194:8 195:15,20,21 196:3,7,8,21 197:8
33:4 35:5 36:24 39:19 40:1 62:3,21 70:23 82:22 83:4,13 104:15 105:11 109:17,17 116:18 127:25 128:3 131:11 138:12,13 143:6 143:24 149:23 154:14 154:18 156:13 157:7 163:13 165:11 166:19 166:20,21,21,21,22 167:6 169:4,11 180:7 187:3,9 188:3 193:3,9 194:8 195:15,20,21 196:3,7,8,21 197:8 198:2 204:2 206:4,22
33:4 35:5 36:24 39:19 40:1 62:3,21 70:23 82:22 83:4,13 104:15 105:11 109:17,17 116:18 127:25 128:3 131:11 138:12,13 143:6 143:24 149:23 154:14 154:18 156:13 157:7 163:13 165:11 166:19 166:20,21,21,21,22 167:6 169:4,11 180:7 187:3,9 188:3 193:3,9 194:8 195:15,20,21 196:3,7,8,21 197:8 198:2 204:2 206:4,22 parte 6:16 114:20
33:4 35:5 36:24 39:19 40:1 62:3,21 70:23 82:22 83:4,13 104:15 105:11 109:17,17 116:18 127:25 128:3 131:11 138:12,13 143:6 143:24 149:23 154:14 154:18 156:13 157:7 163:13 165:11 166:19 166:20,21,21,21,22 167:6 169:4,11 180:7 187:3,9 188:3 193:3,9 194:8 195:15,20,21 196:3,7,8,21 197:8 198:2 204:2 206:4,22 parte 6:16 114:20
33:4 35:5 36:24 39:19 40:1 62:3,21 70:23 82:22 83:4,13 104:15 105:11 109:17,17 116:18 127:25 128:3 131:11 138:12,13 143:6 143:24 149:23 154:14 154:18 156:13 157:7 163:13 165:11 166:19 166:20,21,21,21,22 167:6 169:4,11 180:7 187:3,9 188:3 193:3,9 194:8 195:15,20,21 196:3,7,8,21 197:8 198:2 204:2 206:4,22 participants 2:1 5:21,25
33:4 35:5 36:24 39:19 40:1 62:3,21 70:23 82:22 83:4,13 104:15 105:11 109:17,17 116:18 127:25 128:3 131:11 138:12,13 143:6 143:24 149:23 154:14 154:18 156:13 157:7 163:13 165:11 166:19 166:20,21,21,21,22 167:6 169:4,11 180:7 187:3,9 188:3 193:3,9 194:8 195:15,20,21 196:3,7,8,21 197:8 198:2 204:2 206:4,22 parte 6:16 114:20 participants 2:1 5:21,25 6:5,16 26:9 59:4 86:21
33:4 35:5 36:24 39:19 40:1 62:3,21 70:23 82:22 83:4,13 104:15 105:11 109:17,17 116:18 127:25 128:3 131:11 138:12,13 143:6 143:24 149:23 154:14 154:18 156:13 157:7 163:13 165:11 166:19 166:20,21,21,21,22 167:6 169:4,11 180:7 187:3,9 188:3 193:3,9 194:8 195:15,20,21 196:3,7,8,21 197:8 198:2 204:2 206:4,22 parte 6:16 114:20 participants 2:1 5:21,25 6:5,16 26:9 59:4 86:21 148:5,9 149:5
33:4 35:5 36:24 39:19 40:1 62:3,21 70:23 82:22 83:4,13 104:15 105:11 109:17,17 116:18 127:25 128:3 131:11 138:12,13 143:6 143:24 149:23 154:14 154:18 156:13 157:7 163:13 165:11 166:19 166:20,21,21,21,22 167:6 169:4,11 180:7 187:3,9 188:3 193:3,9 194:8 195:15,20,21 196:3,7,8,21 197:8 198:2 204:2 206:4,22 parte 6:16 114:20 participants 2:1 5:21,25 6:5,16 26:9 59:4 86:21 148:5,9 149:5 participate 9:7 10:3
33:4 35:5 36:24 39:19 40:1 62:3,21 70:23 82:22 83:4,13 104:15 105:11 109:17,17 116:18 127:25 128:3 131:11 138:12,13 143:6 143:24 149:23 154:14 154:18 156:13 157:7 163:13 165:11 166:19 166:20,21,21,21,22 167:6 169:4,11 180:7 187:3,9 188:3 193:3,9 194:8 195:15,20,21 196:3,7,8,21 197:8 198:2 204:2 206:4,22 parte 6:16 114:20 participants 2:1 5:21,25 6:5,16 26:9 59:4 86:21 148:5,9 149:5
33:4 35:5 36:24 39:19 40:1 62:3,21 70:23 82:22 83:4,13 104:15 105:11 109:17,17 116:18 127:25 128:3 131:11 138:12,13 143:6 143:24 149:23 154:14 154:18 156:13 157:7 163:13 165:11 166:19 166:20,21,21,21,22 167:6 169:4,11 180:7 187:3,9 188:3 193:3,9 194:8 195:15,20,21 196:3,7,8,21 197:8 198:2 204:2 206:4,22 parte 6:16 114:20 participants 2:1 5:21,25 6:5,16 26:9 59:4 86:21 148:5,9 149:5 participate 9:7 10:3 16:15,16,19 17:6 20:7
33:4 35:5 36:24 39:19 40:1 62:3,21 70:23 82:22 83:4,13 104:15 105:11 109:17,17 116:18 127:25 128:3 131:11 138:12,13 143:6 143:24 149:23 154:14 154:18 156:13 157:7 163:13 165:11 166:19 166:20,21,21,21,22 167:6 169:4,11 180:7 187:3,9 188:3 193:3,9 194:8 195:15,20,21 196:3,7,8,21 197:8 198:2 204:2 206:4,22 parte 6:16 114:20 participants 2:1 5:21,25 6:5,16 26:9 59:4 86:21 148:5,9 149:5 participate 9:7 10:3 16:15,16,19 17:6 20:7 26:8 36:16 37:17 40:14
33:4 35:5 36:24 39:19 40:1 62:3,21 70:23 82:22 83:4,13 104:15 105:11 109:17,17 116:18 127:25 128:3 131:11 138:12,13 143:6 143:24 149:23 154:14 154:18 156:13 157:7 163:13 165:11 166:19 166:20,21,21,21,22 167:6 169:4,11 180:7 187:3,9 188:3 193:3,9 194:8 195:15,20,21 196:3,7,8,21 197:8 198:2 204:2 206:4,22 parte 6:16 114:20 participants 2:1 5:21,25 6:5,16 26:9 59:4 86:21 148:5,9 149:5 participate 9:7 10:3 16:15,16,19 17:6 20:7 26:8 36:16 37:17 40:14 40:20 58:6,9 59:4,21
33:4 35:5 36:24 39:19 40:1 62:3,21 70:23 82:22 83:4,13 104:15 105:11 109:17,17 116:18 127:25 128:3 131:11 138:12,13 143:6 143:24 149:23 154:14 154:18 156:13 157:7 163:13 165:11 166:19 166:20,21,21,21,22 167:6 169:4,11 180:7 187:3,9 188:3 193:3,9 194:8 195:15,20,21 196:3,7,8,21 197:8 198:2 204:2 206:4,22 parte 6:16 114:20 participants 2:1 5:21,25 6:5,16 26:9 59:4 86:21 148:5,9 149:5 participate 9:7 10:3 16:15,16,19 17:6 20:7 26:8 36:16 37:17 40:14 40:20 58:6,9 59:4,21 60:21 61:3,10 62:15
33:4 35:5 36:24 39:19 40:1 62:3,21 70:23 82:22 83:4,13 104:15 105:11 109:17,17 116:18 127:25 128:3 131:11 138:12,13 143:6 143:24 149:23 154:14 154:18 156:13 157:7 163:13 165:11 166:19 166:20,21,21,21,22 167:6 169:4,11 180:7 187:3,9 188:3 193:3,9 194:8 195:15,20,21 196:3,7,8,21 197:8 198:2 204:2 206:4,22 parte 6:16 114:20 participants 2:1 5:21,25 6:5,16 26:9 59:4 86:21 148:5,9 149:5 participate 9:7 10:3 16:15,16,19 17:6 20:7 26:8 36:16 37:17 40:14 40:20 58:6,9 59:4,21
33:4 35:5 36:24 39:19 40:1 62:3,21 70:23 82:22 83:4,13 104:15 105:11 109:17,17 116:18 127:25 128:3 131:11 138:12,13 143:6 143:24 149:23 154:14 154:18 156:13 157:7 163:13 165:11 166:19 166:20,21,21,21,22 167:6 169:4,11 180:7 187:3,9 188:3 193:3,9 194:8 195:15,20,21 196:3,7,8,21 197:8 198:2 204:2 206:4,22 parte 6:16 114:20 participants 2:1 5:21,25 6:5,16 26:9 59:4 86:21 148:5,9 149:5 participate 9:7 10:3 16:15,16,19 17:6 20:7 26:8 36:16 37:17 40:14 40:20 58:6,9 59:4,21 60:21 61:3,10 62:15

207:13,17
participated 207:11
participating 27:10 61:14
110:13 149:16 150:3
160:23
participation 3:4 7:9
10:1 12:8 16:10 26:11
29:14 38:21 42:4 52:17
55:8 58:19 61:4 86:6
91:16 100:17 101:1
105:12 116:6,6,8 146:4
157:23 161:24 207:23
particles 94:3
particular 78:7 80:9,13
114:4 131:12 141:2
168:13 175:2 191:19,23
207:12
particularly 11:8 22:22
44:8 57:17 59:12
150:18 174:22 176:3
182:22 199:19
particulate 174:10
particulates 94:4
parties 10:2 39:20 72:19
157:17 195:17
partner 76:5 152:6
partner 70.3 132.0
partners 36:16 39:23
parts 8:6 141:18
party 39:11 118:12 119:6
119:8
passage 142:23 191:16
passcode 6:6
passed 59:14 99:7,10
passing 180:19
passion 110:15 151:7
pastor 53:5 202:9
pasts 136:12
Pasture 31:12
path 40:6 72:19 79:5
135:3 151:24 165:2
pathway 139:23 206:23
pathways 26:12 35:4
182:16
patterns 69:17
Paul 2:19 37:11
pay 92:17 173:4
paying 50:15 80:9 104:20
109:10 189:12
pays 188:25
peacefully 136:17
peculiar 125:22
peeling 119:12
penalties 71:23
penalty 71:17
pending 6:14 86:21 149:6

pennies 84:23
Pennsylvania 99:23 people 8:24 9:2 15:16,20
15:21 16:5,6,12,19,24
33:8,20 34:22 41:18
48:21 49:13,18 53:8,12
53:12,20 54:18 55:9
59:17 62:6.22 66:14
67:25 69:1,18,23 70:16
71:23 72:2 74:19 75:24
67:25 69:1,18,23 70:16 71:23 72:2 74:19 75:24 78:11 80:4,21 81:19
84:2 85:13 89:4 91:5
93:19 94:5,7 97:24
100:7,9 102:12,12
103:11,25 105:9 107:4
107:9 108:10,12,15,17
110:16 111:20,21 112:8
112:18,20,22 113:3 114:22 115:23 116:10
116:13,14,15 117:10,21
117:22 118:6 119:15,22
120:14 121:5 122:4,15
123:15,17,21,22 125:16
125:25 126:3,18,25
127:25 128:22 129:6,13 129:14,15,18 130:13 131:13,16,17,24 132:2
129:14,15,18 130:13
131:13,16,17,24 132:2
132:3 133:2 134:24
135:12,23,23 137:18
138:11 139:6,7,13
142:18 144:14 145:13
145:20,21 153:21 159:1 162:4 164:14,21 165:24
166:13,19,24 167:1,2
171.19 172.7 175.8
171:19 172:7 175:8 182:14 184:25 185:2,13
192:5 196:8 199:2
201:25 203:6,15,17
207:17,18
people's 42:10 66:12
102:21,22 129:4 131:14
131:15 161:25 164:19
182:11
peoples 68:16 140:13 141:5
percent 25:2 31:8 49:13
73:7 94:10 97:18
125:23 127:15,15 159:5
177:10 186:16 196:25
perfect 45:12 61:11 205:3
performance 36:24
150:19
performative 36:21
perfunctory 126:11
period 80:14 93:23
134:20 173:23

periods 41:10 161:13	150:6,23 151:4 152:19	28:10 36:17 39:16	24:6 29:9,10 32:25
permanently 36:12	163:7 168:5,7 184:18	54:16 118:12 119:7	33:11,16 34:22 36:1
permissible 175:19	192:14 200:21,23	152:1 177:12 198:19	40:17 55:14 80:7 87:5
permit 15:4 19:6 30:25	202:18 203:19 204:24	plans 25:5,12,17 73:1	89:19 98:23 114:13,14
32:10 46:18 51:24 81:1	205:2,10,14 207:24	187:18 190:2	114:20 131:6 150:2,12
81:1 126:15 127:2,19	PHMSA 107:22 163:10	plant 118:3 125:19 127:8	150:21 155:13,18,22
195:5,11,12	163:22,23 165:5 196:2	plants 90:10 153:18	156:25 157:1,8 159:9
permits 15:9 31:5 32:18	196:21	platform 25:14	163:3,4,10 165:6,6
51:15 94:16 107:22	phone 6:6 10:19 42:8	play 34:13 60:3 100:6	168:16,16 170:17,18,20
133:16 179:20	124:7	102:13,16 106:13 185:4	173:3,14 179:7 196:12
permitted 6:25 19:20	physical 15:17	185:4 195:13 199:13	policymakers 7:21
148:17 162:3 182:13	pick 134:20	playgrounds 32:22	political 34:16 113:12
permittees 53:11	picked 118:13	playing 188:13	144:12,15
permitting 1:4 2:8 4:2	picking 115:4	plea 130:20	politically 87:22 161:13
5:8 6:13 14:25 15:1,2	picture 133:7	please 7:5,16 13:22,23	politicians 202:12
21:12,16 26:10 30:7	pictures 133:3	14:1 22:2,7 27:11 29:25	pollutant 174:14
41:10 51:25 96:9 100:6	piece 71:8 114:12 120:5	37:12 40:18 44:2 47:13	pollutants 174:7,9 175:17
152:10,14,16 154:11	167:8 172:22 173:24	47:14,17 87:7 92:5	175:18
161:8,20 162:24 179:8	194:1 204:21	110:7 149:17 150:4,8	polluted 88:21
179:18 181:21 206:3	pieces 102:15 180:14	155:14 160:25 163:5	polluters 35:9 87:22
209:8	198:19	167:19,22,23 168:1	pollutes 32:19
perpetuate 162:13	pike 62:11	177:2 186:8	polluting 88:23 174:15
persecuted 137:20	pillars 87:12	pleased 37:17	pollution 45:18 93:14
persevere 92:21	pipeline 15:19 18:2 84:24	pleasure 151:4	107:3,9 118:1 134:25
persevered 140:4	89:21,22 90:15 98:15	plenty 45:21	175:1,7,10
person 10:23 40:13 53:7	108:4 152:16 159:3	pleural 114:3	pollutions 107:10
104:16 130:6 131:5	172:1 179:8 183:20	plugging 204:21	poor 34:23 68:16,18,18
136:4 161:3 166:24	184:4,8	plus 55:25 125:23 134:4	69:12 84:8 116:22
194:22	pipelines 8:12 15:12	193:5	142:24
personal 7:24 137:5	30:25 134:13 153:4,10	po-boys 132:16	popular 198:13
personally 48:25 106:12	153:11,12 171:24	podium 130:12	population 20:19 159:16
persons 6:25 148:18	183:19,21	point 7:23 13:14 37:5	173:22 182:11 185:17
perspective 41:7 52:23	place 21:2,3 23:7 53:10	45:21 54:15 70:15	186:22 189:3 201:24
59:22 74:4 77:17	53:16 65:12 66:10	78:10 98:6 99:5 111:20	populations 16:14,24
126:20 155:5 163:19	105:24 108:11 111:14	121:7 141:3 142:6	17:3,13 18:15,21 20:2
177:8 183:5 184:15	121:5 128:25 140:5,19	143:9 173:23 182:3	154:18 159:2,13 182:13
189:5 197:5 199:23	162:2 173:6 191:21,23	183:4,16 191:12,13	203:1
200:11	192:3 197:11 209:16	192:1 196:18 200:5	Port 3:7 11:16 43:1 51:18
perspectives 41:19	placed 131:9	204:10 206:1 207:22	92:4,10,10 93:13,19
pertain 180:14	places 53:21 68:25 99:12	pointed 57:25 71:9	111:11 112:19 121:3
petition 207:15,19	99:23 102:9 111:7	pointing 89:21 199:25	125:5,11,23 126:16
petrol 87:25 92:12 106:6	136:24,25 161:18 162:8	points 176:6 181:7 183:5	127:5,10,11,14 133:20
106:16 112:4,6 134:12	192:22	poison 49:20	135:4
Petroleum 3:23 131:21	placing 166:2	poisoned 32:4 69:17 78:7	portion 47:23 169:15
150:3,12	plain 71:13	117:24	170:13
phase 140:8	plan 9:13 12:14 24:10,10	poisoning 117:17	pose 141:7
Phillips 2:2 7:15,16,17	24:13,15,22 29:11	poisons 32:20	position 9:12 12:19 27:23
11:1,4 12:16 14:10 21:4	37:23 38:14,20,24	police 131:1,4,4	52:8 136:5 163:23
22:10 27:17 30:3 33:3	46:17 90:22,23 91:4,16	policies 8:9 9:14 28:3	164:4 186:12
37:14 47:22,24 49:23	187:17 190:2	29:2 33:10 34:20,20,20	positive 80:12
61:11 69:14 70:11	plane 116:15	34:24 57:24 75:11	possible 42:19 43:18 72:3
85:17 92:8 95:8 96:6	planet 34:9 102:13	108:19 115:18 144:24	73:21 91:21 115:12
99:20 101:6,21 106:7	143:10,13	145:3 154:22 155:1,23	182:23
110:11,12 116:1 124:2	planned 18:7 103:25	177:21 178:20	possibly 175:13 181:22
124:14 127:6 137:6,11	207:4	policy 2:18,20 3:5,12,23	pot 197:18
144:4 145:23 147:7	planning 13:1 26:21	4:3,8 9:1 10:6 23:13	potential 16:8 39:13 78:7
177.7 173.23 17/./	piuming 13.1 20.21	1.5,0 7.1 10.0 25.15	Potential 10.0 37.13 70.7
	I	I	I

-
79:25 97:10 141:7
151:12 156:15 158:10
158:23 160:3
potentially 45:19 58:15
82:3
poverty 69:4 94:10
139:23,25 144:21
power 3:21 15:19 18:1
31:25 32:1 56:2 64:10
64:11 69:16 71:18
72:13 73:15 74:4,5
91:20 102:12 103:3
124:17 127:8 134:2
149:16,23 161:18
149.10,23 101.10
162:17,19,22
powerful 137:12
pox 99:17 102:8
practical 183:16
practice 33:16 52:2
120:12 129:4 154:17
160:5 165:14 192:24
199:21 202:19
practices 13:6 29:3 33:10
70:23 110:24 160:10
practicing 52:11
pre-decide 71:24
pre-existing 79:23
pre-plan 71:24
precedent 36:3 205:25
predecessor 9:11
predecessors 47:5
predict 200:16
predictable 84:11
predicted 174:13
predominantly 116:23
142:9
preference 183:18,22,23
184:3
prefiling 52:20 53:9,25
168:24
premature 107:6
preparation 200:1
prepare 44:17 180:5
prepare 77.17 100.3
prepared 44:6 66:16
163:8,21 167:13
presence 159:1 194:7
presence 159:1 194:7 present 92:9 171:5 182:3
presence 159:1 194:7
presence 159:1 194:7 present 92:9 171:5 182:3 presenters 10:16
presence 159:1 194:7 present 92:9 171:5 182:3 presenters 10:16 presenting 195:14
presence 159:1 194:7 present 92:9 171:5 182:3 presenters 10:16 presenting 195:14 Preservation 141:19
presence 159:1 194:7 present 92:9 171:5 182:3 presenters 10:16 presenting 195:14 Preservation 141:19 preserve 96:18
presence 159:1 194:7 present 92:9 171:5 182:3 presenters 10:16 presenting 195:14 Preservation 141:19
presence 159:1 194:7 present 92:9 171:5 182:3 presenters 10:16 presenting 195:14 Preservation 141:19 preserve 96:18 President 2:20 3:8 40:17
presence 159:1 194:7 present 92:9 171:5 182:3 presenters 10:16 presenting 195:14 Preservation 141:19 preserve 96:18 President 2:20 3:8 40:17 92:3 164:24
presence 159:1 194:7 present 92:9 171:5 182:3 presenters 10:16 presenting 195:14 Preservation 141:19 preserve 96:18 President 2:20 3:8 40:17 92:3 164:24 President's 25:1
presence 159:1 194:7 present 92:9 171:5 182:3 presenters 10:16 presenting 195:14 Preservation 141:19 preserve 96:18 President 2:20 3:8 40:17 92:3 164:24
presence 159:1 194:7 present 92:9 171:5 182:3 presenters 10:16 presenting 195:14 Preservation 141:19 preserve 96:18 President 2:20 3:8 40:17 92:3 164:24 President's 25:1 press 21:23 87:1 149:10
presence 159:1 194:7 present 92:9 171:5 182:3 presenters 10:16 presenting 195:14 Preservation 141:19 preserve 96:18 President 2:20 3:8 40:17 92:3 164:24 President's 25:1

```
presumption 175:11
pretend 85:18 109:11
pretending 104:23
pretty 66:2 82:20 105:17
  133:7 172:8 186:25
  196:5
prevalent 104:14
previous 152:22 192:19
previously 90:14 172:25
  173:1,3,5 191:15 196:2
price 8:10
primarily 161:14,16
  181:8
primary 28:2 161:7
  194:17
principals 120:11
principle 34:6 35:6 36:14
  36:14 42:5 120:14
principles 9:15 21:18
  33:24 34:4 43:15 54:20
  120:8 154:21
prior 98:7 121:16 196:12
priorities 2:7 21:11,14
  151:10 154:3 190:4,22
prioritize 25:24 145:4
prioritized 26:2
priority 25:16 38:10
  70:17 145:5 151:16
private 50:12 56:4,8
  70:14,19 75:24 76:4
privilege 106:9
pro 55:14
proactive 51:11
proactively 39:24
probably 37:23 54:1
  57:12 74:12 89:12 95:5
  117:2 171:21
problem 17:16,20 91:19
  136:1
problems 74:12 107:11
  136:10 138:10
procedural 23:5 26:15,18
  59:22
Procedure 207:9
procedures 115:19
proceed 5:22,23 72:19
  148:6,7
proceeding 7:4,6 15:23
  19:6,6 28:9,10 58:12,20
  58:21 90:18 91:12
  114:24 124:12 130:10
  167:20,21 209:3,6
proceedings 6:15 10:3
  11:25 15:4 20:1 21:2
  23:14 26:7,14,21 28:6,8
  28:8 29:15 31:18 77:13
```

```
98:13 116:13 135:2
  136:20 149:6 182:19
  207:12 209:21
process 10:7 26:10,20
  27:4 31:23 39:4 43:10
  48:23 51:25 52:20 53:9
  53:25 54:11 58:5 67:19
  73:12,23,25 74:5,15,23
  91:7,21 100:6 101:6
  102:15 105:21 114:17
  123:9 134:1 138:2
  146:22,25 151:19 153:8
  156:23 157:6,13,21
  158:6,14,17 159:24
  164:18 174:1 179:18,20
  180:22 181:20,23
  182:16,20 183:1 185:25
  188:9,10,21 190:8
  193:13 194:3,9 195:14
  200:13
processes 9:7,14 13:2
  28:17,23 31:25 41:14
  58:1 59:22 91:7 128:3
  141:21 142:5 146:18
  161:9 162:2,24 179:8
  179:10 181:8 182:18,25
  189:20 190:12 194:15
processing 153:18
procurement 24:6
produce 9:5 40:20
produced 42:21
production 35:8
productions 192:8
productive 30:9 157:19
Professor 4:5 160:24
profiles 151:22
profit 93:12 140:17
profitable 64:24
profound 146:9
program 24:6 38:8 48:25
  58:10 100:4
programs 28:10,11 38:15
  38:25 43:3 61:15 62:15
  62:16 67:3,10,12,15,16
  154:22 155:1,2 196:21
  206:10
progress 6:24 25:22 45:4
  148:17
prohibitive 114:25
project 3:13 13:3,5 25:6
  25:13,15 26:5,7,20 27:4
  35:14 36:13 39:6.9.14
  39:15,17,22 40:1,3,5
  48:19 50:9 54:8,13,14
  54:16,23 55:13 56:18
```

86:22 89:24 90:21 91:9

```
62:20 71:7 73:4 80:6,7
  80:21 81:15 82:4 90:13
  90:14 91:12 97:11 98:6
  98:8 103:8,14 109:6,8
  114:4 125:21 126:16
  129:19 130:17 138:8
  139:11 140:6 141:22
  152:10,13 157:25 158:3
  159:4 161:8 174:19
  175:6 181:14,17,18,23
  182:3 183:8 188:3
  191:25 192:2,3 193:12
  195:13
project's 39:21 159:14
projects 8:12 19:2 24:23
  25:3 28:20 31:4,6,10
  32:10,11,19 35:15 36:9
  39:8,24 41:4,14 42:12
  49:18 55:16 62:23
  64:22,23 65:4 71:2,14
  81:24,25 89:18 90:16
  91:8 97:12 98:3,11,13
  98:18 107:23 109:2
  120:24 121:3 124:25
  143:2 152:17 153:21
  154:12 156:18 160:3
  162:10 174:18,23,24
  175:1 176:1 177:18
  182:13 189:13 191:14
  201:8 203:24 204:19
  205:21
promise 103:24 119:23
promises 22:19
promising 165:14 192:24
  199:21
promote 29:3 143:14
promoted 42:14 140:16
propelled 115:10
proper 159:15
properly 108:8
property 36:8 78:2
  135:24
proponents 98:6
proposal 54:23 98:8
proposals 90:4
proposed 31:5,9 41:14
  80:7 88:21 109:6
  124:25 125:4 160:7
proposing 90:1
pros 204:17
protect 20:22 97:9 98:12
  143:10 191:25 192:2
protected 97:12
protection 2:22 17:17
  33:10 44:2 77:2 102:11
  144:25 192:13
```

quietly 125:3

quite 71:16 78:11 79:8

quit 113:1,1

protest 103:22
protests 98:13
proud 51:13 163:22
165:4
proverbial 115:22
provide 13:23 16:18
21:21 25:13 29:6 43:2
43:10,12 45:12 50:21
55:9 58:17 64:16 70:4
74:3,9 77:17 86:15
149:2 153:6 158:3
188:5 193:10 200:12,14
200:17
provided 6:5 25:10
provides 54:20 157:1
providing 26:7 44:23
55:9 114:7,8 151:11
154:13 156:6 172:16
199:9
proximity 54:25 106:16
127:4
public 2:14,21 3:3 7:7,9
7:11 8:8 10:1 12:8 15:6
16:9,10,11 19:4,5,7,8
19:10,10,11,13,13,14
19:18,19,21,23 23:23
27:10,19 28:6 29:1
40:18 42:4,9 50:4,8,12
58:4,9 77:1 86:6 91:16
38:4,9 //:1 80:0 91:10
92:14 100:17 105:12
113:12 116:5,6,7
127:23 136:19 146:4
150:7 155:22,24 156:20
157:23 165:20,23,23,25
166:3 167:7 172:4,6,21
176:12,17,19,25 177:2
177:3,7 180:9 206:19
206:22
publications 200:10
publish 200:9
publishing 156:24
pucker 50:20 82:19
pull 132:3 135:1 139:9
140:7 145:12
pulled 207:18
Pullets 102:23
purpose 6:10 18:9
purposely 6:20 75:17
148:12
purposes 153:5
pursue 35:4
push 10:14 64:19 74:9
pushing 71:21 101:22
put 18:8 45:25 46:19
54:19 58:2 61:3,7 65:4
74:15 81:21,22 83:22
01.21,22 00.22

```
84:24 93:16 99:13
  101:7 108:11 112:16
  115:18 123:3,14 128:21
  129:20 130:3 133:15
  134:1 141:10 164:21
  165:16 170:8 179:5,7
  184:3,7 187:19,20,22
  190:1 192:24 203:3
puts 98:11
putting 44:22 57:24 74:8
  114:19 133:23 177:2
  188:12 190:1 204:5
           Q
quadrupled 60:18
qualitative 77:23 80:3,19
  174:2
quality 42:22 93:22
  138:21 144:20 155:20
  160:7 173:22 180:14
  182:14,14
quandary 93:16
quantifiable 83:15 84:12
quantify 77:24
quantifying 194:6
quantitative 78:12 80:19
  174:1
quasi-judicial 205:21
question 8:21 22:3 34:5
  37:6 45:8 47:12,13,17
  47:22 50:2 54:4 55:23
  56:3 61:12 63:12 65:11
  65:13,16,21 66:25
  70:14,22 72:10,17
  74:21 77:4,6 80:24
  86:16 95:15 110:4,7
  111:25 113:15,23
  127:17,17 134:9 149:3
  167:18,22 168:1 176:13
  179:6 180:17,20 181:7
  189:23 193:9,17,24
  194:18 195:22 201:6,12
  201:12
questions 7:11,11 11:19
  12:3 13:5 29:1 37:9
  42:12 45:20 47:19,20
  47:21 48:2 52:21 53:8
  57:12 61:13 68:3,4
  70:13 74:6 77:13 95:3
  110:1,6,20 117:18
  124:3 126:13 141:7
  168:3,3,5 174:6 192:15
  194:21 195:2 200:25,25
quick 61:12 124:10
  167:19 181:7 201:3
```

```
95:8 112:7 123:16
  163:22 167:14 180:16
quo 26:22,23 71:17
quote 103:12 198:4
           R
R 5:1
race 9:2 34:16 49:8
  115:18,18 153:22
  160:14
Rachel 3:3 86:5
racial 24:3 93:8 164:25
racism 45:14 87:16 107:8
radical 73:2
radius 160:6
railroad 117:12 164:19
  164:23
rainbow 68:19
raise 47:18 56:14 168:1
raised 69:8 71:19 92:10
  151:9
range 160:8
rapidly 154:24
ratchet 136:18,19
rate 58:1 188:20,24 189:4
rates 139:25 189:9
raw 159:12
re-ask 65:21
reach 36:9 72:3 123:3
reached 105:14,18
reaching 8:7 16:14 75:24
read 123:22 166:4,4
  203:5
readiness 90:25
reading 102:20 135:1
reads 123:21
ready 96:5 187:10
real 14:4 49:10 52:11
  73:8 76:1 81:16 84:18
  84:19 100:16 102:13
  107:9 109:8,19,23
  110:19 112:18 113:6
  114:25 115:23 122:5
  131:7 142:15
realities 47:3
reality 51:8 64:13
realize 52:24 60:16 91:7
  118:23 121:9 144:10,11
realized 38:3 144:9
realizing 40:8
really 11:5 14:3 19:1,14
  19:18,25 20:2,3,19,24
  29:20 33:15 40:4,11
```

44:7,12,22,23 46:1,7,8 48:19 50:18,25 51:13 52:3 53:7,22 56:3 58:25 60:7,12,12,15,22,24,25 61:2,5 62:5,19 63:1 64:3 65:13,20 66:24 71:21 72:18 73:15 75:19 76:20 78:13,15 78:16 79:10,13,17 80:5 80:20 81:18,21 85:6,12 89:7 111:19 113:9 114:20 123:1 125:10 126:13,18 127:9 130:18 135:7 139:8 140:22 142:24 143:2,17 163:18 163:23 164:3,8 165:1 165:24 166:12 169:17 170:7 171:1 172:5 176:10 180:15,23,24,25 187:14 188:3 189:6,24 196:5 199:17 200:11 203:10,11,13 204:9 205:20 reason 25:8 106:4 108:13 129:16 132:1,2,8 142:20 169:4 190:21 reasons 103:16 123:11 reassure 124:11 rebuild 139:4 170:6,16 rebuilt 170:8 173:9 rebuttal 175:11 recalibration 23:15 recap 38:22 receipts 73:24 receive 162:4 receives 55:11 receiving 25:25 50:25 recess 86:1 147:16 reckon 85:14 reckonings 85:8 reclaim 139:3,4 reclaiming 195:7 recognition 23:10 26:19 54:12 recognize 28:20 43:8 45:25 96:10 145:2 151:10,15 154:1 161:23 162:9 recognized 205:8 recognizes 36:2 **recognizing** 23:11 43:13 151:1 165:9 182:4 191:13 192:10 recommend 152:3 169:10 201:16 recommendation 73:17

quickly 38:4 158:19

recommendations 55:6
reconfigured 72:23
reconstruct 73:15
reconstruction 87:19
reconvene 86:20
record 13:24 37:3 55:18
59:10 81:1,6,11 82:22
82:24 146:19,20 147:10
194:3 207:7,15,20
recorded 147:10 181:22
recording 6:8 102:22
148:1
recruit 63:14
recruitment 62:13 63:6
recurrence 126:8
red 42:21 87:4 128:9,9
203:4,8,9
redline 87:22
redlined 35:1
redlining 34:21,21
reduce 42:6 143:25
reducing 42:6
Reduction 23:22 50:24
Reed 182:9
referred 127:18 153:1
referring 89:2 173:18
refinery 126:5
reflect 20:15 49:8 145:3
reflected 73:21
refrain 6:16 86:21 149:5
refrigerator 109:19
regard 93:3 134:12,16
143:3 169:2
regarding 95:4 206:10
regardless 9:2 153:22
region 84:14,20
regional 42:16 207:5
regions 106:21
register 166:3
regular 146:5
regulate 9:8 186:13
regulated 180:4 191:4
regulates 8:6
regulating 189:23
regulation 103:2 177:20
180:1
regulations 108:19 151:9
154:23 180:19 200:4
regulator 15:3,3,21,23
16:20,23 17:8,12 18:12
19:2,8 20:1,25 157:4
regulators 8:18
regulatory 1:2,9 7:18
26:6,13 27:16 61:6
101:17 141:21 150:21
178:25 209:4,20
i

reimagined 72:23	
Reissuing 31:14	
rejected 35:13 160:5	
relate 109:25 130:2	
related 8:19 26:7,13 40:3	
124:24	
relates 182:3	
relations 28:1	
relationship 41:9 60:9	
114:1,11 169:22 172:23	
205:6	
relationships 50:11 51:11	
relatively 198:1	
released 90:5,9	
relevant 39:1 174:22	
176:4	
reliability 8:15 38:1 reliable 8:10	
relicenses 181:9	
relicensing 182:19	
religious 201:18	
rely 35:24 200:18	
relying 64:11,12	
remain 14:8 97:2	
remaining 47:20 110:6	
168:4	
remand 207:21	
remarkable 56:1	
remarked 68:10	
remarks 5:9 7:16 21:22	
30:11 44:6 47:12 85:16	
86:15,25 113:24 144:3	
144:5 145:6,6 149:2,4	
149:10 154:10 163:8,21	
167:13 194:24	
remediated 42:20 162:4	
remember 19:3 135:10	
149:10	
remind 65:13 66:1,1 72:8	
86:20 149:5	
reminder 87:3 110:10	
148:12 167:19	
reminders 148:19 remission 126:6	
remote 10:18 114:6	
removal 138:9,19 140:6	
140:19,24	
remove 139:2 162:20	
191:20	
removing 138:24	
render 88:11	
renegades 137:17	
renewable 34:8 177:10	
renewing 161:9	
reopened 72:22	
repainting 20:12	

```
replace 191:21
report 173:17 192:23
  200:1
reported 198:13
Reporter 209:1,25
reporting 154:15
reports 121:22 154:14
represent 41:1 103:19
  105:25 110:22 111:1
  145:13
representation 17:1 20:4
  104:3
representative 159:13
representatives 7:9 12:9
  86:11
represented 17:4 33:16
representing 33:14 174:2
represents 13:16 150:13
Reprimand 30:16
Regua 137:14
request 123:6
requests 179:18,22 180:1
  200:15
require 23:16 72:23,25
  88:23 98:6 109:7
  113:10 151:12
required 15:13 24:22
  40:1 206:6
requirement 98:3 180:4
  183:12
requirements 55:3 73:18
  97:10 154:24 184:9
requires 72:17 169:20
  181:18 193:23
requiring 73:7,9 98:9
  207:21
reroute 191:25
rerouting 192:2,3
rescues 81:13
research 82:14 108:23
  173:16
researched 78:23
reservation 96:25 97:24
  139:19
reservations 97:5 114:5
reserve 96:22
reserved 96:21,24
reset 147:9
residential 85:5
residents 107:13
resilience 152:2
resource 38:10,14 61:3,8
  61:9
resourced 38:4,16
resources 22:24 24:18
  26:7 34:8 40:2 55:9,14
```

58:13 59:3,20 96:13,19 97:4,6,9 98:4,12,19 101:8 109:20 122:21 141:24 157:18 177:16 178:13 184:1,2,10 191:19 195:12 207:18 respect 20:8 28:1 72:17 107:15 108:17 151:11 206:23 respected 20:7 54:14 141:1 respectful 27:24 respectfully 69:20 71:22 75:3 84:3 respects 150:14 192:4 respiratory 107:11 respond 34:15 44:7 83:12 133:20,22 responded 42:22 responders 6:2 148:11 responding 114:7 response 71:12 126:17 181:7 197:4 responses 28:25 184:19 responsibilities 154:13 177:22 responsibility 8:19 44:15 70:19 88:11 89:9,10,11 89:12 97:9 124:22 193:10,14 194:19 195:23,24 responsible 9:1 34:7 responsive 42:19 rest 70:22 170:23 resting 99:12 restitution 162:5 restoration 138:7,8 181:18 restorative 23:13 26:19 restrictive 190:21 result 32:4 39:12 74:24 82:8 resulted 39:15 results 26:23 70:8 resume 147:13 retained 96:22 rethink 25:23 28:13 rethinking 28:24 revenue 84:14 review 16:25 31:23,25 32:2 142:4 153:8 reviews 109:2 revolves 138:12 ribbon 111:21 rich 203:22 204:22 **Richmond** 121:12

	<u> </u>	<u> </u>	
Ridges 3:9 95:22 96:1	roles 5:13 148:4 177:21	satisfying 76:3	25:12 30:19 38:20
Riffles 3:9 95:22 96:1	Ron 182:9	save 84:23	47:13 53:20 73:2 76:6
right 10:10 14:16 19:22	roofs 133:14	saw 8:1 19:1 32:20 49:23	79:12 85:16 90:22 93:9
19:23 20:6 21:10,23	rooftop 38:18	107:25 132:14 141:1	94:5 95:14 99:24
23:7,7 34:6 36:15 39:23	room 6:4 7:1,10 37:2	144:18	100:24,25 101:12,12
45:7,9,23 46:4,6,19	102:6 105:19 109:24	saying 11:13 17:12 21:1	104:19,24 105:18
49:21 50:5,9,18,22 51:5	125:18 130:24 148:19	31:22 45:12 50:6 69:13	106:12,14 116:3,16,20
51:14,16 52:6,10 53:11	171:19	82:11,23,24 83:14 84:3	117:22 120:18 121:2,13
53:12 56:12 66:10	Rose 4:5 160:23	112:15 115:4 117:24	123:22,23 126:2 127:8
72:14,18 73:6,8 74:10	roughly 47:19 107:13,16	121:2 132:10 167:7	128:9 130:14,15,16
75:1,10,14 76:3 79:1,5	168:3	177:2 184:25 185:15	132:9 134:17,21 137:3
79:8 82:3 83:1 85:5	round 47:20 124:5,5	196:13 197:1	137:5 141:6 146:7
95:13 99:9 100:2 101:4	126:6 168:3	says 19:19,20,21 112:15	175:11,12 186:15,19
101:19,19,25 102:1,9	roundtable 1:3 5:7,10,10	143:8 201:6	203:3
104:1 106:16,19 114:13	6:3,8,10,21,23,24 7:4,6	scale 57:1	see's 180:21
114:15 117:6 122:21	7:8,19 10:13 13:13	scare 203:6	seeing 168:18 179:18
123:8 126:19,20 137:6	14:25 32:4,9 37:16	schedules 129:8	seek 25:16 41:16 157:20
137:14 139:2,24 141:10	100:14,19 104:15	scheduling 10:22	seen 91:23 107:24 118:7
141:11,17,19,23,25	105:11 131:12,14,25	scholarship 155:21	136:23
142:11 143:13 144:1	147:20,24 148:14,15,17	school 4:3 19:11 53:5	segment 189:14
146:2 156:14 160:14	209:7	67:10 119:15,15,19	segment 189:14 segments 80:14 189:3
168:11,21 173:10,15	roundtables 145:13,19	126:17 155:14,19	segregation 68:11
176:7 185:18 192:14,25	route 49:7 81:6,7	schools 85:5 133:13	segue 61:11
199:24 200:5,8,13,23	routes 48:20 49:18	202:24,25,25	seize 36:12
201:7 204:11 205:14	routine 64:11	science 50:16 79:3,17	seized 162:16
right-of-way 18:17,18,20	routinely 26:10	142:3	select 157:12
18:21,24,25	routing 184:15	scientific 180:17	selecting 168:17
rights 2:24 20:7 22:19	rubber 35:11,15 88:7	scientifically 78:23	selecting 160:17
36:8 76:17,21,25 84:15	91:24 158:13	194:14	self-determination 66:11
87:9,14 96:11,23,23,25	rulemaking 29:9	scientist 180:7	self-proclaimed 203:16
137:19 140:13,13,20,20	rules 58:14	scope 198:23	sell 121:17
140:21 141:1,4,12,13	rumbling 99:11	scratch 192:21	Senate 93:6
143:4,5,9,19 162:1	run 25:7 130:22 172:19	screen 80:2 204:13	send 31:22 72:2 196:10
175:12	run-off 20:11	screening 41:22 204:15	sending 202:24
rising 144:13	running 8:16 64:7 70:16	scurrying 72:2	senior 2:17,20 3:23 4:4
risk 6:1 34:23 45:17,18	139:18 202:12	sea 144:13	9:12 12:17 32:25 40:17
126:2 148:10	runs 97:18,19	seafood 95:11	89:2 150:2,11 155:12
risks 25:13 190:11	rural 31:7 129:6	seat 23:6 28:16 96:5	sense 49:1,22 146:25
river 97:16 98:16 137:15	Russell 3:5 87:5	104:9,10 112:8 150:25	sensitive 189:18
138:7,8,9,20,20,23,25	11455411515 5715	second 5:16,17 13:8	separate 164:20
139:4,13 161:19,21,22	S	17:21,25 18:9,10 30:11	SEQ 192:24
162:16	S 5:1	35:6 58:23 85:24,24	serious 78:12 95:7 120:23
rivers 142:24 143:1,18	Sacramento 40:12	86:7 98:6 121:7 126:6	147:3
road 32:21 78:6 158:14	142:25	193:9,24 194:18 195:20	seriously 35:20 79:8
170:12	sacred 31:10 97:6	195:21,22	102:3
roads 69:11	sacrifice 35:1 102:10	Secondly 43:10	seriousness 56:23,25
robust 53:25 54:8	sacrificed 136:15,22	secret 9:3,6	serve 18:4 33:11 63:7
Rock 98:14	safety 152:10 153:25	Secretary 22:17	69:23 95:10,11,12
Roishetta 3:13 103:7,13	175:7	section 123:10 159:24,25	152:21 153:13 155:4
111:20 120:5 127:2	Saints 14:21	165:18	161:4
128:5	salmon 97:18,19 142:6,7	sections 165:18 198:23	served 43:21 92:13
role 9:16,20 12:17,18	142:11,12,14,17,20,22	sector 56:4,8 70:14,19	162:19,19
22:18 34:13 60:3 71:8	143:11,12,18 182:10	75:24	serves 22:5 32:24 40:17
100:6 102:13,16 165:11	San 58:21,22	secured 98:19	60:14 87:5 179:13
180:21 185:3 195:14	sandwich 122:17	security 5:21 148:6	service 102:5 113:12
199:13	sat 15:4,7	see 17:16,19 20:14 22:11	190:25
	ĺ		
	<u> </u>	<u> </u>	<u> </u>

services 63:5 114:8 186:5	signers 137:18	Smith 99:8	Spanish 6:5,7 58:24
192:6	significant 9:9 32:12 89:9	smoke 132:7	speak 15:8 17:2 21:24
serving 11:11 19:10,13	90:1,17,19 107:3	SMUD 2:19 37:12 38:8	22:9 71:5 87:2 94:19,21
63:3 89:16 149:15	144:12	38:10 39:5 40:8	99:3 112:13 114:21,23
session 22:3 47:12 86:17	silver 20:14	SMUD's 37:18 39:19	120:14,16,18 125:20
89:5 110:5 148:1 149:4	similar 13:4 16:12 25:20	60:10	126:1 130:5,7,8,9
sessions 12:11 38:19	154:23 159:19	Snake 143:1	149:11 155:5,17 192:16
167:18	similarly 6:16	social 29:11 41:24 55:1	201:22
set 11:6 13:15 25:6 39:22	simple 19:25 20:12,24	79:3,16,23 87:9 111:7	speaking 5:13 30:24
43:12 72:12 81:2 88:14	112:15 122:13 190:21	144:16 150:18 205:5	136:13 148:4 161:3
131:7 146:24 157:14	simplified 39:2	socially 161:12	speaks 182:5 194:4
162:2 196:1,12	simply 69:21 97:25 98:18	societal 81:17	spearheading 42:15
severe 174:12	116:6 126:23 133:10	societies 96:15,19	special 8:23 16:20,21,23
shading 186:1	136:2,13,16 207:16	society 144:12	17:8,12,15,19 20:2,25
Shalanda 2:12 22:4,15	Simultaneously 87:20	softball 106:13,17,18	21:1 56:6
57:17 67:1 204:4	sincere 48:1	solar 39:7 162:23 189:15	species 141:19 162:2
shape 144:22	sincerely 65:9	soldiers 125:11	specific 6:14 32:11 72:16
share 37:17 39:5 40:8	single 15:15 22:13 24:6,6	solely 36:2 37:2 89:4	80:6 92:25 155:25
55:17 65:3,9 94:15	24:8,21 26:5,20 73:7	solution 189:25	162:12 168:22,23
123:14 178:2	75:25 95:18 100:5,7,18	solutions 13:9 22:21	176:13 191:1 198:18
shared 12:10 37:1 65:20	102:2 123:25 138:12	121:10 151:17 184:21	specifically 15:2 48:15
79:22 88:18 91:2	206:20	solve 45:8,20	60:2 88:5 153:23
sharing 47:3	sister's 117:2	somebody 20:14 82:17	176:24 190:10
Sharon 104:6	sisters 67:5,6,9 92:18	84:23 115:11 122:18	speech 128:17
She'll 119:13	sit 51:19 103:18 136:25	130:14 177:5	speed 102:14 187:1
sheer 125:10	137:2	someone's 99:25	speeding 101:6
shine 56:21 57:7	Sitaraman 10:4	soon 27:2 130:21	speeds 135:21
ship 22:20	site 31:12 151:19	sophisticated 20:3	spend 63:1
shoes 136:25	sited 176:1	sorry 33:14 35:23 45:10	spending 60:17,18
shops 50:15,16	sites 31:10 41:4 97:6	85:24 125:2 147:14	spent 33:19
short 30:12	siting 8:11 91:9,12	157:11 161:2	spilled 108:12
shortcuts 135:20	sits 106:18 109:15	sort 56:6 57:11 64:3	spirits 99:11
shorten 86:18	sitting 14:14 52:4 94:1	72:11,16,22 73:8,18,23	split 170:2
show 40:12 50:6 62:21	100:8 109:10 115:21,25	74:22 114:7 177:14	spoke 96:4 113:24 138:9
88:22 101:16 102:24	131:21,24 166:16	207:3	143:4 151:6 171:19
117:16 138:1 177:4	situ 53:4	sorts 121:20	189:23
showcased 39:6	situated 23:12	sought 96:18,20	spoken 190:6
showing 49:17 73:24	situation 49:21 115:8	sound 20:11 33:9 65:8	sponsor 100:4
205:4	195:4	sources 109:4 128:19	sponsors 13:3 54:8
shows 81:6,11 88:2	situations 204:12	south 31:7 99:17 102:8	spread 42:21
shrimp 132:16,20	six 93:18 106:2 129:3	126:4	stacked 132:6
shrimping 31:13	size 57:1 151:16 154:5	southeast 106:8 121:14 159:3	Stacy 9:25
sick 138:18 side 66:20 74:14 101:2	177:23 skeleton 57:9		stadiums 19:16
		southwest 30:21 40:24	staff 5:13,21 10:12 11:4
104:1 108:13 109:15,21	skin 118:19 119:10,12,16	104:6 105:24 106:1,8	13:24,25 28:17 30:5
117:14 136:4 146:1,2	119:17 126:1	106:20,25 108:3 120:9	47:21 57:4 74:13 88:16
164:21 172:17 183:7	slated 107:17	133:10 144:18	89:8 90:24,24,25 92:8
189:1 192:12	slavery 87:18,18	sovereign 96:10 97:3 sovereignty 28:1 96:16	116:2 121:20 148:4,6
sidewalk 5:24 148:8 187:9	slaves 30:14 115:4,6 slots 30:24	96:18,22 137:17 192:4	148:23 150:6 168:4 staff's 193:13
sidewalks 186:20,23	slower 68:22	space 36:23 56:7,7 63:18	staffing 74:12
187:2	snall 5:12 57:2 148:3	70:5 94:15 100:10	stating 74:12 stage 27:4 39:16
Sierra 2:16 29:25 32:15	170:9	191:9 206:2	stage 27:4 39:16 stakeholder 55:4 152:16
	smart 51:2 66:2 78:11	spaces 175:7 180:24	154:12
sight 8:18 sign 128:9	155:23	191:1	stakeholders 39:10 48:8
sign 128:9 signed 164:24	smell 116:20	span 41:9	48:13 60:6 91:5 110:23
signed 104.24	Sincil 110.20	Span 71.9	70.13 00.0 91.3 110.23
	I	I	I

153:24 183:14 184:17	station 15:18 18:4,5	strive 41:12	155:23 156:6 157:13
stakes 64:22	19:12 42:24	strive 41.12 strong 38:6 41:9	177:14 182:25
stamp 91:24	stations 15:12 62:9	stronger 101:14	supporters 130:13
	status 26:21,23 49:9	structures 55:2	
stamped 35:15	,		supporting 34:1 130:16 144:25 199:13
stamping 35:11 88:7	71:17 96:11	struggle 9:7 50:2 103:9	
stand 36:20 46:16 104:1	statute 101:25	struggled 182:18	supposed 57:10 117:5,6
146:22 202:11	statutes 89:11 207:8	struggling 46:23	133:25
standard 17:10 25:19	statutory 15:25 16:22	stuck 136:10	suppressed 78:2
196:12 198:2	stay 5:25 105:4 115:19	students 199:11	suppression 87:17
Standardizing 157:14	133:3 135:6 148:9	studies 4:6 80:3 107:7	sure 14:22 15:24 16:2,3,7
standards 17:9,18 175:13	stays 67:10	160:25 161:4	16:12,23 17:2 20:2,19
207:7	steel 130:25	study 88:2,2,15 131:22	21:1 30:2 31:25 37:8
standing 98:14 130:12	Steep 9:25	132:12 134:20 178:16	38:3 48:5 52:9 53:11,22
153:20 186:24,25	step 14:17 26:5,20 52:12	stuff 48:21 60:4 104:17	56:13 60:4,5 61:8,12
standpoint 170:1 196:6	53:16 71:1,2 74:16	171:20	62:6,10,17 65:12,15
stands 19:4	113:9,10 114:14 128:24	subjects 207:6	67:9 75:25 82:17
start 27:5 31:24 44:12	193:5	submit 7:7 24:22 37:4	101:10 102:16 105:12
45:22 46:9 47:1,22	stepped 93:25	72:19 168:24	105:17 109:22 113:25
48:16,24 51:2 52:17	steps 9:9 12:6 24:3 98:8	submitting 7:12 133:16	115:21 116:12 124:17
54:1 63:18 65:12 66:2	158:7 179:10 193:23	subsequent 98:8	132:3 136:23 158:21
71:14,16,23 81:22	steroids 119:2	subsequently 109:4	160:19 173:16 176:17
85:23 90:22 99:25	stick 203:9	subsidies 68:23	176:18 178:25 179:2
111:1 114:2,10 115:3	stirring 135:16	subsistence 182:12,14	180:21 185:8 189:8
115:18,23 118:18,19	stole 112:14	substantiate 79:18	193:3 194:1 195:16
120:22,23 152:1 168:6	stomps 143:18	substantive 156:10	196:25 197:4,6 202:6
192:23 193:4,7 197:12	stood 10:1	substitution 204:20	surrender 138:4
200:12 201:11,13 202:4	stop 35:7,10 68:14 69:17	succeed 67:18	surround 41:17
202:19	71:14 77:5 83:3 88:7	success 11:13 37:19	surrounding 174:20
started 19:17 50:9 60:11	109:25 160:19 186:13	39:21	suspect 8:21 156:17
67:6 140:5 148:20	stopped 165:1	successful 13:7	suss 122:5
starting 67:8 76:6 91:16	storage 153:16,17 177:10	Sue 104:4	sustainable 9:1 34:9 38:8
106:15 108:15 176:6	189:15	suffer 57:4,5 69:4	60:12
192:21 204:10	stores 133:13	suffered 92:19 93:13	symbol 139:2,3
starts 44:11 71:8	stories 84:17 102:22	suffering 112:23	symbolically 101:3
state 15:3,3 29:17 30:14	120:17	sufficient 32:13	Syndrome 119:2
30:17 53:21 83:21 84:1	story 118:8 121:10 126:9	sufficiently 159:12	synergistic 174:11
84:14 92:16 93:25	straight 187:21	suggested 193:8	synergy 56:23
97:23 103:20 106:24,24	straightforward 40:6	suggesting 71:11	system 22:24 23:9,12,15
111:13,14 118:2 121:9	Strategy 2:17 32:25	suggestions 174:5	43:1 59:16 108:5,7,11
126:12 157:11 183:10	stratosphere 104:22	suicide 97:23	115:14,15,17,19,20
193:20 200:9	137:2	sulfur 94:3 174:10	131:7 162:21 196:19
stated 27:18 94:11 106:2	stratospheric 124:11	Sulphur 106:3,4,5	systematic 156:22
207:7	stray 207:20	summarize 152:23	systemic 107:8
statement 36:1 89:19	streams 79:17	summer 142:15	systems 144:13,15,16
90:3 144:9 156:25	street 1:10 5:24 56:16	summit 33:21,22	
157:1,8,22 159:9	99:24 106:19 116:25	super 205:3	
168:17 173:15 177:23	117:7 125:20 148:8	superintendent 53:6	table 23:6 28:16 52:4
statements 118:8 168:16	187:1	supplement 82:24	56:8,10 61:4 104:9,10
states 1:1 31:3 33:14	streets 135:18,20	supply 122:14 144:19	104:11 108:14 112:9,10
45:15 51:6 93:6 96:14	strengthening 154:19	support 4:2 24:19,23	112:17,21 117:22 133:4
96:17 97:2 103:10	stresses 79:24	26:8 34:5 43:19 56:15	150:25 151:1 170:22
107:1 132:22 140:11	stressor 80:13	56:22 58:17 79:22 80:4	186:14 195:17
145:21 150:16 153:14	stressors 173:21 176:2	100:18 101:11 102:15	tables 115:21,22
183:11 194:10,12	stretch 41:3 63:15	122:25 123:4 125:25	tabling 205:5
204:15	strict 58:15	132:4 134:2 142:12	tackling 27:2 150:24
statewide 84:21	strictly 170:20	143:1 145:11 152:10	take 6:11 13:3 20:10
State Wide 0-7.21	5011001y 170.20	173.1 173.11 132.10	tune 0.11 15.5 20.10
	<u> </u>	<u> </u>	<u> </u>

21.22 22.15 24.14	tox 94.14	tosting 110.25	102.6 106.01 107.02 04
31:22 32:15 34:14	tax 84:14	testing 118:25	123:6 126:21 127:23,24
47:19 50:14,17,19 51:9	taxpayer 101:11	Tex-Mex 95:12	129:20,22 132:18
52:7 70:18 75:10,12	teacher 134:5	Texas 30:21 31:7,7,11	161:10 164:1 177:20
79:15,16 82:5 85:23	teaching 113:4	40:25 42:12 92:10,16	178:19 184:24 186:19
95:9 101:19 102:3	team 2:10 3:19 5:5 9:25	93:25 95:10 99:23	203:1 206:20 207:12
103:1 106:11 108:25	23:18 57:2,4 147:21	103:15 106:8	things 15:24 19:1 23:19
109:17 110:5 112:21	195:11,12 206:17	thank 7:17 10:20,25 11:1	28:14,24 34:9 38:18
119:3 131:19 133:3	teams 195:5	11:3 14:9,10,11,13,17	40:2 44:7 46:1,5 48:3,7
135:20 136:14,16	tear 173:8	14:24 21:3,4,13 22:8,10	49:7 50:3,19 51:9,13
142:16 147:2,3,13	technical 55:15 63:20	27:7,8,12,14,15,16	52:3,5,12 53:15 58:16
149:23 152:3 164:19	123:16 141:20 208:1	29:21,23 30:2,2,3,3,4	61:17 62:19 65:20
167:7 168:2 170:13	Technically 127:12	31:20 32:22,23 33:2,2,3	74:10 75:4,6 78:24
179:25 180:6 181:2	technology 64:12	37:10,13,14 40:7,13,15	81:17 82:1,2 94:24
188:21 191:20 206:16	teeing 11:19	40:19,19 43:3,22,24	99:18 101:8 115:5
taken 9:9 12:6 20:22	Tejada 2:22 43:25 44:3,4	47:9,10,24,24 50:1	118:13 121:20 122:23
87:19 94:1 112:12	47:11 49:25 50:1 54:15	52:15 54:3 55:19,21,22	125:25 128:14,18,21
147:16	60:23 63:9 65:7,8 66:6	55:22 57:13,15 59:23	130:3 132:10 135:25
takes 12:5 14:2 21:2,3	66:8 74:2 75:3 78:18,20	61:10 63:7,8,11 65:6	140:1 146:16 156:8
52:8 56:17 127:20	80:24 81:12 82:12,16	66:6,8,17,19 68:2,6	164:4,9 165:3,10
talk 7:22,24 8:2 15:1,2	82:25 83:2 85:1 121:21	69:25 70:2,9,12 72:6,10	168:16,19 169:5 170:9
17:21 44:13 60:2 61:23	173:18 192:20	74:1 75:2 78:18 79:19	170:15 172:20 177:12
63:1,24 75:25 76:23	Tejada's 78:10	79:21 80:22 85:15,17	178:3,6 180:11 185:2
78:16 81:4 100:11	tell 8:23 12:24 25:15	85:19,21,22,24 87:8	190:22 192:25 193:8
101:17 109:13,21 112:1	38:20 70:4 118:5	92:1,2,6 95:2,20,21	197:7,15,23 198:22
112:17,21,22 113:14	120:16 121:22 146:13	96:6,7 98:21,22 99:1,2	199:1,20 205:15,23
114:18 116:4,16,19	165:24 166:15,19	99:3 101:20 103:5,6	think 8:21 11:12,16 14:4
118:4 122:4 128:20	168:11 185:25 186:4,18	110:1,3,3,12,12,13	14:4 15:23,25 16:2,3,10
132:13 135:25 137:9	187:14,16 203:18	113:19,23 115:1,2,3	16:20,22 17:7,11 19:24
142:18 146:12 156:9	telling 20:12 113:2 134:3	120:1,2 122:11 124:1,2	20:1,24 21:9 26:22
159:24 163:15 166:17 167:6 168:9,13 171:1	145:25 188:7	124:9,13,14,16 134:7	28:13 30:11 31:17 33:23 41:12 43:7 45:10
172:3,7 176:6 181:12	temperatures 138:21 template 192:20 193:13	137:11 138:2 144:2,4,7 145:22 146:3,6 147:5,7	48:3,8 49:5,17 52:15,23
186:3,17 201:7,17	ten 82:4 84:17 85:23	149:18,20 150:1,5	53:9,16,18,24 54:5,7,11
202:1 203:15 204:8	97:20 119:3,13 127:14	152:6,7,8,12,19 155:10	55:23 57:19 59:3,6,9,17
talked 55:7 60:1,5,24	129:18,19 142:18	155:11,16 160:21,22	60:3 61:5,5,6,25 65:10
61:14,15 110:17 135:8	170:17,21	161:1 162:25 163:1,6	66:2,8,15,20,23 70:6
137:9 147:4 192:20	tend 49:12 171:5 201:16	167:15,17 168:7,7	72:9,11,17 73:10,17,18
194:5,20	tens 41:1 42:25	169:3 176:9 179:3,5	74:4,11,16,22,25 75:4
talking 7:23 11:12 12:2	tension 207:5	181:4,6 184:17,18	76:4,5 77:17,23 79:21
14:19,20 17:9,9,11,19	tent 47:13 110:7 167:23	188:18 189:21,22,22	80:4,6,16 81:19,21
44:9 53:12 56:10,10	tenure 9:17 96:14	191:10,12 192:13,17	83:11 100:7,10,14
62:4 78:25 99:9 116:20	term 16:21 164:20	195:19 199:5,7 200:18	101:23,23 110:14,21
119:21 121:21 125:2	terminal 108:2	200:19 204:23,24,24	111:2 112:18 113:8
128:13,15,20 130:1	terminals 35:22 40:24	205:9,12,14 206:25	117:5 122:23 134:15
132:16,16 136:3 146:8	107:15,17 153:5,19	207:22,25	138:1 139:8 140:7
158:20 171:18 172:10	terms 44:9,16 60:24 71:6	thankful 155:17	141:9 143:20,21 146:11
185:8,23 187:25 196:12	73:3,4,24 78:14 88:6	thanks 9:17 44:4,4 47:11	146:16 155:19 156:2,25
202:2 206:2	91:15 114:2 120:23	192:17 199:16 205:13	161:10,23 162:8 164:9
tangible 13:9	121:9,15 122:6,6	theme 118:15	165:11 166:10 168:19
tank 155:19	163:18 165:10 171:7	thereof 209:19	169:3 170:19 171:17
target 23:16	173:15 174:4 182:23	they's 195:7	173:18 174:3,4 175:10
targeted 18:22 47:5,6	184:14 187:4 190:12	thick 71:11	176:5,16,24 177:13
151:17 189:25	197:20	thing 16:12,20 18:15 20:9	178:9,15,19,24 180:16
taste 116:20 117:17	terrible 186:5	49:21 61:5,19 65:4	180:22 181:10 182:16
tastes 117:8	territories 96:16	66:12 75:15 76:12	182:22 184:5,19,21
taught 126:17	territory 127:11	78:21 80:16 117:18	185:3,7,22 186:10,20
			,·,=== 100.10 ,= 0
	I	I	l

187:14 189:4 190:6,15	135:7 136:4 137:15	190:15 204:11,11,14,16	translates 77:11
190:24 193:18 194:7,20	138:8,13 143:14 145:20	204:16	Translating 39:19
195:10,20 196:8 198:13	147:23 152:1 161:13	top 31:3 62:21 70:17	translation 58:25
199:7,13,18 200:14,24	164:3 165:1 168:4	145:5	transmission 8:14 15:9
204:2,4 205:19,25	172:12 173:23,23	topic 6:19 14:25 22:12	15:10,11 18:16,17
206:1,11,15	175:25 178:14 179:25	86:24 137:9 149:8	19:12 20:13 64:4,7,9
thinking 33:18 63:13,16	181:23 182:1,5 183:14	190:17	81:4,5 82:15 153:11
	*		
77:10 188:23 190:7,20	190:19 193:2 196:18	torn 99:12	177:11
190:23 191:6 192:1	206:25	total 80:12 127:10,11	transparency 157:16
third 5:18 13:16 39:11,20	times 53:20 87:17,24	totality 173:19	transparent 25:18 47:1
69:22 120:13 135:4	93:18 114:5 123:16	totally 192:21 194:13	156:23 157:25
147:14 148:20 164:9	125:4,9,24 126:22	touch 166:5	transparently 83:4
177:20 182:16	151:25 172:11 191:15	touches 161:21	transport 9:5 35:23
Thomas 30:15	192:7	tough 85:8	transportation 4:7 105:3
thorn 136:4,7	tinker 73:14	tour 106:7,9,11 116:9	150:15 163:5 169:25
thorough 88:12	tip 167:22	tourism 111:18	172:16 177:6,11 179:21
thought 33:25 68:11	tired 104:17 136:22	towers 166:16	196:19 203:12
182:15,21	tirelessly 104:8	town 82:19 83:23 106:3	travel 151:24 152:2 182:9
thoughtful 151:17 184:19	Title 164:13	108:13 109:15,21	traveled 151:24
189:24 191:21 193:17	today 5:13,14 7:3,20 8:2	117:14 122:9 172:17	Travis 104:5
thoughtfully 14:5	8:22 10:16,25 11:11,13	toxic 32:22	treat 93:9 136:2
thoughts 70:21 193:16	11:20 12:23 13:20 14:9	Toxicologist 180:8	treated 20:5,21
205:11	14:17 21:9,14 22:9 25:8	toxins 35:8	treaties 96:17,21,24
thousand 129:15	27:7,11 28:24 29:19	track 117:12 147:1 159:7	treating 68:24 85:13
thousands 74:19 75:4	33:4 34:4 36:20 37:1,17	tracks 159:4 164:20,21	treatment 9:2 21:3
129:14	40:20 41:7 44:5 47:2,6	164:23	153:20
thousandth 45:21	48:4 71:5 85:18 87:24	trade 136:25	treats 118:16
thread 94:22,22	88:3 92:16,24,24 94:6	Trading 136:24	treaty 137:18 143:5,8
three 5:14 12:22 14:14	94:20 97:2,18 103:16	traditional 59:13 141:25	trees 40:2 90:11 186:3,3
15:24 16:17 20:15 37:8	103:18 104:2 108:14	traditionally 140:25	186:8
43:7 47:19 52:2 86:15	109:14 110:13,17	traffic 135:8	tremendous 60:16 141:20
93:18 94:1 95:6 106:2,3	115:11,13,22 117:24	trail 45:3	trial 130:11
149:2 168:3 175:9	120:15 132:10 137:20	train 108:1	tribal 28:10,15 29:4,9,10
181:6 183:7,20 198:11	140:2 145:25 146:15	trained 51:17	29:14 39:13 59:12
198:23	148:4 149:17 150:4,7	training 51:12,21,23	64:15 97:4,6,9,10,11,12
threshold 93:18 122:10	152:7 154:10 156:9	55:15 60:15 62:12,17	97:14,21 98:7,10,19,20
thresholds 90:1 160:13	158:13 160:24 161:2	133:23	113:25 114:1,5,22,22
175:10	162:13 163:7,20 165:22	Transco 89:21 90:14	137:13 140:9 141:1
thrilled 163:20	168:8 172:12 181:17	transcribed 6:8 147:10	142:2 143:4,18 162:18
thrive 22:25 83:24	184:25 204:1 205:13,16	transcript 37:3 209:19	192:4
Thurgood 101:23 102:1	206:7,12 207:6,11	transcription 209:20	tribe 31:11 95:25,25
Thursday 129:3	today's 7:4 11:5 13:13	transfer 29:9 138:4	96:21 97:1,16 114:3
tied 205:25	29:21 32:4 33:18 43:22	transform 64:25 65:1	162:15
time 12:8 23:7 25:7 26:11	153:5	transformation 23:20	tribes 27:25 96:9,10,12
27:7 30:22 33:19 45:11	toe 130:25	25:21	96:15,17,18 97:2,5,19
47:7,20 48:7 50:10	told 17:5 95:7 119:4	transformative 23:16,25	98:3,11,18 114:3,15
52:12 53:13 56:17 59:2	136:4 146:10 166:25	24:12	141:16,17,20 161:16
61:17 63:1,13 65:11,17	tone 104:18	transformed 27:2	205:8
65:22 72:25 73:19	tonight 102:21	transit 186:13	tried 112:19 135:1
74:21 75:16 80:14,15	tons 90:2,8,13 94:3 118:3	transition 22:20 28:12	triggering 90:2
88:23 91:19 99:15	tool 37:4 73:5 80:2	35:5 62:3,20,23 176:15	trouble 135:6
100:7,15 101:15,22	204:13,15	177:10 178:1 188:21	true 26:15 102:15 112:25
107:10 108:6 110:6,23	toolkit 23:25	200:5	132:11 143:9 151:21
120:25 121:5 122:20,21	tools 23:24,24 41:22 48:5	transitions 62:8	175:5 177:23
120:23 121:3 122:20,21	54:16 157:10 158:18	translate 13:21	truly 105:25 119:19,21
130:18,22 134:20,21	159:7 168:17 177:16	translated 12:4	119:25 131:18 133:5
130.10,22 134.20,21	137.7 100.17 177.10	dansiacu 12.7	117.25 151.16 155.5
	I	I	I

Page 32

		1	
145:13 151:8	U.S 2:12,22 4:7 22:4	51:6 93:6 96:13,17 97:2	66:17
trust 38:5 42:19 97:9	37:24 44:2 91:10 96:20	103:10 107:1 132:22	vast 15:10
152:5 156:7,10,20	120:12 163:4	145:21 150:16 153:14	Vazquez-Guemarez 2:9
195:1 201:21	UC 4:5 160:25 161:3	university 117:13 125:20	5:3,4 21:13 27:8,14
trusted 51:22	ugly 46:21	unjust 108:23 129:11	29:23 32:23 37:10
truth 102:4 129:24	ultimately 26:16 87:11	164:5	40:15 43:24 47:10
145:25	umbrella 64:3	unmute 22:2	49:25 52:14 54:2 55:19
try 85:12 94:19 134:18	unanimously 205:20	unnecessary 89:24	57:13 59:23 63:8 65:6
164:7 186:21 190:20	uncertainty 193:2	unregulated 187:1	66:6 68:6 69:25 70:9
202:23	uncomfortable 152:4	unusual 125:3	72:6 74:1 75:2 77:3,20
trying 37:5 61:19 67:3	167:5	unwinding 75:11	78:18 79:19 83:7,10
68:4,17,18 70:16 71:8	underestimate 71:17	updated 114:14 165:13	85:15,21
72:15 84:23 88:4 99:16	underground 153:17	199:22 200:3,4,5	vegetation 184:10
135:5,23 160:6 166:11	undermining 178:22	updates 192:23	vehicle 177:11 178:3
169:22 180:19 182:23	Underpinned 41:3	updating 165:17	vehicles 38:18
190:18,19 194:17	underscore 55:24 57:16	upfront 83:4	venture 84:16
203:10	63:13 70:3	upgrade 43:1	verification 91:8
tuned 150:7	underserved 25:11 42:6	upheld 76:25	version 165:13 193:6
tuning 147:23 159:18	62:6,14 166:6 169:12	uphold 77:1	200:1,2
turn 7:15 10:17 21:8,24	186:2,19,22	uplift 36:23	versus 64:1 85:5
21:24 47:13,14,21 73:3	understand 19:21 41:17	upstream 161:18	Vessel 3:13 103:8,14
85:19 87:2,2,3 110:10	41:24 49:6 51:8 52:9	urge 32:1 143:20	viable 156:17
127:7 130:23 143:24	59:8 65:18 69:20 78:14	use 13:7 18:19 32:1 34:19	Vice 2:20 40:17
144:4 149:9,11,12	91:13,22 110:24 116:17	36:9 41:22 47:17 49:1	view 144:23,23 174:5
167:23 168:5	123:11,21 128:1,15,23	76:18 82:3 87:10	176:11
turned 72:1 83:24 84:22	136:6 151:8 156:19	104:11 108:24 110:25	viewing 6:9
turning 71:14 141:3	164:10 166:7,8,9,15	110:25 145:3 155:23	views 20:7 154:3
148:2	167:12 171:1 180:11,12	159:7,8,12 168:1	vigor 77:1
turns 47:19 110:5 168:2	184:14 185:13 190:4,18	170:16 171:5,11 178:20	Village 137:14
TV 102:25	193:5 197:25 201:22	199:2	villages 97:6
twice 82:6 94:11	206:24	uses 9:8 34:7 42:7	vine 136:15
two 5:14 11:18 16:14	understanding 34:1	usual 96:25	violated 118:2
17:24 19:1 30:12 31:9	39:12 44:21 151:12,14	usually 67:2	violation 175:11
39:7 40:24 47:19 57:9 69:20 70:12 81:11 89:6	157:2 167:5 172:9,20	utilities 2:14 27:10,19	violations 93:22
96:9 100:13,20,22	172:22,25 174:23 180:25	28:6 58:4,9 89:22	Virginia 11:17,17 14:15 14:21 15:13 16:3,13
104:14 105:17 119:9	understands 78:17	utility 29:2 37:22,24 176:12 183:22 184:4	21:6 30:13,16,21
125:19 126:4 127:10,13	unduly 6:1 88:22 148:10	188:22 203:3,4,10	121:11
· ·	•	188.22 203.3,4,10	
134:3,4 135:4 147:14 153:18 156:1 160:6	unearth 182:2 unemployment 111:13		virtual 6:5 14:1 22:1 47:16 55:20 167:25
168:3 170:16,21,22,23	unethical 52:11	Valero's 125:15	virtually 27:11 104:16,17
173:19 174:17 179:5	unfair 108:22	valid 113:12	148:2 149:16 150:4
203:22	unfortunately 10:22	valley 58:21,22 78:11	160:24
Two-thirds 94:9	unheard 135:21	111:15	vis-a-vis 23:12
two-way 42:14	Uni 3:23 150:2,11	valuable 141:24 145:15	vision 54:18
type 56:20 114:7 122:2	Uni's 183:5	151:3	visit 7:5 95:18
130:6 133:23,23 141:21	unicorn 118:15	value 75:8,20,21 81:18	visiting 162:18
166:7	unincorporated 64:15	84:7,10 191:23 192:1	visitor 100:2
types 61:18,18,23 67:15	Union 121:11	valued 140:12,21 152:5	visually 101:3
158:20	unique 26:13 41:19 43:8	values 78:2 145:3 152:25	vital 42:18 54:9
typical 59:5 126:9	80:8 81:2 96:11 151:16	153:25 181:10 192:3,4	vitally 30:5 159:7 160:13
typically 58:12 165:24	154:2 161:10 164:6	variety 38:12 107:10	voice 60:22 101:14
169:14 185:25 186:19	179:9	123:11 207:6	104:11 110:15,15
186:21	uniquely 23:11	various 58:22 155:1	123:14 131:16,18,19
	unit 153:6,7 158:24	164:7	202:17
U	United 1:1 31:3 45:15	VASQUEZ-GUEMAR	voices 10:17 11:24 30:23
	I		I

Page 33

51:22 53:23 56:12
73:20 91:25 100:13,22
100:22 102:22 104:2
136:19 145:16 199:14
voluntary 190:8
volunteer 133:21 206:10
voted 53:1 97:22 142:10
votes 145:3 205:17
vulnerabilities 156:19
190:13
vulnerability 160:17,17
191:3,3
vulnerable 28:15 38:22
175:21
\mathbf{w}

wait 77:7 91:20 118:23 waiting 186:24 200:3 walk 83:17 116:20 132:9 186:6,6 walked 103:24 walking 135:23 186:21 **Walmart** 118:14 want 7:2 11:8 13:18,19 14:17 15:8 16:19 18:12 18:14 27:15 34:4,14 35:6,10 37:4 45:4,7,8 45:11 48:9 49:19 51:21 54:13,13 56:20 60:2 61:12 63:24 64:18 65:11 66:15 70:2,4 73:19 74:13,24 75:5,7 76:6 79:15 80:24 85:1 85:19 88:5 91:24 93:15 95:6 99:2.3.4.5.8.10 101:12,12 103:17 105:23 112:10,11,12 115:3 116:17 118:8 119:15,19 120:5 121:7 122:22 124:4,4,17 129:19,23 130:2,5,6,10 130:17,18 131:11 132:2 134:2 135:19 136:14,17 137:9,25 138:2 142:14 145:10,24 146:3 147:23 147:25 151:22,23 156:9 158:14 160:8 165:25 166:12,13 167:2,3 168:13,21 171:22 172:17 178:17 179:25 180:6 183:3,16 184:24 187:11,23 188:1,4,8,15 188:15 190:15 191:4 200:24 201:2,19 202:7 202:15 203:2,6,7,11,16 203:21 205:14 206:17

206:22 207:14 wanted 44:7 49:14 57:7 103:22 104:1,3,24,24 104:25 124:10 137:8 144:10 145:5 151:21 155:25 192:18 199:18 207:16,22 **wanting** 75:25 wants 67:17 70:5,19 131:5,10 146:21 warm 8:16 10:15 wash 135:13 Washington 1:11 33:21 161:17 209:16 wasn't 68:16,17 100:10 103:25 164:17 181:23 205:25 waste 108:23 wasting 130:18 watch 102:24 123:13 watched 207:11 watching 100:9 104:21 104:22,23 123:7,8,12 water 3:21 15:13 20:11 32:20 43:1 63:23 81:24 88:3 96:14,23 116:24 116:24 117:1,4,6,8,16 117:17 122:19 138:21 138:21 139:18 141:5 144:20 149:16,22 182:14 waters 97:15 wave 133:2 waving 66:12 way 7:14 8:24 20:9 37:7 37:19 44:20,25 55:10 59:5 67:14 68:12 73:15 74:23 77:11 84:13 85:3 93:14 104:12 123:19 132:8 137:4 138:12 141:6 144:22 146:9,24 146:24 147:1 148:20 149:13 151:11 157:7,18 157:25 166:5 178:10 179:11,24 181:3 190:9 192:3 200:7,13 ways 73:13 80:6 96:9 120:6 123:20 135:19 142:23 144:13 147:2 154:4 155:7 161:14 173:25 179:16 184:13 191:3 we'll 8:2 21:21 49:24.24 55:20 63:8 68:8 73:2

74:2 86:20 87:5 95:10

95:11,12 110:4 147:13

149:3 158:21 184:8 190:16 201:11 we're 7:20 8:22 11:7,19 24:9,9,11,12,13 25:8 27:9 28:12 29:6,7 31:17 35:24 37:20 39:20 42:15 44:18,22 45:22 46:8,16,18,22,25 50:17 50:20,23 51:4,13,20,20 52:1 53:11,12,15 55:2 57:10,23,24 59:9,10,11 62:4 65:1,16 67:3,20,25 69:1,13,21 71:21 72:15 73:6 74:10 75:11 76:2 77:5,11,25 79:7,8 81:16 82:4 83:14 84:3 85:12 85:13 86:6,18 88:5 95:3 99:9 101:3,9,16,17,20 102:19,20 103:21 104:17 108:13 109:13 109:21,22 112:13 114:18 115:5,12,21 116:19 117:13 118:4,21 128:13,15,20 132:8 133:20 135:5 136:2,10 136:15,16,18,21,21 138:1,11 139:2,3,24 140:5 143:12,13 147:2 147:5 156:15 158:20 160:3 166:10,10,13 167:12 168:9 170:11.12 170:13 171:25 172:11 176:15 177:12 178:6 179:18,23 183:8 184:16 184:20 187:3,4,7,9 188:21,22,25 189:4,7 189:13,19 190:7,17 192:21 196:13 197:5,15 197:16,20 200:3,5 205:7,21 207:1 we've 9:9 14:16 37:19 38:7 44:19,19,20 45:21 46:20,20,21 48:3 50:3 50:25 51:10 53:13 59:17 61:14 65:19 66:25 67:15 69:3 72:4 72:24 76:24 85:11,18 87:16 129:13 136:14,15 137:15,15 138:2 168:14 168:15 171:20 174:9 176:21 184:25 190:6,7 196:5 200:25 205:16 **WEA** 99:6 wealthier 109:15,21 117:14

weary 12:2 14:8 45:6,9 weather 144:17 webcast 6:3 website 6:7 7:5 99:16 198:14,15 199:2 Wednesday 1:12 44:22 209:17 wee 106:14 week 68:8 101:20 108:3 118:18 139:21 140:6 weekend 111:16 weighing 157:24 160:18 168:18 184:16 weight 36:4 59:11 welcome 5:7 7:7,17 10:16 11:8 21:16 70:21 86:4 147:19 welfare 88:5 well-being 173:21 well-established 78:23 went 33:20 58:21 99:8 125:16 178:12 weren't 30:23 west 11:17 14:21 30:21 69:14 101:24 142:8,22 161:14 whatsoever 17:20 wheel 195:7 white 68:18 69:2,2,4 117:14 130:24 159:6 165:12 198:10 Whitehouse 163:12 whiter 109:15,21 wide 14:6 **widening** 170:12 wife 68:10 186:5 wilderness 194:14 wildlife 184:1,9 191:16 wildly 85:11 Willie 2:2 146:21 willing 46:16 49:18 70:6 95:3 187:22 win/win 67:23 window 119:4 wish 7:3 142:16 witnesses 58:16 woke 115:9 170:4 woman 130:10 wonderful 99:22 165:16 185:12 201:12 Woods 102:23 word 95:9 111:3.18 112:22.25 207:25 words 32:9,14 37:1 96:3 206:12 work 10:10,11 12:22

wealthy 17:3 68:13,21

Roundtable on Environmental Justice and Equity in Infrastructure Permitting - March 29, 2023

Page 34

12.22.14.2.15.22.10.0		12000 174.17	29.02.12.112.6.127.15
13:23 14:2 15:22 18:8	year 29:11 40:21 60:19	12898 164:16	38 92:13 112:6 127:15
25:23 33:15 34:3 38:7	60:20 68:9 93:23 97:21	130 163:14	
40:23 41:18 45:1 46:1	106:15,15 107:6 119:14	13985 164:25	4
50:3,12 56:17,22 57:10	139:20 142:11 162:16	14 187:9	4:49:40 207:5
59:18,19 60:15 61:24	198:8	140 102:7 153:4	40 24:9 25:2,2 46:5
62:10 68:20 70:5 79:14	year-long 14:7	15 5:15 7:8 49:1 153:18	196:22,23,25 197:4,20
87:11 91:1,13 94:16	years 11:18 15:3,7 30:13	16 60:20 69:3 99:14	197:22
101:9,13 109:11 115:24	38:7 39:9 42:22 44:20	17 15:3,7 33:24	400 30:13
121:15 122:22 125:17	49:1 51:18 57:9 58:12	18th 64:12	42 127:15
131:1 135:12 136:17		19 90:13	45 86:19
	60:19 82:4 84:17 89:6		
141:17 142:7 145:9	92:13,14 93:17 94:1	1900's 97:17	4th 68:9 102:23
151:2 152:15 154:10	95:20 97:20 99:10	1940's 170:1	
161:16,17,18 163:9	102:7 106:1 107:1	1950's 170:1	5
172:13 176:10 181:18	112:7 117:1 118:9,23	1978 57:9	5 90:24
182:8 186:7 190:3	119:9,13 121:4 126:6	1991 33:20	5:00 102:24 129:7 172:13
199:11 206:15,17	133:9 142:19 152:15	1994 164:17	50 33:14 161:11 162:3
worked 39:8 49:11 92:12	161:11 162:3 163:24	1st 1:10	500,000.00 187:19
108:8 142:2 154:3	164:11,15 169:12	150 1.10	55,000 94:9
182:18 201:8	176:21,21 179:15	2	5777106 6:6
	*	2 3:1 86:2 119:14	3///100 0.0
workers 130:25	181:15 196:4		6
workforce 24:25 62:2	yellow 203:8	2:00 5:19 86:19	
working 29:7 39:20	yield 156:10	20 31:4 73:7 106:1	6 34:4 164:13
44:18 48:20 57:2,20	young 135:22	107:17 163:24	60 42:22
62:22 69:11,17 87:15	YouTube 6:3 123:8 147:8	20's 97:24	60,000 94:9
113:25 129:6,8 150:20	147:8,11	200 81:7	600 93:22 150:13
153:17 162:15 163:24	Yurok 95:25,25 98:16	2002 88:25 200:2	
178:6 180:24 181:1,15	137:13 139:6 142:17	2005 87:16	7
182:9 183:8 191:8	137.13 137.0 142.17	2006 99:10	7 34:4 36:15 159:24
			7:00 102:24
205:7		2016 97:21 165:17	
works 47:14 62:1 83:20	zero 37:23,25	2017 200:2	70,000 153:10
128:2 172:11 186:5	zone 38:11 85:5	2018 38:9	700 153:16
200:13	zones 35:1 102:10	2020 108:8 133:14 198:9	76 90:10
workshop 40:14 198:16	Zoom 22:2 47:17 168:1	2021 27:23	765 20:13
workshops 58:23,24	Zooming 100:9	2022 90:7	
world 33:22 43:19 92:11		2023 1:12 7:8 209:17	8
103:11 107:2	0	2030 37:23	8 69:3
world's 31:3		20426 1:11	8:00 172:13
worry 110:8	1	21st 87:9	80 111:12
	1 2:7 21:11 97:18 107:6		80,000 107:13
worse 88:2 94:11		22 33:13,14	
worst 30:17	1,000 90:2	25 18:2 99:9 133:9	82,000 153:4
worth 115:14 205:10	1,000.00 16:25	26 152:15	888 1:10
wouldn't 75:18 100:16	1:15 86:18,19	27 42:13 132:22	888-324-9240 6:6
187:20	10 106:6	283 90:8	
wrap 147:5 193:4	100 15:4,7 17:23 18:1	29 1:12 209:17	9
Wright 104:6	81:7 121:4 159:5		9 42:14
write 130:4 134:4 167:2	176:21,21 177:10	3	9:00 129:7
written 7:8 13:23	186:16	3 3:16 21:22 34:4,6 60:19	9:30 1:13
	10th 118:10	91:4 97:18 147:17	9:39 5:2
wrong 17:11 81:13			
170:18	11 119:14 187:8	159:25	94 31:8
	11,000.00 139:19	3:32 208:2	95 49:13 125:22
X	11,800 94:3	30 18:3 29:12 31:6 32:14	
	11:30 77:5 85:23	39:9 44:20 71:22 94:10	
Y	11:40 85:24	117:1 161:11 162:3	
yard 170:4 187:7	12 93:14 94:25 136:7	163:25 164:15 196:4	
yeah 14:23 77:21 82:3,20	187:6	30's 97:24	
83:1 171:21 187:8	120 93:16 95:19	35 92:14 126:6	
03.1 1/1.21 10/.0	120 /3.10 /3.1/	33 72.17 120.0	
	I		l

Document Content(s)
032923RoundtableFULL.pdf1

Document Accession #: 20230405-4001 Filed Date: 04/05/2023