

UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE
CAPE WIND ENERGY PROJECT

Public Hearing

March 13, 2008

University of Massachusetts

100 Morrissey Boulevard

Boston, Massachusetts

Cape Wind Energy Project - March 13, 2008

PROCEEDINGS -- 6:02 p.m.

MR. MOORE: Good evening, everyone.

Welcome to the fourth hearing on the Cape Wind DEIS. I would like to welcome you to this intimate little space. My name is Chris Moore, and I'm a facilitator from CDR Associates, which is an independent facilitation firm that helps people talk about important issues and share their views and also reach agreements. So I will be facilitator this evening.

And I might comment on this that this arena is probably the third of three that have probably been the most amazing in my life. One was the Fairbanks hockey arena, where we had 1,400 people discussing wolf control, many of them dressed as wolfs, just as we have a bear over here. Another one was a discotheque, where everyone who made a statement, the floor flashed for emphasis. So this one is quite a place.

So I would ask -- I know that many of you have chosen to sit way down at the end;

Cape Wind Energy Project - March 13, 2008

but if there's any way you can move up here a little bit closer, it would make it feel a little bit more like we're a group, rather than spread between here and Nantucket.

So let me talk a little bit about this evening and the process for this evening. This is an opportunity for you to share your views. It is not really a question-and-answer session. It is one where you will be able to come up, and we'll give you a sign-up to participate and to make a statement; and for our colleagues from MMS here, which is the Federal agency that is in charge of the EIS, are going to be here to hear what you have to say.

So let me mention just a little bit about the process for this evening, to make our evening go as efficiently and as productively as possible. First of all, I want to mention just a few things about logistics. For those of you look, both the men's and the women's restroom.

(Off the record.)

Cape Wind Energy Project - March 13, 2008

MR. MOORE: Half the people who are here will be able to speak. So I guess this is a question to you: Are you willing to try a two-minute time frame to speak?

I can see this group is really good at consensus decision-making. So let's take a straw vote, which means it's not binding, but I need to see how many of you would accept a two-minute limit on speaking. And how many would want three minutes?

I'm going to ask you, I think that it is a majority that would accept two minutes. And I will ask if the rest of you will let us do that. So two minutes. And the public officials who come in, we will ask them, they had five minutes, I'm going to ask them to speak for three minutes.

When we get to the end of your -- when you come up to speak, if you would say what your name is, and also, your card, if you could sign your card as legibly as possible, it will help Alan, up here, keep a record of who you are, so that when the transcript is

Cape Wind Energy Project - March 13, 2008

prepared, everyone will have their name on that.

Also, as you speak, if you not go lickety-splickety, talk very fast, because, if you do, no one will understand what you're saying. So if you will speak slowly, that will be helpful.

So I think that's about where we are. Did I forget anything? Oh, yes: If you have a written statement that is the backup of what you said, if you would give them to your colleagues here up front, and we'll make sure that Alan can use it to go over to prepare his transcript.

So with that, I think we're ready to start the meeting. And I'm looking forward to a good meeting here.

I've just heard from my colleagues that because of the echo in this room, it is very hard to speak, hard to hear. So we encourage you to speak -- given your two minutes, it's going to be a dilemma, because you're going to speak rapidly, but people will

Cape Wind Energy Project - March 13, 2008

1 have trouble hearing you because of the echo.
2 So we will try our best.

3 Let me mention that we will go for
4 two hours, and then we'll take a break. We'll
5 go for another two hours, take a break. And
6 then we'll go for the third two hours and take
7 a break. Each of the breaks will be 15
8 minutes long. This is to allow folks up here,
9 who it's hard to sit for six hours, and also
10 because we have agreed that we don't want to
11 promote carpal tunnel syndrome with Alan. He
12 needs a chance to stretch, because he will be
13 listening to every word you say, as well as
14 typing it out.

15 So at this point I would like to
16 turn it over to Bob LaBelle, of the Minerals
17 Management Service.

18 MR. LaBELLE: Thank you very much,
19 Chris. First off, I'd like to thank Chris and
20 all the folks from CDR, who have done a great
21 job. This is our fourth hearing in four days,
22 and also all of the people from TRC, who are
23 doing all the logistics for us, thank you very
24

Cape Wind Energy Project - March 13, 2008

1 much. Great job. Also, I'll thank all of you
2 for coming to take the time to give us the
3 information that we need to make this
4 environmental impact statement better.

5 MMS is a small agency. We were
6 formed in 1983 with the Department of
7 Interior. We manage offshore oil and gas,
8 minerals, sand and gravel for the beach.

9 We manage this all on the Federal
10 waters of the ocean, which in Massachusetts
11 starts three miles off the coast. In 2005 the
12 Energy Policy Act gave MMS a -- co-delegated
13 the authority to MMS for alternative energy on
14 the outer shelves for things such as wind,
15 waves, ocean current energy, and maybe someday
16 solar energy production offshore.

17 On the panel we have Maureen
18 Borholdt, who is the program manager for the
19 Office of Alternative Energy Programs, and Dr.
20 Rodney Cluck, who is the MMS Cape Wind project
21 manager. Rodney's going to give you a brief
22 description of the project in just a moment.
23

24 So the purpose of this process is a

Cape Wind Energy Project - March 13, 2008

1 full and fair discussion, so please, be
2 considerate, leave some time for your
3 neighbor. There's lots to talk about. And we
4 want to get the information so we can put it
5 to work.

6 We're after your comments, your
7 specific comments on this. We're not going to
8 be answering you, we're going to be listening
9 to you, and we will take every comment and
10 answer it in the final EIS, and they'll all be
11 posted online.

12 We're looking to identify issues of
13 concern, identification of measures that might
14 help reduce impacts, and any additional
15 environmental information that we need.

16 Just a couple of thoughts about
17 what happens after the EIS process. The EIS
18 provides environmental information to the
19 decision-maker -- in this case, that's the
20 Secretary of the Interior. If a project
21 passes the EIS hurdle, MMS would then get
22 involved in such things as rentals, so that
23 the American public would get a fair return
24

Cape Wind Energy Project - March 13, 2008

1 for the resource; decommissioning, taking
2 obsolete structures off the ocean when their
3 lifetime is finished and requiring financial
4 bonds to make sure that happens not at the
5 expense of the American taxpayer. Also
6 revenue sharing is in the law, 27 percent in
7 this case; and of course, most importantly,
8 ensuring human safety and environmental
9 protection, so that operations don't have bad
10 effects.

11 For any approved projects, we
12 require many plans to be reviewed. This is
13 after the EIS if the project is approved.
14 Site assessment plans, how it's going to be
15 built, how it operates every day. We have an
16 inspection force that goes offshore, both
17 regulatory inspections and MMS, to make sure
18 everything is being done in a safe way, and
19 many reports that we require from the
20 operator.

21 So your comments -- we extended the
22 comment period. It's been open since January.
23 We extended it to April 21st because it's such
24

Cape Wind Energy Project - March 13, 2008

1 a lot of information in the document, and we
2 did get some requests to extend it. You can
3 comment online at that address or see any MMS
4 person who's here, who can give you the
5 address for comments, or you can send it in by
6 regular postal mail at that address.

7 Next I'm going to introduce Rodney
8 Cluck, who will tell you about the project.
9 Thank you.

10 MR. CLUCK: Thanks, Bob. First, I
11 want to say welcome to everybody. I want to
12 go through this rather quickly. I hope you
13 can all see the screen somewhat. I want to
14 tell you a little bit about the project and
15 the Draft Environmental Impact Statement.

16 The project is 468 megawatts,
17 located in Horseshoe Shoals. How far is it
18 offshore depends on where you measure, of
19 course, about six miles off the Cape, nine off
20 Martha's Vineyard and 13 off Nantucket Island.

21 The project description, we're
22 looking at 130 turbines, at the highest point
23 440 feet high. We have 33-kilovolt inner

Cape Wind Energy Project - March 13, 2008

1 which, rather than 130 wind turbine
2 generators, would be 65 wind turbine
3 generators.

4 We looked at phased development,
5 which means putting in 65 wind turbine
6 generators first, monitor for environmental
7 effects and other types of safety impacts, and
8 depending on what the results of that is, then
9 you would either approve another 65 or not.

10 We looked at a condensed array,
11 which essentially is just taking the 130
12 turbines, moving them closer together, to make
13 a smaller footprint.

14 We also looked at two other sites.
15 We looked at the Monomoy Shoals alternative,
16 here in blue, and to the south, the Tuckernuck
17 site, here in orange. And then within the
18 Environmental Impact Statement that you have
19 you also have the no-action alternative, which
20 means that the Government would take no action
21 whatsoever.

22 In order to determine what the
23 impacts are on the resources, you have to
24

Cape Wind Energy Project - March 13, 2008

1 array cables, and you have two 115-kVa C
2 transmission lines running into Yarmouth.

3 This is the location where the
4 cables would run into Yarmouth, through Lewis
5 Bay.

6 The way we did this is we looked at
7 several alternatives, and we developed
8 alternative screening criteria to try to
9 narrow the scope of alternatives. The
10 criteria we included in using this are here on
11 the screen: wave height, water depth,
12 substrate -- for example, if there were rocks
13 in the bottom of the ocean in that area --
14 transmission-line distance. We looked at
15 minimum wind speed, if the technology was
16 currently available, and we did a limited
17 economic analysis, just for NEPA purposes
18 only, to compare the economic performance
19 among those alternatives.

20 And this is what we came up with.
21 The green up here is the proposed action by
22 Cape Wind Associates at Horseshoe Shoal. We
23 also looked at, in red, a smaller alternative,
24

Cape Wind Energy Project - March 13, 2008

1 determine what factors produce those impacts.
2 So we have sections on impact-producing
3 factors. We looked at all possible factors,
4 routine and nonroutine activities, that could
5 possibly happen, through the construction,
6 operations, and decommissioning
7 phases of development.

8 I'm going to give you a few
9 examples up here just quickly. For
10 construction, routine impact could be noise
11 and vibration; nonroutine could be an oil
12 spill. Operations, foundation scour is a
13 normal routine effect. A nonroutine effect
14 during operations could be monopole collapse.
15 For decommissioning, seabed site clearance
16 would be routine, and nonroutine would be
17 vessel collisions during those seabed site
18 clearances.

19 So we have the impact-producing
20 factors. Then we also have the impact of
21 them. We assign impact levels to each
22 resource. When I say "resource," I mean it
23 could be bird, fish, socioeconomics, any of
24

Cape Wind Energy Project - March 13, 2008

1 those aspects we looked at in the Draft
2 Environmental Impact Statement. Negligible
3 means no measurable impact. Minor means
4 resources will recover completely. Moderate
5 means you'll have complete resource recovery,
6 but you have to have some type of mitigation
7 to do that. And then major means that
8 resources would not fully recover completely
9 even if you did whatever types of mitigation.

10 So the summary of impacts: Most of
11 the impacts we found for the Cape Wind project
12 are either negligible or minor. But we did
13 find some moderate impacts, and these moderate
14 impacts must offer some type of mitigation.
15 For avifauna, especially marine birds, we
16 found moderate impacts for the construction
17 and operations phases of development. For
18 fisheries there would be impacts during
19 construction, especially during monopole
20 installation, which you have to have
21 mitigation for those impacts.

22 Marine mammals, impacts for
23 construction as well as the operations phases.
24

Cape Wind Energy Project - March 13, 2008

1 MR. MOORE: Thank you very much,
2 Rodney. Before we begin with some of our
3 speakers, we also want to thank the University
4 of Massachusetts here at this campus for
5 allowing us to use this facility. We had
6 moved to this one because we wanted to have
7 enough space for everyone to be able to come
8 and speak. So thank you all.

9 So what I will do is call our first
10 six speakers. If you would come up and sit in
11 the chairs here. And as we go, I'll be
12 calling other speakers, so that ideally what
13 we'd like to do is always have the chairs
14 filled, so that it doesn't take as long to get
15 to the mikes.

16 So the first people who we would
17 like to have speak are Cheryl Andrews Maltis,
18 Emily Quitsa Vanderhoop, Chuck Green, and
19 Charles Bishop, Pat Natale and Jane Nichols.
20 So if you would come up, and I will call the
21 other folks after you've gotten a chance to
22 speak.

23 Let me explain the lighting system
24

Cape Wind Energy Project - March 13, 2008

1 Visual, you'd be able to see the
2 things from shore during operations, and if
3 you were right in close proximity, right next
4 to a 440-foot structure, of course, that would
5 be a major visual effect.

6 Competing uses during operations
7 would be an impact during the Figawi race.
8 They may have to change or avoid the turbines.
9 And vessel traffic during operations within
10 the wind farm itself during times of heavy
11 fog, it could have impacts.

12 So the time line: As you all know,
13 the draft is out. That's what we're
14 commenting on tonight here at the public
15 hearings. The Final Environmental Impact
16 Statement I'm hoping to finish this fall. And
17 that would be followed by a record of
18 decision, usually or approximately 30 days
19 after the Final Environmental Impact
20 Statement.

21 Again, welcome to everybody. I
22 look forward to listening to your comments
23 tonight. Thank you.
24

Cape Wind Energy Project - March 13, 2008

1 here. Many of you have been to other hearings
2 for the Cape Wind. But basically, we have the
3 three lights here. The green one will come
4 on, and it will ask you to start. The yellow
5 one will come on, and it will let you know
6 that you have 30 seconds before the end. And
7 then the red one, like a stop sign or a
8 stoplight, even though you don't have them on
9 Nantucket, it will tell you to stop. And I
10 will probably stand up and encourage you to
11 stop, please.

12 So, I think we are just about
13 ready. So our first Representatives. Thank
14 you very much. So this begins our public
15 officials presentation. Thank you.

16 MS. VANDERHOOP: My name is Emily
17 Vanderhoop, and I'm a member of the Wampanoag
18 Tribe of Gay Head (Aquinnah) and Martha's
19 Vineyard Island. I'm a licensed fishing
20 charter captain. And I'm also responsible for
21 continuing the legacy of my father, Captain
22 Bunny Vanderhoop, and all of his fathers
23 before him. That's a legacy of tradition
24

Cape Wind Energy Project - March 13, 2008

1 handed down for thousands of years from my
2 Wampanoag ancestors.
3
4 Conservation is not only my
5 responsibility but everyone's responsibility.
6 Of course alternative energy seems like a good
7 place to start, but preservation goes hand in
8 hand with conservation. It makes no sense to
9 fix one problem by creating another -- and
10 yes, these turbines would create a big
11 problem.

12 The footings for these machines
13 alone will destruct the ocean floor terribly.
14 Sedimentation will be entirely detrimental to
15 one of the richest bait fish spotting grounds
16 on the East Coast. Without bait fish, there's
17 no big fish, like bass, fluke, and other fish
18 that sustain our fishing community. This
19 would result not only in loss of culture, but
20 loss of thousands of families' livelihood, not
21 to mention the disruption of the natural
22 migratory oceanographic food chain.

23 The future of our ocean depends on
24 our protection. Choosing a safe location for

Cape Wind Energy Project - March 13, 2008

1 conservationist, and I'm an American Indian,
2 and I am all about saving this planet, but not
3 at the expense of my history, my future, and
4 my livelihood.
5

6 If you are saying yes to this
7 project to protect and save the environment,
8 then you couldn't possibly be looking at or
9 understanding the facts. Maybe you've been
10 miseducated or maybe made your decision in
11 vain. The DEIS has misrepresented the
12 Wampanoag tribe, categorizing us in
13 environmental justice, when really we
14 represent cultural and historical resources.
15 The DEIS also misstates facts regarding views
16 from tribal lands. Yes, the wind farm will be
17 very visible from our tribal lands. Our
18 homelands are very important to preserve and
19 honor. We cannot conserve without considering
20 preservation and sustenance. Please say no to
21 the destruction of the Nantucket Sound.

22 MR. MOORE: Thank you very much.
23 Charles is next. You're speaking for Charles
24 Gifford?

Cape Wind Energy Project - March 13, 2008

1 wind farms is just as important as the
2 alternative energy goal. 130 footings in an
3 active ocean will obviously change, disrupt,
4 and hurt fish and their natural environment,
5 as well as fishermen and their families. The
6 turbines create a safety hazard for fishing
7 vessels and make search and rescue impossible.

8 Martha's Vineyard is our homeland.
9 As a Wampanoag, I have the right and
10 responsibility to protect our waters. We are
11 the People of the First Light. We are not the
12 people of an industrial park. Fixing problems
13 like global warming is and should be a
14 cooperative effort, not a decision based on
15 politics, misinformation, and made-up numbers.

16 Horseshoe Shoals would be
17 destroyed. Are you really ready to be
18 responsible for destroying an entire
19 community, fishing industry, and wildlife
20 pattern? Of course, the beauty of our sound
21 would be disrupted. Industrializing one of
22 the few natural places that we still have
23 doesn't make sense environmentally. I am a

Cape Wind Energy Project - March 13, 2008

1 MS. MURPHY: My name is Roberta
2 Murphy. I'm speaking on behalf of Chuck
3 Green. He's the tribal environmental counsel
4 and Town of Mashpee selectman.
5

6 Back in 2006 the Town of Mashpee
7 voted on this project. The overwhelming
8 response, 61 percent, was no to Cape Wind.
9 The damage to the local lifestyle, the
10 environment, and the economy would be too
11 great to bear. These damages are in no way
12 adequately reflected in the DEIS. We see no
13 benefit to this project. Not only will it not
14 lower the use of fossil fuels; it will
15 actually increase the production needs.

16 Electricity costs to the end
17 consumer will increase, possibly as much as
18 three times what they are now, just as they
19 have in Denmark and England. It is crucial to
20 the people of Mashpee and the Wampanoags that
21 Nantucket Sound be as it is meant to be, a
22 source of life for all those who choose to
23 live on her, in her, and by her. Please
24 revisit the DEIS and identify a more

Cape Wind Energy Project - March 13, 2008

1 appropriate range of alternatives. Thank you.
 2
 3 MR. MOORE: Thank you very much.
 4 Charles?
 5 MR. BISHOP: My name is Charles
 6 Bishop. I live on Cape Cod, and I'm here
 7 tonight to present the testimony of State
 8 Representative Demetrius Atsalis of Barnstable
 9 and Yarmouth. Also a second elected official
 10 has asked to be associated with these remarks,
 11 Ronald Bergstrom, a member of the Barnstable
 12 County Assembly of Delegates from Chatham and
 13 also a Chatham selectman.
 14 The winds of change have certainly
 15 been at work over these past six years, as we
 16 have witnessed the course of events
 17 surrounding the Cape Wind project and its
 18 plans to industrialize 25 acres of Nantucket
 19 Sound. During this time dozens of public
 20 hearings, informational meetings, and debates
 21 have taken place. The fact that so much
 22 activity and attention have been given to this
 23 project is a good thing.
 24 However, the ever-growing fictional

Cape Wind Energy Project - March 13, 2008

1 themes promoting the benefits of this project
 2 continue to grow, while misleading the public.
 3 This is not a good thing. Proponents of the
 4 wind development continually confuse the facts
 5 in an attempt to redirect the law. This
 6 misdirection is not limited to all those
 7 promoting this ill-conceived project, but the
 8 lion's share of my concern for such action is
 9 clearly focused on Cape Wind, its backers,
 10 so-called environmental groups, and the
 11 Conservation Law Foundation.
 12 With so much money at stake, it
 13 should surprise no one that many people,
 14 campaigns, and developers want a piece of this
 15 billion-dollar pie. With the pro-wind banner
 16 proclaiming universal peace, clean air, no
 17 mere sick babies, and energy independence,
 18 many backers seem blinded by the promises
 19 being made by Cape Wind.
 20 For nearly five years my position
 21 on the Cape Wind project and its location have
 22 remained constant. I wish to be on record
 23 once again. There is an absolute need to

Cape Wind Energy Project - March 13, 2008

1 increase our production of green renewable
 2 energy, including wind energy. In order to
 3 establish a uniform process for the siting of
 4 offshore wind projects, a national
 5 standardized policy is needed and long
 6 overdue. Along with this new siting
 7 procedure, new and emerging renewable energy
 8 technologies need to be investigated. This
 9 week alone it was announced that a new
 10 deepwater technology is available and could
 11 possibly be used in ocean areas that would
 12 mitigate the need to place these energy
 13 producers in shallow locations that draw
 14 concerns from people living near the
 15 coastline.
 16 However, Cape Wind is not the way
 17 to develop sound public policy. We need to be
 18 clear in this matter: This project is not
 19 about the war in Iraq, it is not about global
 20 warming, and this project is not even about
 21 failed promises of low-cost energy. This
 22 project is about incomplete public policy,
 23 money, and opportunity. Thank you.
 24

Cape Wind Energy Project - March 13, 2008

1 MR. MOORE: Thanks very much.
 2 Before we ask Pat to come up, will William
 3 Marasco, Charles Gifford, and Margaret Serpa
 4 please come up also to chairs. Now we'd like
 5 to have Pat Natale.
 6 MS. LOWELL: My name is Frances
 7 Lowell, and I'm speaking on behalf of Pat
 8 Natale, State Representative of the 30th
 9 Middlesex District.
 10 For nearly five years we have
 11 witnessed the course of events surrounding the
 12 Cape Wind project and its plans to
 13 industrialize 25 acres of Nantucket Sound.
 14 During this time many public hearings,
 15 informal meetings, and debates have taken
 16 place, showing a great interest in and
 17 garnering much attention to this project.
 18 This interest shown proves to be a positive
 19 thing.
 20 However, the ever-growing fictional
 21 arguments pushing this project are misleading
 22 the public and in the end could prove to be
 23 quite detrimental to the very environment that
 24

Cape Wind Energy Project - March 13, 2008

1 they now enjoy. Central to the controversy
2 are the project's economics and the true
3 impact on the Cape and Islands electricity
4 bills.

5 While many stakeholders have
6 examined Cape Wind's economics, at this point
7 we do not have a truly independent assessment
8 of the Cape Wind economics and the impact on
9 Cape Cod's electricity rates. Additionally,
10 Cape Wind's capital investment is well above
11 \$1 billion, and with a combined state and
12 Federal subsidies over the life of the project
13 will be estimated to be 1.2 billion. With so
14 much money at stake, it should be no surprise
15 that many people, campaigns, and developers
16 want a piece of this billion-dollar pie.

17 In order to establish a uniform
18 process for the siting of offshore wind
19 projects, a nationalized standardized policy
20 is needed. Along with this new siting
21 procedure, new and emerging renewable energy
22 technologies need to be investigated.

23 However, this project is not the
24

Cape Wind Energy Project - March 13, 2008

1 way to develop sound public policy. It needs
2 to be clear that this project is about
3 incomplete public policy, money, and
4 opportunity.

5 There is an absolute need for
6 cost-effective clean energy, and it is obvious
7 our state and nation require alternative
8 sources of electrical power. One definitive
9 step toward this goal is our
10 soon-to-be-enacted Massachusetts energy bill,
11 which will position our state as a leader in
12 energy efficiency. I urge MMS to set the
13 highest standards for all future wind projects
14 and reject this project, its scope and size,
15 until an enforceable, uniform process is
16 established. Thank you.

17 MR. MOORE: Thank you very much.
18 We're going to change our sequence and have
19 Cheryl Andrews Maltis, from the chairman of
20 the Wampanoag tribe.

21 MS. MALTIS: Good evening. Again,
22 my name is Cheryl Andrews Maltis, and I am the
23 chairwoman of the Wampanoag tribe of
24

Cape Wind Energy Project - March 13, 2008

1 Massachusetts. We're from the island of
2 Martha's Vineyard. We are smack dab in the
3 middle of this controversial experimental wind
4 program.

5 I just want to say for the record
6 that in our position as the former tribal
7 historic preservation officer as well as the
8 chairwoman of our tribe, we feel that the
9 environmental impacts statement is in fact
10 flawed. It ignores certain concerns and
11 minimizes certain impacts that we feel very
12 strongly needed to have more attention paid to
13 them. Again, this is an industrial experiment
14 without a regulatory process to evaluate the
15 proposal, regulations to measure compliance,
16 and a regulation to measure the true benefit
17 to the local and regional economy and
18 population.

19 While we are in favor of wind power
20 and alternative energy, we are simply not in
21 favor of this project as it is in this
22 location, and we do not stand alone. I'll
23 read for the record a resolution from the
24

Cape Wind Energy Project - March 13, 2008

1 United South and Eastern Tribes, of which we
2 are a member. And the resolution is
3 Opposition to Cape Wind's Wind Farm Proposal,
4 Horseshoe Shoals, Nantucket Sound,
5 Massachusetts.

6 "Whereas United South and Eastern
7 Tribes, Incorporated (USET) is an intertribal
8 organization comprised of 25 Federally
9 recognized tribes, and whereas the actions
10 taken by the USET board of directors
11 officially represents the intentions of each
12 member tribe, as the board of directors is
13 comprised of delegates from the member tribes'
14 leadership; and whereas the Wampanoag Tribe of
15 Gay Head (Aquinnah) is a member tribe of the
16 Great Nation of the Wampanoag People, they are
17 known as the People of the First Light. The
18 name defines who they are and differentiates
19 them from all other tribal nations. Their
20 name and its definition are the cultural and
21 spiritual identity and the essence of who they
22 are. Since time immemorial the Wampanoag
23 people have inhabited the area of the
24

Cape Wind Energy Project - March 13, 2008

1 easternmost lands and waters and have
2 maintained their traditional spiritual and
3 cultural connection to them.

4 "And whereas as the People of the
5 First Light, one of the most important aspects
6 and fundamental components of their religious
7 and cultural beliefs and practices is their
8 ability to experience, embrace, and give
9 ceremony and prayers of thanksgiving to the
10 first light, these ceremonies, spiritual and
11 religious practices are dependent upon
12 maintaining the ability to view the first
13 light, the eastern horizon vista and viewshed
14 without obstructions. Additionally, there are
15 other impacts, such as the celestial and
16 solstice ceremonies, which will also be
17 adversely impacted.

18 "And whereas the right to practice
19 their religious ceremony in the traditional
20 manner will be forever denied by a proposed
21 experimental wind farm, consisting of 130,
22 plus or minus, windmill turbines, with
23 propeller blades reaching approximately 440

Cape Wind Energy Project - March 13, 2008

1 feet above the surface of the water, on about
2 25 square miles (about the size of Manhattan),
3 slated to be located in the shallow waters of
4 Horseshoe Shoals and Nantucket Sound, in the
5 middle of the shoals of Cape Cod, Martha's
6 Vineyard, and Nantucket." I'll just finish:
7 "Therefore the Wampanoag tribe opposes this
8 placement of this wind farm in the traditional
9 Wampanoag waters of their religious and
10 ceremonial sanctuary." And the USET board of
11 directors supports the Wampanoag tribe of Gay
12 Head and their position to oppose this. And
13 again, that's 25 Federally recognized tribes
14 of the United South and Eastern Tribes.

15 MR. MOORE: Thank you.

16 MS. NICHOLS: My name is Jane
17 Nichols. I live on Cape Cod, and appear to
18 give testimony of State Representative Jeffrey
19 Davis of Sandwich, Mashpee, Bourne, and
20 Barnstable.

21 "Unfortunately, I am unable to
22 attend the public hearing regarding the Draft
23 Environmental Impact Statement. Please allow
24

Cape Wind Energy Project - March 13, 2008

1 this letter to serve as my public comments
2 regarding this matter.

3 "Politicians often skirt
4 controversial issues to avoid conflict, and I
5 believe that no matter what your stance is on
6 an issue, you must have consistency. It is my
7 belief that the wind farm proposal remains
8 flawed. I have major concerns that the
9 commercial fishing industry in our region will
10 be negatively impacted by the installation of
11 the proposed wind farm. I have met with
12 fishermen, who earn the majority of their
13 income in the area of the proposed site, and
14 they have expressed to me their serious
15 concerns to the impacts this project would
16 have on their livelihood.

17 "In addition, testing this massive
18 project in one of New England's most visited
19 tourist destinations in my mind is not
20 prudent. I believe we should test a project
21 of this scale in another region, and not one
22 reliant on a seasonal tourism base, such as we
23 have here on the Cape. It is projected that a
24

Cape Wind Energy Project - March 13, 2008

1 decline in tourism would lead to a loss of up
2 to 2,500 jobs, according to the Beacon Hill
3 Institute. This is simply unacceptable.

4 "Thank you for hearing my concerns,
5 Jeffrey Davis Perry."

6 MR. MOORE: Thank you very much.
7 William Marasco?

8 AUDIENCE MEMBER: This is a
9 statement from William Marasco, Town of
10 Yarmouth selectman. "I am in opposition to
11 the findings of the MMS report. The report
12 minimizes environmental, economic, and
13 conservation impacts. It is only by a
14 loophole in Federal and state laws that
15 Nantucket Sound is even considered for
16 industrialization. Nantucket Sound ought to
17 be a conservation trust, much like Cape Cod
18 Bay, the National Seashore, or our national
19 parks. This project does not stand
20 economically on the energy it produces. It is
21 only through a windfall in tax credits that
22 this project is economically feasible. If our
23 state dollars are going to subsidize this
24

Cape Wind Energy Project - March 13, 2008

1 project, then it needs to be in the best place
 2 for its citizens, not for its developer or
 3 corporate sponsors. It is clear that we need
 4 alternative, clean energies, but that does not
 5 trump the need for preservation of Nantucket
 6 Sound. We do not, however, have to choose
 7 between the two. It is clear that Nantucket
 8 Sound is not the best place for this project,
 9 and, as technologies develop, alternative
 10 sites on land or offshore are more feasible
 11 and economically friendly, and these other
 12 sites would be embraced by our local
 13 community. If a better site were found,
 14 rather than defending this ill-conceived site,
 15 we would all be working together, rather than
 16 apart. It is time that we not allow the
 17 special interests of a developer and greed of
 18 a few to trump the interests of our citizens.
 19 The impacts of this project would be to
 20 destroy a nature sanctuary, a critical marine
 21 habitat, and an area of particular
 22 environmental concern that has been preserved
 23 for centuries. It would forever change the

Cape Wind Energy Project - March 13, 2008

1 character of Cape Cod, and just as any
 2 industrial, chemical, or power plant would
 3 cause irreversible harm to our community, so
 4 would this industrial power plant. Just
 5 because it doesn't burn oil or nuclear fuel
 6 doesn't mean that it isn't an industrial power
 7 plant, with massive platforms, high-energy
 8 cables, and powerful electrical turbines.
 9 There are better alternatives to this site,
 10 and I would urge the MMS to review the new
 11 information submitted and find a better site
 12 for this project and preserve Nantucket Sound,
 13 just as it would preserve any national park or
 14 nature sanctuary. Thank you."

15 MR. MOORE: Charles Gifford. And
 16 also I wanted to make sure that Chuck Green is
 17 here. Already spoke.

18 MR. GIFFORD: Good evening. My
 19 name is Captain Charles Gifford. I'm the port
 20 captain for the Woods Hole and Martha's
 21 Vineyard and Nantucket Steamship Authority.
 22 Thank you for the opportunity to speak this
 23 evening on this most important issue.

Cape Wind Energy Project - March 13, 2008

1 I am not only a port captain of the
 2 Steamship Authority; I am a U.S. Coast Guard
 3 licensed ocean's master. The Steamship
 4 Authority annually completes over 22,000
 5 trips, transporting close to 3 million
 6 passengers and over 600,000 cars and trucks to
 7 the islands of Martha's Vineyard and
 8 Nantucket. The placement of 130 wind towers in
 9 close proximity to the main ship channel and
 10 adjacent channels used by thousands of vessels
 11 of varying sizes during constantly changing
 12 weather and sea conditions is of great concern
 13 for the Steamship Authority. It has a
 14 potential for creating a significant hazard to
 15 safe navigation for our vessels and other
 16 users of the waterways.

17 Section 4.4.3.1 of the DEIS, citing
 18 the U.S. Coast Guard's Williams study, clearly
 19 states the characterization of Nantucket Sound
 20 as navigationally and environmentally
 21 critical. From the mariner's point, I offer
 22 the following: Under certain wind and sea
 23 conditions, captains must use tacking

Cape Wind Energy Project - March 13, 2008

1 maneuvers for the safe transit of our
 2 passengers and vehicles. If the proposed wind
 3 farm becomes a reality, our vessels will be
 4 denied the option of using this tacking leg as
 5 well as other vessels, which may be the safer
 6 course. Eliminating or limiting the ability
 7 of our vessels to tack will result in more
 8 frequent cancellations of the service of our
 9 vessels, passengers, and freight. A shift in
 10 the base courses will also increase traffic
 11 dramatically and create more of a chill point
 12 near the Bishop and Clerks, as well as toward
 13 Broken Brown. Additional transit time equates
 14 to an increased operating day, which will
 15 reduce the number of trips that can be
 16 completed daily due to the Coast Guard work
 17 hour limitations. We've estimated an
 18 additional 300,000 gallons of diesel oil would
 19 be consumed annually by shifting the Hyannis
 20 to Nantucket ferry route further to the east.
 21 Ultimately the costs will be passed on to our
 22 customers, many of whom rely on the steamship
 23 as their lifelines to the islands.

Cape Wind Energy Project - March 13, 2008

1 A 2004 study on the UK for
2 Maritimes and Coast Guard concluded that the
3 interference on marine radars due to wind
4 turbines was found to be considerable and
5 suitable safe distance be established from
6 traffic routes. In addition, the wind-tower
7 generators will hamper our ability to
8 correctly identify and correct targets. From
9 a public safety aspect, it will be imprudent
10 for our vessels as well as others to operate
11 blindly in these areas.

12 The winter of 2004 in the
13 environmental conditions Congress was brought
14 to a standstill because of the ice. This is
15 not an option. We are mandated by legislation
16 to provide services, goods and services to the
17 islands of Martha's Vineyard and Nantucket.

18 In conclusion, the Steamship
19 Authority urges Minerals Management Service in
20 conjunction with the U.S. Coast Guard to take
21 into serious consideration the foreseeable
22 navigational impacts brought to bear prior to
23 your final decision and action, keeping in
24

Cape Wind Energy Project - March 13, 2008

1 mind our U.S. Coast Guard licensed mariners
2 (inaudible) -- thank you.

3 MR. MOORE: You need to finish up.
4 Margaret Serpa will be next, and
5 while she's coming to the microphone, if we
6 could have -- people signed in in very
7 different orders here. I want to make sure
8 that Warren is here, and Ann Canedy.

9 And John Griffin: Thank you, John.
10 And No. 13 -- the numbers don't all go
11 together. Tom Osmer and Al Peterson.

12 MS. TACKER: Good evening. My name
13 is Lisa Tacker, and I'm here speaking on
14 behalf of Margaret Serpa.

15 "Good evening. My name is Margaret
16 Serpa. I'm representing the selectmen of
17 Edgartown. It is time to turn this discussion
18 away from a referendum on wind-generated
19 electrical power. No one is opposed to
20 renewable energy sources.

21 "We would not erect a tower
22 hundreds of feet tall in the middle of
23 Edgartown, not because we are opposed to wind
24

Cape Wind Energy Project - March 13, 2008

1 generation, but because there are any number
2 of better places to use without destroying the
3 beauty of our town.

4 "Edgartown is presently working on
5 a project to vary the electric lines in town,
6 to enhance the beauty of our downtown.
7 Compromising the natural beauty that is
8 enjoyed regionally by siting wind turbines at
9 Horseshoe Shoals is a senseless act of
10 destruction that is unnecessary. The Town of
11 Edgartown is presently working on several
12 renewable energy projects that we feel are
13 more environmentally sensitive and in fact
14 will have greater expandability and be of more
15 use to our town and the many towns that
16 comprise our region. We are working with
17 Federal, State, and local agencies, as well as
18 the University of Massachusetts and our
19 neighboring Island of Nantucket, to site a
20 demonstration tidal energy project in
21 Muskeget Channel, as well as looking towards
22 siting wind turbines in an area between
23 Nantucket and Martha's Vineyard that would be
24

Cape Wind Energy Project - March 13, 2008

1 able to harness much more wind energy than the
2 Horseshoe Shoals project, with none of the
3 negative environmental issues that are
4 plaguing Cape Wind. It is our belief that
5 with responsible ocean zoning, that is
6 presently being pursued by Congressman
7 Delahunt, Edgartown, the Islands of Martha's
8 Vineyard and Nantucket, as well as Cape Cod
9 will be able to one day generate enough
10 electricity to power our region and beyond and
11 put to rest the contentious issues that are
12 derailing our common goals for reducing our
13 use of oil and moving toward a more
14 environmentally responsible way of living.
15 Please don't sacrifice our environment when
16 there are much better alternatives on the
17 table. The Cape Wind project cannot claim the
18 mantle of green when they so clearly are
19 sacrificing one leg of the stool of
20 environmental responsibility. No one who's
21 truly concerned with the betterment of our
22 environment would propose such an
23 environmentally flawed project. And certainly
24

Cape Wind Energy Project - March 13, 2008

1 those who are entrusted with the protection of
 2 our environment should not be sacrificing any
 3 of it when we have great alternatives already
 4 at hand." Thank you.
 5
 6 MR. MOORE: Thanks very much.
 7 MR. OSMERS: Thank you. I'm here.
 8 My name is Toms Osmers. I'm here to read a
 9 letter from the selectmen of the Town of
 10 Chilmark on the island of Martha's Vineyard.
 11 "The Draft Environmental Impact
 12 Statement that you have issued does not
 13 accurately describe the impact that the Cape
 14 Wind project will have on commercial fishing
 15 in the waters around Martha's Vineyard. The
 16 impact will be significant, and it will be
 17 negative. The fisheries resource on Horseshoe
 18 Shoal will be disrupted and injured by this
 19 strip development. The Town of Chilmark has
 20 made a huge commitment to the preservation of
 21 our small-boat, locally owned, sustainable
 22 commercial fishery. We have learned that, to
 23 preserve our fishing fleet, the first thing
 24 that we have to do is to preserve our natural

Cape Wind Energy Project - March 13, 2008

1 resources. At the very base of our fishery
 2 resource is the benthic environment of our
 3 coastal ponds and the environment of Nantucket
 4 and Vineyard Sound. The most important
 5 section of that benthic environment is the few
 6 inches of sediment at the point where the
 7 water meets the bottom. This is where the
 8 eelgrass, aquatic plants, plankton, zoo
 9 plankton, sea worms, shellfish, crabs, et
 10 cetera, all grow and form the base of our food
 11 chain.
 12
 13 "It is the bottom of the sound that
 14 is the building block of the food chain that
 15 forms our natural resource. Digging this
 16 bottom to lay miles and miles of cable will
 17 kill millions of small aquatic creatures. The
 18 sediment will be dispersed into the tide and
 19 drift and alter the benthic environment.
 20 Digging to plant 130 huge machines will be
 21 extraordinarily disruptive. All this
 22 industrial activity will negate the
 23 painstaking steps that we have been taking on
 24 Martha's Vineyard to preserve and restore our

Cape Wind Energy Project - March 13, 2008

1 fisheries resource. Thank you.
 2
 3 MR. MOORE: Thank you very much.
 4 Ann Canedy?
 5 MS. CANEDY: Hello. My name is
 6 Sarah Fantom, and I'm speaking on behalf of
 7 Ann Canedy, Barnstable town councilor.
 8 "I am a Barnstable town councilor.
 9 I am writing as an individual counselor and do
 10 not purport to represent the Barnstable Town
 11 Council in my remarks. However, the council
 12 has unanimously opposed this project.
 13 "I am deeply concerned that as an
 14 elected official, representing a constituency
 15 directly impacted by this project, our local
 16 government has not been given a seat at the
 17 table in the consideration of this project.
 18 "I represent the north side of
 19 Barnstable. Viewshed and NIMBYism is not the
 20 issue.
 21 "Lack of understanding of the need
 22 for alternative energy is not the issue.
 23 Barnstable has recently passed a land-based
 24 wind-turbine zoning ordinance, which regulates

Cape Wind Energy Project - March 13, 2008

1 the placement, aesthetics, efficiency,
 2 economic viability of land-based turbines.
 3
 4 "Our municipal services will be
 5 greatly impacted by this project, without
 6 funding to pay for it.
 7 "Our tourism industry, our
 8 lifeblood, will be greatly impacted by this
 9 project.
 10 "Sea and air navigation channels
 11 will be impacted.
 12 "Lack of watershed zoning is
 13 problematic because Cape Wind is only one of
 14 several proposed projects for this area.
 15 Zoning should involve all abutters to the
 16 proposed project and the local government.
 17 "Lack of zoning and mapping before
 18 projects are proposed threaten other coastline
 19 communities of the Commonwealth.
 20 "Massachusetts is a public-doctrine
 21 state. From Colonial times to the present,
 22 Massachusetts law has mandated that the water
 23 belongs to the people of the Commonwealth, not
 24 to a private corporation. The fact that Cape

Cape Wind Energy Project - March 13, 2008

1 Wind has strategically placed the proposed
2 project just outside the Commonwealth
3 jurisdiction should not give license for a
4 taking of a public resource by a private
5 corporation for profit without compensation
6 and unrefuted and documented proof of a direct
7 public benefit.

8 "Respectfully submitted, Ann B.
9 Canedy."

10 MR. MOORE: Thank you. So our
11 sequence will be John Griffin next, and then
12 Al Peterson after him. And if Thomas Osmers
13 would come up, Henrietta Davis, and Alfred
14 Peterson, please.

15 MR. CARROLL: Thank you. My name
16 is Cliff Carroll, and I will be speaking for
17 John T. Griffin, who's a private pilot, former
18 island ferry captain, with 50 years of
19 experience on and over the sound, but most
20 importantly, the vice-chairman of the
21 Barnstable Airport Commission, which has
22 consistently and vehemently opposed this
23 project.
24

Cape Wind Energy Project - March 13, 2008

1 sound. Why would anybody want to introduce a
2 risk that doesn't now exist?

3 "The Minerals Management Service
4 must closely examine the concerns of the FAA
5 and regional officials and change its current
6 assessment of the Cape Wind risk to its
7 aviation determination in its final
8 environmental report to extremely dangerous.
9 The FAA is undertaking additional studies on
10 the issue.

11 "Nantucket Sound has some of the
12 busiest low-level air routes on the entire
13 East Coast. The British Ministry of Defence
14 has conducted extensive real-time studies that
15 showed significant degradation of air traffic
16 control, air defense, and shipboard surface
17 radars. Problems include lost, displaced or
18 multiple ghost targets. These may occur with
19 the aircraft in surprisingly high altitudes.
20 The potential impact on air safety is obvious.
21 The Cape approach is located at Otis
22 International Base.
23

24 "The Barnstable Airport Commission

Cape Wind Energy Project - March 13, 2008

1 "The Federal Minerals Management
2 Service's recent claims of negligible aviation
3 effects from the Cape Wind project does not
4 square with the Federal Aviation
5 Administration's concern that the project is
6 still under a presumed hazard. This is
7 raising new concerns that the planned turbines
8 could adversely affect visual flight rules,
9 IFR flight rules across the Nantucket Sound.
10 It is clear that the Federal draft report
11 ignored the concerns of the pilots, the
12 airline operators, and the Cape and Islands
13 airport managers that the Cape Wind turbines
14 will create a hazard to flights between the
15 Cape and islands.

16 "There are over 400,000 flights a
17 year, both commercial and noncommercial, over
18 the sound every year. Part of our job is to
19 help insure the safety of all who fly to and
20 from our airports. The wellbeing of the air
21 crews and passengers will be compromised if
22 130 towering wind turbines with blades
23 reaching 44 stories high are built in the
24

Cape Wind Energy Project - March 13, 2008

1 recognizes the potential benefit of
2 alternative energy sources when properly
3 located, but we strongly believe that
4 Nantucket Sound is the worst possible location
5 for this 25-square-mile, 44-story project."
6 Thank you.

7 MR. MOORE: Al Peterson, from the
8 Nantucket Airport.

9 MR. BUSSIÈRE: Thank you. My name
10 is Rob Bussiere. I'm representing Nantucket
11 Memorial Airport, and I'll read a statement
12 from Al Peterson, airport manager.

13 "I would like to formally express
14 my statement of opposition to the location of
15 Cape Wind's project in writing for the record.
16 My comments relate to two issues: air safety
17 and radar interference. I am familiar with
18 the studies performed by the British Ministry
19 of Defence and the issues that are being found
20 by them based on the turbine blades
21 interfering with radar reception. This data
22 is disturbing for detecting low-level flights
23 behind the wind farm.
24

Cape Wind Energy Project - March 13, 2008

1 "I am also a Coast Guard auxiliary
2 pilot who flies over the represented area by
3 Cape Wind as the location in which 440-foot
4 towers are to be located. It is inconceivable
5 to me that the Coast Guard found the towers to
6 be of little consequence when in effect they
7 create a 500-foot obstruction and will make it
8 extremely difficult to carry on
9 search-and-rescue missions within the zone in
10 poor visibility.

11 "The acting director of the FAA,
12 Robert Sturgell, has written to Congressman
13 William Delahunt, reiterating the fact that
14 the FAA has issued the presumed-hazard
15 determination for the Cape Wind project. They
16 also commissioned a study by the Institute for
17 Telecommunication Sciences to further define
18 the radar impact. This is a legitimate safety
19 concern. I'm enclosing a chart from our radar
20 tracking system, showing you air traffic for
21 given periods, showing IFR weather tracks for
22 aircraft in the Nantucket area. Radar
23 monitoring the aviation activity over this

Cape Wind Energy Project - March 13, 2008

1 location during low visibility is critical.

2 "I found it interesting that your
3 'fact sheet' omits any reference to the height
4 of the proposed towers. Is not that a fact?

5 "Very truly yours, Alfred G.
6 Peterson."

7 MR. MOORE: I would like to have
8 Neal Costello come up, please, Henrietta
9 Davis, and Alfred Peterson. Mr. Costello,
10 you're the first speaker.

11 MR. COSTELLO: My name is Neal
12 Costello, and I have a letter here from some
13 real elected public officials.

14 MR. MOORE: Would you please keep
15 our microphone on. Thank you.

16 MR. COSTELLO: I have a letter here
17 from six chairmen of Massachusetts legislative
18 committees that have to deal with energy and
19 the environment. With your permission, I'd
20 like to read -- this is from six chairmen who
21 deal with energy and the environment.

22 "Dear sirs: We are writing to
23 express our strong and continued support for
24

Cape Wind Energy Project - March 13, 2008

1 the Cape Wind project" --

2 MR. MOORE: Folks, remember, you're
3 cutting into your colleague's time.

4 MR. COSTELLO: -- "and to commend
5 the work done in compiling the comprehensive
6 DEIS. As you may know, the Massachusetts
7 legislature undertook the restructuring of our
8 electric industry in 1997 in a manner that
9 instituted one of the first state renewable
10 energy-portfolio standards. Cape Wind is
11 exactly the type of entrepreneurial proposal
12 that we sought to incentivize through such
13 actions, and we urge its approval in an
14 expedited fashion.

15 "As the DEIS points out, the
16 project would be a major step towards
17 offsetting greenhouse gas emissions, and would
18 also lead to cleaner air in the region by
19 offsetting significant volumes of fossil-fuel
20 generation. Importantly, it would open a new
21 American industry center that could make a
22 major contribution to our national energy
23 independence, by reducing foreign imports of
24

Cape Wind Energy Project - March 13, 2008

1 fuel for generation. We also note that the
2 project would provide Massachusetts citizens
3 with job opportunities and help catalyze
4 expansion to our green-technology sector.

5 "We therefore request that you
6 expeditiously complete the review and approval
7 of this project, and that the final EIS
8 reflect the strong support of the Commonwealth
9 of Massachusetts for Cape Wind. After seven
10 years of regulatory review, it is time for
11 this important project to go forward."

12 And I'd like to read, if I may, the
13 signatories, the Massachusetts legislators who
14 signed onto this letter. Included in it are
15 the two drafters of the Restructuring Act and
16 the two chairmen of the current energy
17 committee in Massachusetts. That's an elected
18 official. Frank Smizik, House Chair, Joint
19 Committee on the Environment, National
20 Resources and Agriculture; Dan Bosley, House
21 Chairman, Joint Committee on Economic
22 Development and Emerging Technologies. I have
23 four more, if I may.
24

Cape Wind Energy Project - March 13, 2008

1 MR. MOORE: I was also homeroom
2 captain in my high school. Does that qualify
3 me?

4 Please name the four.

5 MR. COSTELLO: Brian Dempsey,
6 Chairman, Committee on Telecommunications,
7 Utilities and Energy.

8 MR. MOORE: Folks, hold on. Read
9 the names and let's finish, please.

10 MR. COSTELLO: Representative John
11 Binienda, Chairman, Committee on Revenue;
12 Senator Mike Morrissey, Chairman, Committee on
13 Telecommunications, Utilities, and Energy; and
14 Senator James Marzilli, Chairman, Committee on
15 Tourism, Arts, and Culture and Development.
16 Thank you.

17 MR. MOORE: Thank you very much.
18 Remember, it may be your neighbor who can't
19 speak because of your applause.

20 Let's move on to Henrietta Davis.

21 MS. DAVIS: Thank you. I am
22 Henrietta Davis. I am a city councilor. I
23 have been elected. And I'm pleased to be able
24

Cape Wind Energy Project - March 13, 2008

1 to speak to you this evening.

2 I'm here to speak in support of
3 Cape Wind. I'm a city councilor in Cambridge,
4 Massachusetts. My constituents have asked me
5 to come because they are frustrated with the
6 lack of renewable energy that they're unable
7 to buy in this state. I'm also here because
8 of the urgency to address local climate
9 change, the biggest industrial disaster that
10 we're likely to face in the next century.

11 We have only until 2050 to
12 stabilize greenhouse gas emissions. If we
13 don't succeed, coastal communities such as
14 those on Cape Cod and, yes, even in Cambridge,
15 are in serious jeopardy of sea-level rise. We
16 need to use everything in our arsenal to
17 address this potential suffering.

18 We need energy efficiency. We need
19 solar, photovoltaics. We need solar thermal;
20 and yes, we need wind. Every single one of
21 the things that we need is going to have a
22 downside, but we need to use them all.

23 The MMS's EIS drafts suggest modest
24

Cape Wind Energy Project - March 13, 2008

1 mitigations are necessary for Cape Wind to
2 address protection of natural resources. I
3 urge you to allow them to get going on those
4 mitigations and to allow us, citizens of the
5 Commonwealth of Massachusetts, to begin to
6 address global warming, through some real
7 renewable energy. Thank you very much.

8 MR. MOORE: Thank you very much.
9 Our last elected official is Tom Osmer, Town
10 of West Tisbury.

11 MR. OSMERS: Thank you. My name is
12 Tom Osmer. I represent the fishing community
13 on the island of Martha's Vineyard. I want to
14 thank the Minerals Management Service for this
15 opportunity to add to the testimony of record
16 on the Cape Wind project.

17 I am from the Town of West Tisbury,
18 where I serve in the official capacity as the
19 shellfish constable and also am the hearing
20 warden, and thus am the keeper and protector
21 of the anadromous fishes of the Commonwealth.
22 I'm a member of the board of directors of the
23 Martha's Vineyard Shellfish Group, which is a
24

Cape Wind Energy Project - March 13, 2008

1 community-supported organization that
2 maintains shellfish fisheries and operates
3 several hatcheries that sustain our fisheries
4 for the native blue-eyed scallop, the
5 hardshell and softshell clams, as well as the
6 eastern oyster. I'm also a representative of
7 the six Towns and representative of the tribe
8 of the Aquinnah Wampanoag to the New England
9 Fisheries Management Council, as well as the
10 author of the Sustainable Fisheries Initiative
11 and manager of the joint Vineyard and tribal
12 sector for the New England ground fishery
13 under the Magnuson-Stevens Act.

14 I fully support alternative and
15 renewable energy generation but cannot endorse
16 this project at this location for the
17 following reasons: Horseshoe Shoal is unique
18 from an ecosystem that supports a full
19 spectrum of benthic marine finfish and
20 invertebrates of economic importance. These
21 fishes and shellfish include, but are not
22 limited to, squid, scup, the bluefish, the
23 striped bass, the summer flounder, the black
24

Cape Wind Energy Project - March 13, 2008

1 sea bass, winter flounder, both blueback and
2 and alewife herring, as well as the Atlantic
3 (inaudible).

4 The shellfish of economic
5 importance are the sea clams, the Cohaug, the
6 razor clams, both the smooth and channel and
7 knobby (inaudible), Horseshoe Shoal is the
8 area from which over 50 percent of the fishery
9 landings from Martha's Vineyard are derived.
10 In addition, Horseshoe Shoal is a major
11 spawning and settlement site for the young of
12 many of these species, which serve to maintain
13 fish populations in the States as far south as
14 North Carolina. These fishes all travel
15 hundreds of miles each year to spawn in the
16 waters of Nantucket Sound. The installation
17 of these interconnecting cables will damage
18 the microhabitats needed by these fish and
19 shellfish and upset the conch migratory and
20 hibernatory behaviors, which will imperil our
21 sustainable fisheries that have endured since
22 Colonial times.

23 Our community strongly urges the
24

Cape Wind Energy Project - March 13, 2008

1 no-action alternative listed in the Draft
2 Environmental Impact Statement, urges that
3 this project be moved to a land-based locale,
4 such as the Mass. Military Reservation, which
5 in the past has caused so many negative
6 environmental impacts.

7 We strongly urge Jim Gordon and the
8 Marine Management Authority both to appreciate
9 the gravity of the threat of this taking of
10 our ancestral fishing grounds. Thank you very
11 much. Feel free to contact us to discuss
12 these issues. Thank you. Please, do not
13 continue to endanger our long history of our
14 jobs and our future.

15 MR. MOORE: Thank you, Tom. I
16 think Tom is the last elected official, not
17 appointed official. Is that right? Is there
18 anyone else who is an elected official?

19 If not, then what we would like to
20 do is to begin to have citizens provide their
21 statements. And so if we could have 1 to 6
22 come up to these chairs, and we will begin
23 having people speak.
24

Cape Wind Energy Project - March 13, 2008

1 So citizen No. 1.

2 MS. MACINTOSH: Good evening. I am
3 Laurie Macintosh, founder and chair of
4 Sustainable Milton, in Milton, Mass. and I
5 support Cape Wind.

6 First let's discuss the positive
7 environmental impact of Cape Wind. To begin
8 with, there will be a positive economic
9 environmental impact. The IBEW forecasts the
10 creation of over 1,000 jobs with construction
11 of the 130-turbine Cape Wind project.

12 Second, the positive tourism
13 impact: The Danes, who have operated offshore
14 wind farms for over four years, report an
15 increase in ecotourism. People come just to
16 see the turbines, and they spend their money
17 while they're there.

18 Third, the positive marine
19 environmental impact: As the underwater
20 turbine piles are installed, barnacles and
21 other mollusks also attach to them. This
22 increased food supply will attract more fish
23 to the area, which will result in a larger,
24

Cape Wind Energy Project - March 13, 2008

1 more diverse marine ecosystem than currently
2 exists.

3 And finally, clean power
4 generation: Crude hit new record highs
5 yesterday, at 110 a barrel. Our oil war in
6 Iraq is costing this country billions of
7 dollars. Pollution is threatening our land
8 and seas. We cannot turn away from this
9 opportunity to provide three quarters of Cape
10 Cod with clean, renewable energy from an
11 inexhaustible source.

12 The Cape Wind project will provide
13 new skilled jobs, more tourists, greater
14 marine life diversity, and clean, renewable
15 energy to reduce our country's dependence on
16 oil and battle global warming. We cannot not
17 do this. Thank you.

18 MR. MOORE: Thanks very much.
19 No. 2 and No. 7, 8, 9, if you would come up,
20 please.
21

22 MR. MORIARTY: Good evening,
23 everyone. My name is David Moriarty. I'm a
24 lifelong resident of Cape Cod. It is in my

Cape Wind Energy Project - March 13, 2008

1 humble opinion that I state my adamant
 2 opposition to this irreversible historical,
 3 cultural, and economic damage we would cause
 4 to all our friends and family that depend on
 5 this vital and irreplaceable ecosystem.
 6 Visitors have been coming to the Cape and
 7 Islands from all over the world year after
 8 year, not to see wind turbines, but to see the
 9 beautiful, pristine, unique natural treasure
 10 we call home. I consider the sound to be the
 11 national bank of the Cape and Islands, secured
 12 and protected by the citizens, for the
 13 citizens. The sound, the pearl of the Eastern
 14 Seaboard, life-sustaining, perfection in
 15 motion, home of the Nantucket sleigh ride,
 16 lamp of the Wampanoags, providing and
 17 sustaining life for Cape and Islanders summer
 18 after summer, year after year, generation
 19 after year, like clockwork. Our economy
 20 depends on it.

21 So let us not forget who we are,
 22 for we are Americans. We can do anything. We
 23 can achieve energy independence if we truly
 24

Cape Wind Energy Project - March 13, 2008

1 set our mind and our resources towards that
 2 goal. Hey, listen, it won't be long before
 3 big oil is extracted from the white House and
 4 we can vigorously restart and resume our
 5 energy program.

6 So let us not be so shortsighted on
 7 this vital issue. We can save our sound
 8 economy now and simultaneously move our
 9 country closer to cleaner energy independence.

10 So, please, I beg of the powers
 11 that be, please hear our plea. Please hear us
 12 now. The risk is much too high. The gain is
 13 much too small. Our way of life depends on
 14 your critical decision. Thank you.

15 MS. NICKERSON: A tough act to
 16 follow. Good evening. Thank you again for
 17 coming this evening to hear our comments.
 18 Good evening. My name is Susan Nickerson, and
 19 I serve as executive director of the Alliance
 20 to Protect Nantucket Sound.

21 The alliance was established in
 22 2001, and our mission is to ensure the
 23 long-term conservation of this remarkable body
 24

Cape Wind Energy Project - March 13, 2008

1 of water. Nantucket Sound belongs to the
 2 people. It is a marine ecosystem of
 3 international significance that possesses
 4 extraordinary economic, ecologic, cultural,
 5 fish and wildlife, historic, scenic, and
 6 recreational values. These values are the
 7 common heritage of the general public and
 8 qualify Nantucket Sound for national marine
 9 sanctuary status.

10 The Commonwealth of Massachusetts
 11 already recognized these values in 1970 and
 12 established the sound as a Massachusetts ocean
 13 sanctuary. This designation brings the sound
 14 within the definition of a marine protected
 15 area under Federal executive order and
 16 entitles it to heightened protection.

17 For too long, ocean resources have
 18 been managed on a piecemeal basis without
 19 plans or laws guided by underlying principles
 20 of ecosystem-based conservation. To proceed
 21 with a project like Cape Wind in the absence
 22 of some level of ocean management,
 23 particularly when a sensitive resource area
 24

Cape Wind Energy Project - March 13, 2008

1 like Nantucket Sound is on the chopping block,
 2 is at a minimum ill-advised and potentially
 3 devastating. Nantucket Sound deserves a
 4 better fate. MMS should halt the review of
 5 Cape Wind under such a limited set of
 6 alternatives as is presented in this DEIS,
 7 consider all the input you've received over
 8 the past three days and tonight, and then
 9 underscore how unworkable the Nantucket Sound
 10 site is for Cape Wind and engage in a
 11 community, consensus-based decision-making
 12 process to find the right home for Cape Wind
 13 outside of Nantucket Sound. Please save our
 14 sound. Thank you.

15 MR. MOORE: Thank you very much.

16 MS. PARKER: My name is Audra
 17 Parker, and I'm a director of the Alliance to
 18 Protect Nantucket Sound. I've attended each
 19 of the four hearings and have been struck by
 20 the magnitude and depth of opposition to this
 21 project. This is not just a NIMBY issue, as
 22 portrayed by the media. This is not the
 23 miracle project that will save us from global
 24

1 Cape Wind Energy Project - March 13, 2008

2 warming and dependence on foreign oil, with
3 few, if any, impacts, as portrayed in the
4 DEIS. This is not a project that enjoys
5 majority support on the Cape and Islands, as
6 some recent flawed polls by vocal Cape Wind
7 supporters have claimed.

8 What this is in reality is the
9 exploitation of a communal resource by a
10 single private developer. It is the symbolic
11 sacrifice of Nantucket Sound so that some can
12 claim victory for the first offshore wind
13 project.

14 We, the residents of the Cape and
15 Islands, have legitimate concerns about
16 building a massive-scale industrial plant in
17 the middle of our fishing grounds and in what
18 is the heart and soul of our local economy.
19 Our opposition is about more than the view.
20 Our commercial fishermen fish these waters and
21 depend on this natural resource for their
22 livelihoods. For our tribal members,
23 Nantucket Sound is a great cultural,
24 religious, and historic value. Our businesses

1 Cape Wind Energy Project - March 13, 2008

2 name's Catherine Nicole Helms, and this is an
3 aerial view of my home.

4 MR. MOORE: Closer, please.

5 MS. NICOL-HELMS: Five generations
6 have lived in this house. I lived far away
7 from there for a while, and every day I just
8 yearned to be back.

9 We've learned from the
10 overdevelopment of the land that once it is
11 gone, it is gone forever. All of that land is
12 now developed. The Cape now has strong
13 developmental regulations, and we have a land
14 conservation trust that stepped in to save
15 some of the natural habitat for posterity.

16 The Cape doesn't have the
17 oceanfront high-rises that Florida has.
18 People come here because of old Cape Cod. The
19 view of the ocean is an integral part of what
20 is and what is not allowed to be developed on
21 our coastline. That fact needs to be
22 addressed in the environmental impact
23 statement. In the DEIS it states that
24 opinions vary as to whether the facilities

1 Cape Wind Energy Project - March 13, 2008

2 depend heavily on the tourists that come to
3 the Cape and Islands for this special body of
4 water that will be irreparably damaged if the
5 project were built. Our airports have safety
6 concerns over erecting 130 structures in
7 Nantucket Sound and over radar interference.
8 Our ferry lines call this project an accident
9 waiting to happen.

10 If all of these concerns don't give
11 you pause for thought, consider that you too
12 here in Boston pay dearly for this project.
13 The DEIS shows the cost of generating this
14 power is undeniably high.

15 I ask you here in Boston and the
16 surrounding communities to join with us on the
17 Cape and Islands and stop this costly and
18 irresponsibly sited project from hurting our
19 fishermen, our tribes, and our wallets. Thank
20 you.

21 MR. MOORE: Thank you very much.
22 We have a State Representative. One more?
23 Okay. Next speaker, No. 5. No. 6?

24 MS. NICOL-HELMS: Good evening. My

1 Cape Wind Energy Project - March 13, 2008

2 would have a negative or positive effect on
3 the visual aesthetics. My interpretation of
4 the MMS statements, regarding aesthetics they
5 are reliant on subjective data, when in fact
6 there is objective data out there that needs
7 to be included.

8 Deepwater technology now exists,
9 where it didn't exist seven years ago.
10 There's several major differences that make
11 deepwater wind more appealing. They're
12 floating wind turbines. They're built on land
13 and towed out to sea, and if a conflict arises
14 once they're in place -- for example found to
15 be in the pathway of migrating birds -- they
16 can be moved. The engine generated in
17 deepwater is generally more consistent, less
18 turbulent, much higher, stronger, and more
19 reliable.

20 MR. MOORE: Our time. Hold on,
21 folks.

22 MS. NICOL-HELM: The deepwater has
23 room to row and would satisfy our need to...

24 MR. MOORE: You need to finish.

Cape Wind Energy Project - March 13, 2008

MS. NICOL-HELM: Thank you very much.

MR. MOORE: We have Steven D'Amico, the State Representative.

REPRESENTATIVE D'AMICO: My name is Steve D'Amico, I'm a state rep from Fourth Bristol County, which is on the south coast.

Cape Wind is an important project.

It's important for Massachusetts, and it's important for the country. Its importance isn't just the clean energy that we're going to generate. It's not just its contribution to an emerging green sector of our economy, which is very important. It's important because this is a bold project, that's going to inspire not just Massachusetts but the entire country to think boldly about meeting our energy needs with green technology.

This is a project that's going to capture the country's and the world's imagination, and I think we'll see that its value goes far beyond the energy that this one project generates.

Cape Wind Energy Project - March 13, 2008

hearings, and until tonight have not spoken but, rather, intently listened to the heartfelt and passionate comments from both the supporters and the opponents of this project.

The common denominator I increasingly hear is that most everyone supports the rapid adoption of more renewable energy. I believe that this is driven by the understanding that our dependence on imported energy and the impacts of climate change pose a threat to our health, environment, and economy.

We are gathered here tonight, as you weigh the merits of America's first offshore wind farm and the hopes and aspirations of citizens desiring a transition to a more sustainable future. I know that by itself Cape Wind will not achieve this goal, but it is an important start. And what better place to begin than in Federal waters, owned by all the citizens of the United States, off the coast of Massachusetts. Thank you very

Cape Wind Energy Project - March 13, 2008

So I'm strongly in favor of it, and I think we need to see it sooner rather than later. Thank you.

MR. MOORE: Thank you very much. No. 7.

MR. GORDON: My name is Jim Gordon, and I'm president of Energy Management, Incorporated, the company developing the Cape Wind project.

First I would like to thank MMS and the Army Corps of Engineers and the other 16 Federal and state agencies involved in the Cape Wind review. Over the last seven years you have afforded citizens significant opportunity to weigh in, either through hearings like this or written comment. You have generated and compiled thousands of pages of scientific, environmental, and socioeconomic information on the benefits and impacts of this renewable energy project.

Over the past seven years I have read thousands of written comments on this project, I have attended all of these public

Cape Wind Energy Project - March 13, 2008

much.

MR. MOORE: No. 8? And could we have 10, 11, 12, and 13.

MS. HILL: It's a privilege to follow Jim Gordon and his remarks. Good evening. My name is Barbara Hill. I'm the executive director of Clean Power Now, a nonprofit, grassroots organization with over 10,000 members based in Hyannis, Massachusetts. Our mission is to inform, educate, and empower local citizens to support viable renewable energy projects and policies.

Upon review, we have concluded the Draft Environmental Impact Statement issued by MMS on the Cape Wind project is fact-based, comprehensive, scientifically vetted, and peer-reviewed. The environmental standards of review based in the framework of the National Environmental Policy Act have been met. The Cape Wind project is a monumental opportunity to reduce our carbon footprint and will serve to jumpstart the clean-energy economy in our Commonwealth and in our region.

Cape Wind Energy Project - March 13, 2008

1 We are proud of the leadership of
2 our Governor, Deval Patrick, who, after
3 careful and deliberate consideration, endorsed
4 the project, and Secretary of Energy and
5 Environmental Affairs, Ian Bowles, in issuing
6 a certificate of adequacy on the Cape Wind
7 final environmental impact report.

8 Joining our Governor is 86 percent
9 of the citizens of the Commonwealth. Three
10 public-opinion surveys conducted between May
11 of 2006 and February of 2008 show increased
12 support, clearly demonstrating that when
13 people have the facts, they understand the
14 significant public-interest benefits of this
15 project.

16 Future generations will view us as
17 either heroes or fools. We must not miss the
18 opportunity to secure our country's energy
19 independence and take action against the
20 catastrophic forces of global warming. Thank
21 you.

22 MR. MOORE: Thank you very much.
23 No. 9, please.

Cape Wind Energy Project - March 13, 2008

1 MR. CARROLL: My name is Cliff
2 Carroll. I'm one of the proud founders of
3 Windstart. I would like to thank MMS for
4 taking the last three days to meet with the
5 people of Cape Cod, Martha's Vineyard, and
6 Nantucket. As you now clearly know, there is
7 no question that a solid majority of the
8 residents, selectmen, chambers of commerce,
9 fishermen, and Indian tribes of the Cape and
10 Islands are completely against this 43-story,
11 25-square-mile industrial park with a
12 10-story, 40,000-gallon oil transformer in the
13 middle of it. This project is the size of the
14 island of Manhattan, New York. It would be
15 situated in between three of the busiest
16 airports in Massachusetts. It is dead center
17 for some of the richest fishing grounds on the
18 East Coast. It is the beach that is probably
19 in every family photo album in this room.

20 So why are Cape Codders against
21 this project? Nantucket Sound, our beaches
22 are the economic engine and the heart and soul
23 of our Cape and Islands; it is your vacation

Cape Wind Energy Project - March 13, 2008

1 spot. Because Horseshoe Shoals is some of the
2 richest fishing grounds in the world and the
3 project will close out ten times as many
4 fishermen as the project's 40 jobs will
5 create. The massive radar interference that
6 these will cause will hinder the 400,000
7 flights a year, the 3 million passengers on
8 the ferry trips that travel these waters, the
9 FAA has issued a presumed hazard. The
10 developer's own oil spill report states that
11 if the transformer ruptures, there's a greater
12 than 90 percent chance that that oil will hit
13 our beaches in less than 4.8 hours.

14 In closing, we are against this
15 project because there is nothing clean about
16 40 thousand gallons of oil on our beaches,
17 there is nothing free about \$80 million in tax
18 subsidies and tax credits, and because there
19 is no other place as rich, beautiful,
20 bountiful, and as sacred as Nantucket Sound.
21 And I'd most like to thank the gentleman in
22 the suit who spoke earlier for making it
23 perfectly clear that him and his Boston

Cape Wind Energy Project - March 13, 2008

1 politicians have absolutely no use for the
2 people of Cape and the Islands. Thank you.
3 MR. MOORE: Thank you very much.
4 No. 10? No. 11? And could 12, 13, 14, and 15
5 please come up so that you can be in the seats
6 here.

7 MS. SANFILIPPO: Good evening, and
8 thank you for giving us this opportunity to
9 speak here tonight. My name is Angela
10 Sanfilippo, and I represent the Massachusetts
11 Fishermen's Partnership. It's an umbrella
12 organization that came about in 1995 that
13 represents 19 Massachusetts commercial fishing
14 organizations. We are an umbrella
15 organization.

16 This organization has not supported
17 this project from the beginning, and we
18 continue not to support this project. But we
19 also want you to know that we have nothing
20 against renewable energy, green energy,
21 whatever the name is. We, as fishing people,
22 have a great responsibility to the people of
23 the United States. We have to provide food.

Cape Wind Energy Project - March 13, 2008

1 Many of the organizations in this
2 organization, they've been in existence at
3 least 40 years, some of them, and they feel
4 that the 200-mile limit, they've established
5 the sanctuary, they stopped oil drilling on
6 Georges Bank, they stopped sandy drilling in
7 our ocean, because our oceans are a renewable
8 resource that will provide food for the people
9 of the United States for years and years and
10 years to come.

11 This project will go against that.

12 This project is being proposed on fishing
13 grounds historically and spawning grounds. A
14 few days ago I heard a report on NPR news,
15 what's happening with the price of grain and
16 corn, because we need to make energy, fuel
17 energy out of this project. What are we going
18 to do when we have to depend on foreigners for
19 our food because our fishermen cannot fish in
20 Nantucket Sound? They need to, because the
21 people of the United States need the food, and
22 fish is the last natural protein left in this
23 world.

Cape Wind Energy Project - March 13, 2008

1 fishermen in further jeopardy. And once
2 again, it is a closure.

3 The Barrow wind farm off of Wales
4 is similarly spaced, at one third of a mile,
5 and the fishermen there are suing because of
6 the lack of ability to fish within that wind
7 farm.

8 Secondly I'd like to talk about the
9 economics. This project is stated to last 27
10 months, I believe working at 252 days. I
11 believe that it's going to be at least three
12 years, and I believe that we will be harming
13 three-year classes of squid. Three-year
14 classes of squid will cause economic disaster
15 to the fishing chain that exists in Nantucket
16 Sound.

17 We all want clean energy, but we
18 also have a mandate for sustainable fisheries.
19 Sustainable fisheries cannot happen in
20 Nantucket Sound if this project is built. We
21 need to find another site.

22 MR. MOORE: Thank you very much.
23 No. 13, and we would like 15, 16, 17, and 18
24

Cape Wind Energy Project - March 13, 2008

1 We all have a job to do. Let's do
2 each of the jobs well, just like we have done.
3 The energy people should find the right places
4 to do this, and not in Nantucket Sound. Thank
5 you.

6 MR. MOORE: Thank you very much.

7 MR. BARRETT: My name is Edward
8 Barrett, and I spoke on Monday as the
9 president of the Massachusetts Fishermen's
10 Partnership, but tonight I'm speaking as the
11 captain of the fishing vessel Sirius. What
12 I'd like to do is address a few mistakes that
13 I find that DEIS has made.

14 First of all, I'd like to talk
15 about the spacing. At one third of a mile,
16 the spacing of this project will cause this to
17 be a 24-and-a-half-square-mile closure. We
18 will not be able to fish our mobile gear and
19 safely navigate between these windmills.

20 There's a 9-knot current that runs
21 through there, so at all times without these
22 obstacles, we are hard-pressed to navigate as
23 it is. This is only going to put our
24

Cape Wind Energy Project - March 13, 2008

1 to come up.

2 MS. HARTMAN: Good evening. My
3 name is Berl Hartman. I am a co-founder and
4 chapter leader of Environmental Entrepreneurs,
5 known as E2, a national community of over 850
6 prominent business leaders, 80 of them in
7 Massachusetts. I am here to urge you to
8 support the Cape Wind project.

9 E2 and its members, who come from a
10 wide range of business backgrounds, are widely
11 recognized as a resource for understanding
12 business perspectives on environmental issues.
13 Just as Massachusetts led our nation's first
14 revolution, it is now in a position to lead
15 the revolution of the 21st century, the energy
16 revolution. That revolution will determine
17 not only the fate of our country, but that of
18 our planet. This project has the potential to
19 be our generation's shot heard round the
20 world, the opening round in the clean energy
21 revolution that our state can lead.

22 This project has been under review
23 for almost seven years. The longer we delay
24

Cape Wind Energy Project - March 13, 2008

1 building Cape Wind, the longer we risk losing
2 this opportunity to become a globally
3 recognized leader in clean offshore wind
4 power. Clean energy has the potential to be
5 the 21st century's engine of economic growth,
6 job creation, and innovation. We cannot let
7 this opportunity slip through our fingers.

8 Thank you.

9 MR. MOORE: Thank you very much.

10 MR. MOIR: My name is Rob Moir, and
11 I'm going to be presenting Nathaniel Greene's
12 presentation from National Resources Defense
13 Council.

14 "Here in Massachusetts NRDC has
15 43,000 members. On a personal note, my family
16 has run an (inaudible) on Nantucket for over
17 75 years, so the Cape Wind project is
18 important to me both for professional and
19 personal reasons.

20 "Here at NRDC we believe that the
21 proposed project benefits would be
22 significant, that adverse impacts can be
23 minimized if careful mitigation measures are
24

Cape Wind Energy Project - March 13, 2008

1 adopted, and that the MMS should move quickly
2 to finalize the EIS and permit the project.

3 "The potential benefits for Cape
4 Wind are twofold: first, the local and
5 regional pollutants that the project would be
6 avoiding; and second, it would reduce
7 emissions of carbon dioxide, and we've
8 calculated that about 880,000 tons per year of
9 carbon dioxide would not be emitted.

10 "The NRDC strongly recommends that
11 the Final Environmental Impact Statement and
12 conditions for any permit include specific
13 monitoring and mitigation measures to protect
14 the marine environment. We call on MMS to
15 include a detailed and comprehensive
16 environmental management system for
17 identifying, monitoring, mitigating potential
18 impacts associated with project construction
19 and operation. The historic precedent set by
20 the Cape Wind project makes it all the more
21 important that it strive constantly to avoid
22 and minimize any impacts, requiring better
23 monitoring and mitigation to protect the
24

Cape Wind Energy Project - March 13, 2008

1 marine mammals and build environmental
2 management systems into a truly captive
3 management regime.

4 MR. MOORE: You need to finish up,
5 please.

6 MR. MOIR: This will help make Cape
7 Wind the best possible project.

8 MR. MOORE: Thank you very much.
9 No. 15.

10 MR. SYLVESTER: Dana Sylvester,
11 from Hyannis. I've been against this from the
12 beginning. It seems like being one of the
13 worst places you could put this, to me. The
14 reason I see is because Cape Cod is unique. I
15 think it's God-made. If anyone went to the
16 National Seashore and watched that movie, it
17 shows how Cape Cod was formed in the Ice Ages,
18 coming back and forward. It's a very unique
19 area.

20 I'm very glad that -- even though I
21 voted against John Kennedy, I'm glad he did
22 become President and preserve that area out
23 there, where Cape Cod is still like Cape Cod.
24

Cape Wind Energy Project - March 13, 2008

1 I grew up here in the summer when I
2 was a child. We had to sell it. Cape Cod is
3 like, you know, it's a place to get away from
4 the pressures, the work, and you come here --
5 I know to mention the winds -- but you get
6 near the bridges, and it's cool. And I think
7 it should be preserved for that for people to
8 come down and enjoy the beauty and fishing and
9 swimming, beaches. I know it's 6 1/2 miles
10 from one of the beaches. I just think it's
11 too much of a risk for the greatness of Cape
12 Cod.

13 MR. MOORE: Thank you very much.
14 16?

15 MR. AIKENS: I'd like to thank the
16 Department of Interior for being here and
17 listening to our comments. I represent 6,000
18 members. My name is Martin Aikens. I'm a
19 business agent for the electricians in Boston.
20 We have three different local unions in the
21 area which will be doing the work on this
22 project.
23

24 We have 6,000 members. We have

Cape Wind Energy Project - March 13, 2008

1 1100 retirees. Right now I think our economy
2 in this country has been sold off. Well, it's
3 time for a new economy. As you see, this
4 project has been going on for seven years. It
5 works around the rest of the world. It can
6 work here.

7
8 The United States needs this
9 project. The offshoots of this are going to
10 be amazing. We're talking about building a
11 wind test, display facility testing right here
12 in Boston, so we can take these blades and
13 test them and make sure that these are the
14 products that we want to use.

15 I'd say the United States right now
16 is about 20 years behind. We talk about
17 national security. Well, buying foreign oil
18 to keep us going and to keep our electricity
19 running is national security. When people
20 have to pay \$4 a gallon for gasoline and
21 everything's imported, that's national
22 security. And we're going to be able to have
23 three quarters of the Cape and Islands'
24 electricity made with no fuel. That's a

Cape Wind Energy Project - March 13, 2008

1 no-brainer.

2 I sat here for seven years. I
3 really thought, when I looked at this project,
4 that the United States of America, the people
5 in Massachusetts would wrap their arms around
6 this. The spinoffs and the jobs that we have
7 to look at --

8 MR. MOORE: You need to finish up,
9 please.

10 MR. AIKENS: I just want to say, it
11 will jumpstart the economy. We need jobs.
12 America needs it, and Massachusetts needs it.
13 Thank you.

14 MS. REID: Good evening. My name
15 is Sue Reid. I am a staff attorney and
16 director of the Massachusetts Clean Energy and
17 Climate Change Initiative at Conservation Law
18 Foundation. I'm here tonight because Cape
19 Wind is one of the most promising clean energy
20 solutions in our nation. I wanted to address
21 a couple of the principal arguments that have
22 been advanced by the project's opponents in
23 connection with the DEIS this evening.

Cape Wind Energy Project - March 13, 2008

1 First with respect to economic
2 aspects of the project: It is really
3 important to keep in mind that contracts for
4 the sale of power from Cape Wind will only be
5 approved if the price is reasonable,
6 notwithstanding alarmist claims to the
7 contrary. We have a rigorous process in place
8 to ensure that.

9
10 In addition, unlike fossil fuels,
11 that are expected to continue to go through
12 the roof in price, the fuel for the Cape Wind
13 project not only is clean, but also is free.
14 So the price for the power from the project
15 can remain extraordinarily stable over time
16 and provide a very important hedge against
17 volatile fossil-fuel prices.

18 In addition, we do not yet take
19 into account the real cost of carbon in
20 connection with electricity from fossil-fuel
21 generating sources, as we surely must do
22 moving forward. As we take these costs into
23 account, the cost-effectiveness of this
24 project only becomes so much more transparent.

Cape Wind Energy Project - March 13, 2008

1 In addition, it is critically
2 important not to ignore the extraordinary
3 costs of inaction if we don't embrace clean
4 energy solutions like this.

5 In connection with arguments that
6 there are supposedly preferable alternatives
7 to this project, and opponents have pointed to
8 land-based wind and deepwater wind, I urge you
9 to consider that we need to grasp the full
10 magnitude of the challenge of climate change,
11 and if those promise, to, like this one, go
12 through extensive environmental review and are
13 shown to have environmental benefits that are
14 expected to far outweigh their impacts, then
15 we need to pursue those projects, too, in
16 addition to this one. Thank you very much.

17 MR. MOORE: No. 18, Speaker 18.

18 MR. ROGERS: Thank you very much.
19 My name is John Rogers. I work on clean
20 energy issues in the Northeast for the Union
21 of Concerned Scientists.

22 Scientists now say that we must
23 achieve 80 percent or more reductions in
24

Cape Wind Energy Project - March 13, 2008

1 global warming pollution by midcentury. This
2 will require a total transformation of our
3 energy system. Efficiency alone will not do
4 it. And the longer we wait, the less room for
5 error we have, which is why we need to get
6 renewable electricity projects up and running
7 as soon as possible.

8 Given that reality, we at the Union
9 of Concerned Scientists offer three comments.
10 First, we agree with the findings of the DEIS
11 that this project will reduce our use of
12 fossil fuels. All grid-connected renewable
13 electricity projects do.

14 Second, with regard to the
15 so-called no-action alternatives, UCS thinks
16 MMS should be more explicit in the DEIS about
17 the impacts of those alternatives,
18 particularly with regard to global warming
19 pollution from coal and oil-fired power
20 plants, such as those in Somerset, Sandwich,
21 and Salem.

22 Third, UCS urges MMS to take a
23 second look at its assumptions about the role
24

Cape Wind Energy Project - March 13, 2008

1 this project will have in reducing global
2 warming emissions and emissions growth in this
3 region. By UCS's calculations, which I will
4 submit with our written testimony, Cape Wind's
5 global warming reductions will be a much more
6 significant fraction -- not 1 percent, but 9
7 percent -- of the projected growth in
8 economics from all of New England.

9 All of our energy choices have
10 consequences. We should not accept any
11 projects blindly, but consider them with
12 rigorous scientific review in the context of a
13 warming planet. The efforts reflected in the
14 DEIS show that this project will likely be a
15 responsible part of our region's response to
16 the enormous climate challenge. Thank you
17 very much.

18 MR. MOORE: Thank you very much.
19 It's close to 8:00 o'clock. We had set a
20 15-minute break after two hours. We'd like to
21 take 15 minutes.

22 (Recess taken.)

23 MR. MOORE: I think we're ready to
24

Cape Wind Energy Project - March 13, 2008

1 start. We have No. 19, I believe. I wanted
2 to also let you know, some people had asked,
3 what time does the clock start? Does the
4 green ball up there, the green light, indicate
5 people have started? Your time starts as soon
6 as you start to talk, so it doesn't
7 necessarily perfectly reflect the green light,
8 but it does reflect the red light. The red
9 light comes on when it's time to stop.

10 So thank you very much. I
11 appreciate you waiting. We're ready to hear
12 your comments.

13 MR. COYLE: Good evening. Thanks
14 for the opportunity to speak. My name is
15 James Coyle. I'm the general secretary of the
16 Metropolitan Boston Building Trades. As such,
17 I represent 30,000 men and women in 20
18 different unions that would obviously benefit
19 from the jobs from building this wind farm.

20 They're also building wind farms in
21 Maine, Vermont, western Massachusetts, and
22 many other states in the country right now.
23 We obviously are in favor of this.
24

Cape Wind Energy Project - March 13, 2008

1 Last year I got the opportunity to
2 go to Europe. I saw a number of wind farms
3 over there, and I didn't find them any more
4 ugly or obtrusive than I would say
5 high-tension wires were, high-tension poles,
6 which are all over this country everywhere,
7 and we all have lived with them. We've lived
8 with them for years because they provide us
9 with heat and lights, what we're all enjoying
10 tonight. Everybody likes that. They like
11 their air conditioners two, but everybody
12 seems to be upset when it comes time to build
13 a powerhouse or any other type of item like
14 this wind farm: Not in my back yard.

15 I've heard a number of people
16 tonight say it's not about NIMBYism. But in
17 the business I'm in, I go from town to town
18 and city to city, and I go to many of these
19 meetings on every project that gets permits,
20 and that is the major item I see. No one
21 wants anything built in their back yard.
22 Where would we be without it?

23 I live in South Boston. Two
24

Cape Wind Energy Project - March 13, 2008

1 powerhouses have just recently been closed
2 down, one for the MBTA and one for Edison.
3 They're going to be cleaned up. The sites
4 will not be brown fields, they'll be
5 waterfront property. High-end condos will be
6 built there.

7 I've got 30 seconds left. I'd like
8 to make one quick comment on the aesthetics of
9 a wind farm. When I go to the Museum of Fine
10 Arts and I look at some of these paintings
11 that are made two, three hundred years ago by
12 people like Rembrandt, I see beautiful, scenic
13 pastoral scenes that have machines in them.
14 And what are those machines? Windmills.
15 Thank you.

16 MR. MOORE: Thank you very much.
17 20.

18 MR. MacAUSLAND: My name is Steve
19 MacAusland. I am chief evangelical officer
20 for Massachusetts Interfaith Power and Light,
21 a nonprofit organization of 150-plus
22 congregations of every denomination in
23 Massachusetts. Our mission is to serve God by

Cape Wind Energy Project - March 13, 2008

1 caring for creation, and we are in favor of
2 Cape Wind.

3 We serve God by practicing energy
4 conservation, investing in energy efficiency,
5 so that we can save more than enough energy to
6 buy clean energy -- excuse me, save more than
7 enough money to buy clean energy, but we can't
8 buy clean energy generated in Massachusetts,
9 and we would like to.

10 I don't think that there's anybody
11 on the Cape Wind side of the conversation who
12 would deny that there will be impact on the
13 environment of Horseshoe Shoal. However, when
14 we get the big picture, if we step back and
15 look at the planet itself and look into the
16 future, we can see that global warming is
17 going to devastate not only the Cape and
18 Islands, but the entire planet.

19 We're already seeing the disastrous
20 effects on some of our Cape beaches from a
21 minimal sea rise of inches in the last few
22 decades. A few inches and increased
23 uncertainty, to use a euphemism, at best in
24

Cape Wind Energy Project - March 13, 2008

1 the weather is causing a massive erosion.
2 Imagine what it's going to look like when we
3 get a 6-to-8-foot rise in sea level by the end
4 of the century. And if or when the ice caps
5 go north and south, you can kiss the Cape and
6 Islands good-bye.

7 I'm hoping that we can all step
8 back and get the big picture and do what is
9 right. Cape Wind is not going to save the
10 world, but it's a big step in the right
11 direction. Thank you.

12 MR. MOORE: Thank you very much.
13 21? 22? 21.

14 MR. WOLF: My name is Dan Wolf. I
15 am the chief executive officer and founder of
16 Cape Air and Nantucket Airlines. I live on
17 Cape Cod. I love Cape Cod. I'm passionate
18 about Cape Cod. The livelihood of our 600
19 employee owners and their families depends on
20 the environmental and economic vitality of
21 Cape Cod.

22 I just want to read a very brief
23 statement. "As founder and chief executive
24

Cape Wind Energy Project - March 13, 2008

1 officer of Cape Air and Nantucket Airlines,
2 the largest air service provider in Southeast
3 Massachusetts, and as a pilot myself, with 30
4 years -- 30 years -- of flying experience
5 around Cape Cod and the Islands of Nantucket
6 and Martha's Vineyard, I wish to state for the
7 record that I agree with previous Federal
8 Aviation Administration findings that the Cape
9 Wind project proposed for Horseshoe Shoals
10 will have no adverse impact on air
11 transportation and navigation in the region.

12 "For almost 20 years our airline
13 has transported hundreds of thousands of
14 passengers -- hundreds of thousands of
15 passengers -- each year -- each year -- and
16 our success depends on a safe and efficient
17 air transportation system. We have followed
18 the exhaustive studies and dialogue regarding
19 the proposed Cape Wind project for these past
20 six years and have grown increasingly certain
21 that nothing in the proposal would jeopardize
22 our mission."

23 I appreciate the opportunity very
24

Cape Wind Energy Project - March 13, 2008

1 much to speak to you tonight and appreciate
2 all the good work you're doing. Thank you.
3 MR. MOORE: Thank you. No. 22.
4 And we would like to have 24, 25, 26, and 27
5 come up and have a seat up here. Thank you.
6 Please proceed. Thank you.

7 MS. BRODERICK: My name is Helen
8 Broderick. I am speaking tonight not only for
9 myself, but also for family, friends, and
10 neighbors, who share my love for Nantucket,
11 Cape Cod, and the environment.

12 Our home in Chatham is a home like
13 many other homes on the Cape. It is a place
14 where friends, neighbors, and family gather
15 and discuss their love of the environment and
16 of Nantucket Sound and how they strongly
17 support the efforts of the Cape Wind Energy
18 Project.

19 Weather permitting, we spend as
20 much time as possible on our boat, which is
21 moored in Nantucket Sound. We appreciate the
22 natural beauty and wildlife in Nantucket
23 Sound, where we fish, shellfish, and lobster.

Cape Wind Energy Project - March 13, 2008

1 Since everyone seems to agree, I
2 don't feel the need to spend much time
3 discussing the need for and the benefits of
4 using wind to provide alternative energy for
5 our current and growing future energy needs.
6 I hope we can follow the lead of other
7 countries, who have provided us with proven
8 working models of successful
9 environmental-friendly wind farms.

10 Personally, we see this project as enriching
11 our boating, fishing, and recreational
12 activities and positively impacting our life
13 and energy needs.

14 Please say yes to the Cape Wind
15 Energy Project.

16 MR. MOORE: Thank you. Speaker
17 No. 23, please.

18 SPEAKER NO. 23: Hi, neighbors, and
19 greetings from Narragansett Bay. In the words
20 of Yogi Berra, this is like deja all over
21 again, because I've got to say that in the
22 '60s the people on Cape Cod were protesting
23 the Pilgrim nuclear power station. Thirty-six

Cape Wind Energy Project - March 13, 2008

1 years later, this power station is still
2 running, with no threat to marine life,
3 wildlife, and obviously air traffic.
4 Rhode Island's Governor Donald
5 Carcieri and the RI Wind Coalition is
6 mandating 15 percent of Rhode Island's power
7 to be made up of renewable energy in the next
8 three to five years. Senator Ted Kennedy may
9 be against Cape Wind, but I'll tell you right
10 now, Congressman Patrick Kennedy is in favor
11 of our ideas. So one or both of us will set
12 the pace for the Eastern Seaboard.

13 Now, the town of New Shoreham,
14 Rhode Island, which is Block Island, as most
15 of you know, pays the highest rates for
16 electric power in the country, 42 cents a
17 kilowatthour. Just think about where we're
18 headed with fossil fuels and natural gas in
19 the next five to ten years. We need renewable
20 energy, and we need jobs.

21 As business manager, IBEW Local 99,
22 Providence, Rhode Island, I stand in support
23 of the Cape Wind project, the RI wind project,

Cape Wind Energy Project - March 13, 2008

1 the Long Island wind project, the Chesapeake
2 Bay wind project, and any wind project from
3 here to Cape Hatteras for renewable energy.
4 Thank you very much.

5 MR. MOORE: Thank you. No. 24.

6 MR. GOOD: My name is Neil Good. I
7 live in Mashpee, on Cape Cod. In 2001 Cape
8 Wind Associates announced they'd made an
9 important discovery. They revealed that they
10 had identified Horseshoe Shoal in the center
11 of Nantucket Sound as a truly unique area, not
12 just along the New England coast, but unique
13 when compared to areas further north and south
14 in the Northeast Atlantic Seaboard. They
15 pointed out then, as they do now, that
16 Horseshoe is covered by unusually shallow
17 water, water so shallow that the shoal is
18 uncovered or completely dry in some places at
19 low tide. It only happens rarely today, but
20 it does happen, and 100, 200, 300 years ago it
21 happened so regularly that Horseshoe Shoals
22 was clearly marked as dry at low tide in early
23 navigational charts. Well, it is entirely to

1 **Cape Wind Energy Project - March 13, 2008**

2 fair to say that Horseshoe Shoal was just as
3 unique much further back in time as it is
4 today.

5 Well, in 1837 a Danish historian,
6 Carl Rafn, became the first in a long line of
7 respected researchers to propose that
8 Nantucket Sound is described in detail in the
9 Greenlanders' saga, an Icelandic account that
10 is now recognized as the oldest written
11 description of the Western Hemisphere. The
12 saga tells how Norsemen in the early 11th
13 century sailed south along the American
14 coastline until they eventually entered a
15 sound, how they sailed west into it, and how
16 they found that the sound was made up of
17 extensive shallows. And on one of these
18 shoals or shallows the saga says that the ship
19 was left high and dry, with the sea almost out
20 of sight.

21 This story is too complex to cover
22 here, of course, but it's important to add
23 that the majority of researchers who have
24 studied this problem do believe the

1 **Cape Wind Energy Project - March 13, 2008**

2 this costly irresponsible project.

3 Cape Wind supporters have touted
4 the results of an allegedly independent poll
5 claiming that 74 percent of Cape and Islands
6 residents support Cape Wind. That poll asked
7 leading questions and reduced Cape Wind
8 opposition to NIMBY issues, like view and
9 recreational sailing. It completely ignored
10 impacts to commercial fishing, tourism and
11 consumer costs. It also referenced MMS's
12 favorable report on Cape Wind but neglected to
13 mention it was a draft document and not a done
14 deal. I urge MMS to question the integrity of
15 this poll.

16 Moreover, the poll surveyed just
17 over 90 residents of the Cape and Islands. In
18 contrast, over the past three days nearly 165
19 people have spoken out against Cape Wind at
20 the public hearings. In Yarmouth, 74 percent
21 of speakers opposed Cape Wind. In Nantucket
22 over 60 percent of all speakers opposed Cape
23 Wind. And last night in Martha's Vineyard an
24 overwhelming 75 percent of all speakers

1 **Cape Wind Energy Project - March 13, 2008**

2 Greenlanders' saga describes the southern New
3 England coastline. But surprisingly, none of
4 these early researchers ever took notice of
5 the fact that Horseshoe Shoal ran dry at low
6 tide, a condition that coincides exactly with
7 the wording in the Greenlanders' saga.

8 Cape Wind believes it made an
9 important discovery about Horseshoe Shoal in
10 2001. As incredible as it may seem, it
11 appears probable that Norsemen and women made
12 the very same discovery exactly 1,000 years
13 earlier. Thank you.

14 MR. MOORE: No. 25.

15 MS. DINEEN: My name is Kate
16 Dineen, and I'm a Cape Cod resident and
17 employee of the Alliance to Protect Nantucket
18 Sound. I've attended the past three hearings
19 in Yarmouth, Nantucket, and Martha's Vineyard,
20 and quite frankly I'm not sure why we're
21 standing here in Boston discussing a
22 25-square-mile project proposed for the Cape
23 and Islands. Off-Cape residents are not
24 stakeholders and would not bear the burden of

1 **Cape Wind Energy Project - March 13, 2008**

2 opposed Cape Wind. In the past three days
3 nearly 30 real, live public officials from the
4 Cape and Islands, representing thousands of
5 Cape and Islands residents, vehemently
6 condemned this irresponsibly sited project.

7 Nantucket Sound is the spiritual
8 and economic heartbeat of our community, and
9 now the Cape Wind developer is attempting to
10 exploit our communal resource for his communal
11 gain. He continues to ignore the resounding
12 chorus of opposition lead by elected
13 officials, commercial fishermen, chambers of
14 commerce, environmental groups, the three
15 airports and the two ferry lines, and of
16 course everyday Cape Codders like myself.

17 Tonight we're here about global
18 warming, rising sea levels, melting ice caps,
19 air quality, asthma, oil, natural gas, coal,
20 the war in Iraq, Denmark and even polar bears.
21 As Harry Truman said, "If you can't convince
22 them, confuse them." Cape and Islanders are
23 not confused, and we're certainly not
24 convinced that the renewable energy

Cape Wind Energy Project - March 13, 2008

1 revolution --

2 MR. MOORE: You need to finish up.
3 Would you please submit your comments, because
4 I think he will have trouble because of the
5 speed.

6 No. 26.

7 MS. BUCHANAN: Hello. Good
8 evening. My name is Ava Buchanan, and I'm a
9 junior at the Boston Latin High School. I'm
10 also one of the vice presidents of Boston
11 Latin School's Youth CLIMATE ACTION NETWORK,
12 and I'm here tonight to represent over 300
13 members from BLS, some of whom are here with
14 us now, and other youth groups within our
15 network to support the Cape Wind proposal.

16 I'd like to tell you about a few of
17 the reasons why we support Cape Wind. First
18 of all, the Cape Wind turbines can go a long
19 way towards helping address the problem of
20 global climate change, a problem that is very
21 important to me and the rest of my generation.

22 The Cape Wind proposal will have
23 positive impact on global climate change
24

Cape Wind Energy Project - March 13, 2008

1 those who ultimately have the power to make
2 this decision, those who hold our future in
3 their hands to make the right decision and
4 vote in favor of Cape Wind. Thank you.

5 MR. MOORE: Thank you very much.
6 We have No. 28. 29? 27.

7 28, 29, 30, and 31, if you'd please
8 come up to the front.

9 MR. GIACALONE: My name is Vito
10 Giacalone. I'm a fishermen's representative.
11 I work with the Northeast Seamen's Coalition,
12 and I'm a mobile gear fisherman.

13 Placement of this project appears
14 to be the product of an exercise to maximize
15 profits and minimize the permitting hurdles,
16 rather than an exercise in finding a location
17 that results in the least impacts to the
18 environment and to other stakeholders
19 dependent upon the area of the project. What
20 makes matters worse is that the DEIS fails to
21 recognize the impacts of the commercial
22 fishermen from the loss of Horseshoe Shoals.
23 Fishing, especially mobile gear fishing,
24

Cape Wind Energy Project - March 13, 2008

1 because of the decrease in carbon emissions
2 that it will bring about. And along with
3 other benefits, the Cape Wind proposal has the
4 power to lead the way towards clean energy for
5 the rest of our country.

6 As a member of a very active
7 climate action group, I have learned a lot
8 about the disastrous effects on our
9 environment from continuing to use fossil
10 fuels, and I'm convinced that if we don't
11 start making the necessary changes towards
12 cleaner sources of energy, my generation will
13 face increasingly dire consequences.

14 The Cape Wind proposal is one of
15 those absolutely necessary changes. It's a
16 change that must be made now. Youth Climate
17 is doing everything within our power to make
18 it happen, but we need your help. That's
19 where we're here today, to urge you, on behalf
20 of the Boston Latin School Youth CLIMATE
21 ACTION NETWORK, and on behalf of youth
22 everywhere, to do the right thing. Please
23 support the Cape Wind proposal and encourage
24

Cape Wind Energy Project - March 13, 2008

1 cannot share the same area as these turbines.
2 130 turbines spaced between one third and one
3 half mile equates to a total displacement of
4 mobile gear from the area. The threat these
5 structures pose to mobile gear cannot be
6 overstated.

7 Trawlers traditionally fishing on
8 Horseshoe Shoals for fluke and squid are
9 towing their gear behind the vessel
10 approximately one fifth of a mile. One of the
11 most dangerous events for a trawler is when it
12 becomes hung up on an obstruction. I cannot
13 think of a worse or a more dangerous situation
14 than to become hung up on one of these
15 structures. With the strong tides, the
16 trawler is taken mercilessly at an awkward
17 angle that would normally allow the vessel to
18 maneuver in any direction over a submerged
19 hangup. In this instance of hanging up on one
20 of these turbine structures, a trawler will be
21 in great danger of being wrapped around the
22 structure and ultimately in danger of being
23 destroyed.
24

Cape Wind Energy Project - March 13, 2008

1 It's been well documented, the
2 radar interference, which is another serious
3 safety issue for trawlers.

4 In short, Horseshoe Shoals is being
5 taken from the fishing industry that depends
6 on it without compensation. The DEIS mentions
7 an insulting estimate of around \$15,000 over
8 the life of the project, with most of that
9 coming during construction. This project is a
10 closure of 28 square miles of the most
11 productive traditional fishing grounds. It
12 imposes tremendous safety issues to seagoing
13 and air traffic.

14 MR. MOORE: One more sentence,
15 please.

16 MR. GIACALONE: For this reason, we
17 oppose Cape Wind.

18 MR. MOORE: Thank you. 28?

19 MS. McMAHON: Good evening. My
20 name is Joyce McMahon. I'm the communications
21 director for the Massachusetts Affordable
22 Reliable Electricity Alliance, Mass AREA for
23 short. Thank you for this opportunity to
24

Cape Wind Energy Project - March 13, 2008

1 address you.

2 Mass AREA is a diverse statewide
3 group comprised of 80 labor unions, trade
4 associations, businesses, educators,
5 scientists, advocates, and community leaders.
6 We are committed to finding clean, low-cost,
7 and reliable electricity solutions that
8 benefit all of Massachusetts. It is an urgent
9 public policy challenge.

10 While Mass Area's mission is broad
11 in focus, to include maintaining our current
12 generation, improving the transmission
13 infrastructure, developing the natural-gas
14 supplies and encouraging energy efficiency and
15 demand response, Mass AREA and its members
16 fully support the siting and development of
17 Cape Wind. In the late 1990s, after
18 restructuring, several new power plants were
19 built, but since then there has been little
20 plant construction. And while many new
21 generation units have been proposed, all have
22 been met with not-in-my-back-yard activists.
23 What's worrisome is that New England's
24

Cape Wind Energy Project - March 13, 2008

1 electric generation infrastructure is aging
2 quickly. The recapitalization of 100 percent
3 of our generation capacity in 20 to 30 years
4 begins now.

5 There are also a number of new
6 initiatives that have passed or are pending
7 that will require enormous changes in how much
8 electricity we use and the way it's generated.
9 The Regional Greenhouse Gas Initiative calls
10 for carbon dioxide levels in New England to be
11 reduced by 10 percent, and the only way that
12 we're going to do that, according to a report
13 by Polestar, is to build at least ten
14 400-megawatt wind farms -- in other words, ten
15 Cape Winds -- among many other energies.
16 There are a number of economic benefits that
17 we see as well.

18 So in summary, Mass AREA has
19 weighed all the environmental economic and
20 energy-supply traits. It's positive in all
21 areas, and we encourage the Minerals
22 Management Service to grant the permit to Cape
23 Wind as quickly as possible. Thank you.
24

Cape Wind Energy Project - March 13, 2008

1 MR. MOORE: Thank you very much.

2 MS. HAYES: My name is Lois Hayes.
3 I'm a member of Boston Climate Action Network.
4 We're an organization of approximately 1,000
5 Boston residents concerned about global
6 warming impacts on our community's health,
7 housing, and jobs.

8 We support Cape Wind because,
9 simply, every kilowatt that's created through
10 wind turbines or some other clean technology
11 is one less kilowatt that's created through
12 old, wasteful fossil-fuel technology. Burning
13 fossil fuels has contributed to Boston having
14 the highest levels of asthma in the state.
15 That's death-making; that's not something to
16 be minimized.

17 And the old plants, the filthy
18 five, including the Mirant Canal plant, have
19 given us increasingly expensive utility bills,
20 with no end in site.

21 And of course the old technologies
22 produce carbon. As the global has warmed,
23 asthma has increased, our housing insurance
24

1 Cape Wind Energy Project - March 13, 2008

2 policies have been increased or canceled, our
3 fishing stocks have declined, and our forests
4 have become pest-infested. We stand to lose
5 the entire Cape to rising seas if we don't cut
6 our carbon emissions.

7 We need urgent action to reverse
8 the trend to global warming. Because we have
9 remained dependent on fossil fuels for so
10 long, global warming is sadly going to become
11 worse before it gets better. Boston CAN
12 includes many parents, so we are ready to make
13 many sacrifices to help preserve climate
14 stability for our children.

15 We know the construction of Cape
16 Wind will disrupt Cape and Islands, just as
17 the Big Dig has wreaked havoc in the lives of
18 Boston residents and businesses. But just as
19 the Big Dig has created new opportunities for
20 Boston's waterfront, we trust Cape Wind will
21 yield benefits for the Cape in terms of health
22 and economic development.

23 MR. MOORE: Thank you very much.
24 No. 30. And can we have 32, 33, 34, and 35

1 Cape Wind Energy Project - March 13, 2008

2 about 20 barges full of oil the size of
3 Bouchard No. 120. That's the name of an oil
4 barge that went aground in Buzzards Bay in
5 2003, killed hundreds of birds, and had
6 horrible effects on the shellfish industry.

7 More than half of our oil in this
8 country comes from unstable foreign countries.
9 Cape Wind would really reduce our dependence
10 on those countries.

11 When I was first investigating the
12 Cape Wind proposal, I learned about other
13 places that have chosen the wind farm solution
14 before Massachusetts. One of those places is
15 Denmark. Lots of people in Denmark felt
16 concerned also about building wind farms at
17 first. They were worried about the turbines'
18 impact on bird populations, shellfish,
19 fishing, on property values, on noise, and
20 they were also worried about their view. But
21 I feel that the gains that we can make by
22 having Cape Wind outweigh --

23 MR. MOORE: You need to finish up,
24 please.

1 Cape Wind Energy Project - March 13, 2008

2 come up to the front, please.

3 MS. SHIRLEY: Hello. My name is
4 Ashley Shirley, and I'm in eighth grade. I am
5 also here with the BLS Youth CAN because I
6 support the Cape Wind proposal.

7 It can be a little scary being in
8 an active climate action group. Sometimes you
9 find out things you'd rather not know about.
10 I feel that way about the problem of global
11 climate change. It seems like such a huge
12 problem, and sometimes we all seem to be
13 doomed, and it looks like no one is really
14 going to do anything about it, or at least not
15 doing the most important things. That makes
16 me very worried, and angry.

17 Then along comes something like the
18 Cape Wind proposal that can actually make a
19 huge difference, and I feel like I want to do
20 everything I can to help it to happen. I
21 became even more convinced that Cape Wind is
22 the right thing when I found out that it would
23 make enough energy to be the equivalent of 2
24 million barrels of oil every year. That's

1 Cape Wind Energy Project - March 13, 2008

2 MS. SHIRLEY: -- the negative
3 impacts. Thank you.

4 MR. MOORE: Thank you very much.
5 No. 31, Speaker 31.

6 MS. O'DELL: My name is Jackie
7 O'Dell, and I'm the executive director of the
8 Northeast Seafood Coalition. We're a
9 commercial-fishing-industry membership
10 organization that represents 160 vessels and
11 60 shoreside businesses. Our organization
12 operates out of Gloucester and New Bedford.

13 Horseshoe Shoals is the place of
14 work for many of our mobile fishermen who fish
15 for conch, squid, and fluke, and I'm here
16 tonight to tell you that we're very
17 dissatisfied with the draft EIS. The layout,
18 density, and interconnect of cable systems
19 proposed for this project is incompatible with
20 commercial fishing. The draft EIS needs to
21 more accurately assess commercial fishing
22 activities and the realities associated with
23 these activities. The proposed project will
24 greatly impede, if not cease, much of the

Cape Wind Energy Project - March 13, 2008

1 commercial mobile fishing on Horseshoe Shoals,
2 and these realities are not reflected in the
3 economic impacts associated with this project.

4 I'm quickly going to read this on
5 behalf of a fellow fisherman and shoreside
6 business owners as well. "My name is Tory
7 Bramante, and I am here today representing one
8 of my fishing vessels, the American Pride.
9 Although its home port is in Boston, it spends
10 much of the spring and summer months fishing
11 in Nantucket Sound, primarily in the area of
12 which we are all here today to discuss. This
13 vessel, my family, and my crew and its
14 families rely on fishing in these prime waters
15 which are at stake of possible closure to this
16 project. My vessel is one of many whose
17 livelihoods depend on these waters, and
18 closures would be catastrophic in an
19 already-hurting industry.

20 "I'm also here representing another
21 one of my companies, Atlantic Coast, which
22 happens to purchase 90 percent of squid and
23 summer flounder that is harvested out of

Cape Wind Energy Project - March 13, 2008

1 literature at the time, led us to tentatively
2 conclude that the project would not pose an
3 ecologically significant threat to the birds
4 and associated habitat of the sound. After
5 three years of additional research and review
6 of the present DEIS, we continue to conclude
7 that it will not cause a significant problem.
8 However, there are certain
9 conditions that still remain that we suggest
10 be met. Regarding avian species, because the
11 roseate tern is a Federally listed endangered
12 species and is already at risk of extinction,
13 Mass. Audubon recommends that remaining
14 uncertainty in the assessment of that risk be
15 reduced, and we will provide written details
16 suggesting how that uncertainty can be reduced
17 for this species.

18 We review Cape Wind within the
19 context of rising sea levels caused by rapid
20 climate change that threaten low-lying barrier
21 beaches and islands. These are areas of
22 critical habitats for all, not only roseate
23 terns but the threatened piping plover. Our

Cape Wind Energy Project - March 13, 2008

1 Nantucket Sound each spring and summer. I
2 mention this because we've known the dollars
3 of lost revenue and income that is at stake
4 here. Closing these waters would have a
5 negative impact on this industry and the
6 infrastructure of lower Cape Cod in which
7 these fisheries support during the spring and
8 summer months. Thank you.

9 MR. MOORE: You need to finish.
10 Thank you.

11 MR. CLARKE: Good evening. My name
12 is Jack Clarke. I'm with the Massachusetts
13 Audubon Society. I want to thank MMS for
14 coming to Boston and holding this hearing.
15 Thank you for all the hard work that I know
16 that you do.

17 Mass. Audubon's ongoing support for
18 Cape Wind is contingent upon satisfactory
19 resolution of key policy and biological issues
20 that we identified in our March 2006 challenge
21 to the Cape Wind applicant and permitting
22 agencies. Our preliminary assessment of the
23 first DEIS, our own research and scientific

Cape Wind Energy Project - March 13, 2008

1 standard for the technical review of the
2 project and the assessment of the DEIS is that
3 the project posed no ecologically significant
4 threat.

5 One other issue we'd like to raise
6 is that we're pleased MMS will require an
7 adaptive management plan in the form of an
8 ecological management system. We recommend,
9 however, that the draft EMS be made available
10 for public review and comment now, within the
11 extended public-comment period, and as a
12 supplement to the DEIS. Thank you.

13 MR. MOORE: Thank you very much.

14 MS. FILIO: Hello. My name is Joan
15 Filio. I'm a Cape Codder, and I am here
16 tonight to show strong support for Cape Wind.

17 I was privileged enough to grow up
18 on the Cape. I have been lucky to live in
19 this area, and I never gave much thought to
20 where our electricity comes from. The debates
21 surrounding Cape Wind forced me to start
22 thinking about the consequences of my energy
23 consumption. Here in the Northeast we import

Cape Wind Energy Project - March 13, 2008

1 the vast majority of our power, and the
2 consumption of these fossil fuels is
3 devastating entire regions right here in our
4 own country.

5 Recently I had the privilege of
6 meeting five people from the coal field
7 regions of Ohio, Kentucky, and Virginia, and I
8 learned what and whom my choices were
9 affecting. Over three million pounds of
10 explosives are used every day to blast the
11 tops off the mountains in Appalachia. Over
12 800 square miles of mountains have been
13 destroyed, an area equivalent to twice the
14 land mass of Cape Cod. Once the coal is
15 mined, the waste is dumped into valleys and is
16 buried in over 1500 miles of streams to date.
17 The coal industry is polluting their water,
18 poisoning their children, and destroying their
19 mountains, and once these mountains are gone,
20 they are truly gone forever.

21 We have an obligation to
22 acknowledge the realities of our choices.
23 Nantucket Sound is truly a valuable resource,

Cape Wind Energy Project - March 13, 2008

1 for being here. Thank you for your commitment
2 and interest. My name is Christy Mihos. I
3 live on Cape Cod, and I proudly serve as
4 cochairman for the Alliance to Protect
5 Nantucket Sound.

6 Please allow me to address the
7 issue of oversight, as this would be the
8 largest offshore wind farm in the country, and
9 the issue of oversight looms large, especially
10 to us in Massachusetts. I liken this project
11 to the Central Artery tunnel project not three
12 miles from here, primarily built of concrete
13 and steel, like Cape Wind, but without the
14 challenges of tides, wind, waves, hurricane
15 season. When it was built, nothing moved.
16 The Big Dig was proposed in 1987 at a cost of
17 \$2.3 billion. The following agencies had
18 oversight over the planning and construction
19 of the project: Executive Office of
20 Transportation and Construction, Secretary of
21 Administration and Finance, the Massachusetts
22 State Auditor, the Massachusetts Inspector
23 General, the Massachusetts Attorney General,

Cape Wind Energy Project - March 13, 2008

1 and we must use that resource to its fullest
2 extent. Harnessing the energy blowing off the
3 sound will not destroy the Cape and Islands,
4 but the failure to make any change in our
5 lives is already destroying entire regions in
6 our country and the people living there. How
7 dare we ask them to sacrifice their
8 communities so the esthetics of the Cape
9 remain unchanged? How dare we imply that our
10 lifestyle is more important than the health
11 and safety of their children? How dare we
12 argue and nitpick over 24 square miles off our
13 coast while entire mountains and cultures are
14 being destroyed?

15 The urgency is real. The time to
16 act is now. We must look beyond our view and
17 start looking at the big picture here, and
18 that big picture has windmills on the horizon.
19 Thank you.

20 MR. MOORE: So 34, and then can we
21 have 36, 37, 38, and 39 to come up in the
22 chairs here. Thank you. Please proceed.

23 MR. MIHOS: Thank you. Thank you

Cape Wind Energy Project - March 13, 2008

1 the Massachusetts House Transportation
2 Committee, the Massachusetts Senate
3 Transportation Committee, the Massachusetts
4 Turnpike Authority, the Massachusetts Highway
5 Department, the United States Department of
6 Transportation, the Federal Highway
7 Administration, the United States Senate and
8 Congress Committee, the United States House
9 Transportation Committee. Present day, the
10 cost of the project is well over \$15 billion,
11 and it suffers from mistakes that are systemic
12 in nature, which threatens the integrity of
13 the project.

14 The new agencies conducting
15 oversight now are the United States Justice
16 Department, the Federal Bureau of
17 Investigation, the United States Department of
18 Transportation Inspector General. MMS service
19 has a total work force of 1700 people. How
20 can you assure us that you can provide
21 oversight to protect our ocean and the
22 taxpayers' money when the agencies with tens
23 of thousands could not?

Cape Wind Energy Project - March 13, 2008

1 MR. MOORE: Time is up.
 2 MR. MIHOS: In fact, the head of
 3 the project for a two-year period while major
 4 construction was ongoing and all refunds were
 5 put asunder is now the head of the Federal
 6 Highway Administration. Ladies and gentlemen,
 7 if you liked the Big Dig, you'll love Cape
 8 Wind.

9 MR. MOORE: Will No. 40 please come
 10 up, 40 and 41.

11 AUDIENCE MEMBER: Hello. My name
 12 is Sheikh Omar Haddad. I'm the executive
 13 director of Sheikhs Against Wind, or SAW. We
 14 are in total support of the Alliance to
 15 Protect Nantucket Sound. Nowhere have we
 16 found an organization that is promoting our
 17 cause to a greater degree than the alliance.
 18 SAW is a for-profit network of wealthy oil
 19 magnates, K Street lobbyists, and other
 20 industrialists who do not believe in peak-oil
 21 theories. Headquartered on Wall Street, and
 22 with over 20 chapters in key oil-producing
 23 nations, our organization's message is to
 24

Cape Wind Energy Project - March 13, 2008

1 air pollutants such as formaldehyde, xylene
 2 and toluene, benzene, sulfur dioxide. And you
 3 say that these byproducts cause acid rain and
 4 respiratory ailments, greenhouse gases? Bunk.
 5 It's all propoganda and rhetoric designed to
 6 hold back the oil industry.

7 MR. MOORE: Sheikh, it's about time
 8 to finish up.

9 AUDIENCE MEMBER: SAW will continue
 10 its fight to keep the status in status quo.

11 We ask that the MMS continue the Cape Wind
 12 project with a minimum....

13 MR. MOORE: You've got to admit,
 14 it's hard to keep a stiff upper lip up here
 15 for me -- and for them, too.

16 We are now at No. 35. 36? No. 42
 17 and 43, please come up.

18 MS. ARGO: Liz Argo, founder of
 19 Clean Power Now, born and raised on Cape Cod,
 20 currently a renewable energy installer, and
 21 I'm going to make this very short. You
 22 already have it on record. I will try to
 23 spare you having to hear at least one more
 24

Cape Wind Energy Project - March 13, 2008

1 inform businessmen and politicians that
 2 civilization is not dependent on oil and that
 3 oil is the only way for us to enjoy our
 4 standard of living.

5 Our organization feels that the MMS
 6 did not identify this and the DEIS major
 7 impact on wind farms will have no bearing on
 8 those important oil profits. In New England
 9 the region heavily depends on natural gas for
 10 energy production, and our financial models
 11 say that wind will only make it more difficult
 12 for oil facilities to maintain their current
 13 market leadership and record profits. And our
 14 shareholders, we owe this to them.

15 At this time SAW also feels that
 16 the DEIS was overly critical on the
 17 environmental and health consequences of
 18 oil-burning energy facilities. The DEIS has
 19 found that oil facilities produce a lot of
 20 industrial byproducts and that wind energy is
 21 so clean. Byproducts? What's the big deal?
 22 Scientific gobbledygook, like nitrous oxides,
 23 volatile organic compounds, carbon monoxide;
 24

Cape Wind Energy Project - March 13, 2008

1 repetition.

2 It did seem critical in the
 3 beginning to assess the possibility of a wind
 4 farm for Cape Cod, so we went to Denmark, and
 5 we saw what a wind farm looks like. We talked
 6 to the people whose lives were affected, and
 7 we brought the films back to Cape Cod. They
 8 are available, and I urge everybody to take a
 9 look at them.

10 For those of you who are still
 11 clinging to the fear that this is not going to
 12 be a benefit to all of us, I think it's
 13 perhaps an element of human nature, because we
 14 can look at history and we can show how hard
 15 it is for some to accept the new and change,
 16 no matter how wise and wonderful history
 17 proves the change.

18 When we were in Denmark, we talked
 19 to the people, and they were just as concerned
 20 about the wind farm, the offshore wind farm,
 21 as many residents of Cape Cod are now. But
 22 with the wind farms in and running, the
 23 mayors, the Realtors, the tour guides, the
 24

1 **Cape Wind Energy Project - March 13, 2008**

2 naturalists, and the fishing communities were
3 wholly supportive, without reservations or
4 regrets.

5 If we look at history, we see that
6 the American Revolution was unpopular with
7 many. Historians estimate 15 to 25 percent of
8 the colonists remained loyal to the British
9 Crown. The Statue of Liberty, the symbol of
10 American spirit and will, was revisited and
11 delayed because, as newspapers declared, it is
12 neither an object of art nor beauty.

13 Our own Cape Cod National Seashore
14 was hugely debated and contentious, and many
15 people thought it spelled doom because of the
16 economic effects it would have for Cape Cod.

17 We need this change. We need Cape
18 Wind. It's absolutely essential to the health
19 and welfare of Cape Cod, and as our shoreline
20 recedes, it should be very much obvious to us.
21 Indeed, it's necessary for all of America to
22 move wind technology forward. Thank you very
23 much for your good work.

24 MR. MOORE: Thank you.

1 **Cape Wind Energy Project - March 13, 2008**

2 MR. FREEMAN: (Singing) "Hey,
3 Massachusetts, it's been three years since
4 we've been here. Here comes the wind, her
5 comes the wind, and I say it's about time."

6 I apologize to all the good
7 environmentally minded people taken in by the
8 cleverly and expensively crafted lies spread
9 by the opposition. Their stories sound
10 believable until held under the bright light
11 of truth. Real-life examples in Europe speak
12 so much louder than words. Even wind farm
13 foes know we need a revolution in how we
14 acquire our power. Presently only 3 1/2
15 percent of New England's electricity is clean,
16 renewable, and sustainable. The time for this
17 revolution is here. It is now.

18 (Singing) "Renewable energy
19 revolution, well, you know, we all want to
20 change the world. If you say you'll just go
21 right on polluting, well, you know, you'd
22 better change your mind instead. But when you
23 go talking about burning oil and coal, don't
24 you know that you can count me out. You know

1 **Cape Wind Energy Project - March 13, 2008**

2 it's going to be all right, wind renewables
3 light up the night. The truth is taking a
4 beating in this light. Don't believe the
5 lies, don't believe the hype. Clean energy is
6 the solution. Well, you know, common sense is
7 the plan. A wind farm makes a contribution.
8 Well you know, we're all doing what we can.
9 But if you're against wind farm in Nantucket
10 Sound, you're not only out with what's going
11 down. And you know it's going to be all
12 right."

13 MR. MOORE: I have to say, I never
14 knew when I was going to be facilitating this,
15 this was the Oscars and Grammys all rolled up
16 in one.

17 Next, No. 38.

18 CONNIE CONDON: The mobile fishing
19 vessels have Massachusetts coastal access
20 permits endorsed with both squid and fluke.
21 They fish on Horseshoe Shoals or on Nantucket
22 Sound from April 23rd to June 9th every year.
23 A study from the Mass. Department of Marine
24 Fisheries show that all squid landed in

1 **Cape Wind Energy Project - March 13, 2008**

2 Massachusetts is taken from Nantucket and
3 Vineyard Sound. The Horseshoe Shoals is
4 identified as the second most trawled area in
5 Nantucket Sound. The exclusive mobile gear
6 fishermen were never identified by Cape Wind
7 environmental impact statements. The
8 Gloucester Fishermen's Wives Association is
9 opposed to the wind farm.

10 I would like to remind the lady
11 that I cannot believe for one fraction of a
12 second that the people of the United States
13 are going to be flocking to the Cape and
14 Islands to view wind turbines.

15 And the other thing, the gentleman
16 that spoke about the beautiful paintings at
17 the museum that had all those windmills on
18 them: The difference was, those windmills
19 were on land.

20 MR. MOORE: No. 43? I'm sorry, 39.
21 We need 41, 42, and 43 up here, if we don't
22 have them.

23 MR. HEMENWAY: Todd Hemenway, South
24 Dennis. You've heard enough from me about

Cape Wind Energy Project - March 13, 2008

1 inflated wind data, disastrous sight lines,
 2 safety, and history. I'll now look forward.
 3
 4 The alternative sites proposed are
 5 equally as farcical as the Horseshoe Shoal.
 6 The Monomoy Shoal is the entrance to the sound
 7 from the outside. The Tuckernuck Island site
 8 is almost as absurd. Putting a large
 9 industrial park on top of Nantucket Island
 10 would be criminal. The only reason for these
 11 three proposed sites is the need for shallow
 12 water in which to place monopole turbines.
 13 A clear alternative already exists.
 14 Offshore deepwater floating platforms have
 15 been in use for the oil industry for some
 16 time. The MMS knows this better than anybody.
 17 The platforms proposed by the Blue
 18 H are built on land and towed to the site.
 19 They're held by chains and simple flat
 20 counterweights resting on the ocean floor.
 21 The savings in decommissioning are obvious.
 22 The winds offshore are more constant and less
 23 turbulent.
 24 No one disagrees with the need for

Cape Wind Energy Project - March 13, 2008

1 clean energy. However, the Cape and Islands
 2 are a sacred place, and there is no earthly
 3 reason to defile them simply for the
 4 expediency of shallow water.
 5
 6 MR. MOORE: Thank you. No. 40.
 7 43, 44, 45, and 46, if you would come up,
 8 please. Thank you, sir.
 9 MR. PECKHAM: My name is Stephen
 10 Peckham. I've lived on the Cape and Islands
 11 for almost all of my 57 years and have sailed
 12 the waters of Nantucket Sound for the better
 13 part of my life. There's been a lot in the
 14 news lately about another state's highest
 15 public officials being associated with a
 16 prostitution ring for almost ten years.
 17 Well, New Jersey has nothing on old
 18 Cape Cod. Going on for almost ten years now,
 19 there's a well-known ring of so-called
 20 alliance whose primary mission has been to
 21 screw the citizens of the Cape and the state
 22 out of being able to benefit from cleaner air,
 23 water, fish, and food, not to mention the
 24 damaging effect of delaying and possibly

Cape Wind Energy Project - March 13, 2008

1 losing the prospect of a new and promising
 2 industry for our state and thousands of new
 3 jobs in the renewable energy field.
 4
 5 Fortunately, our good Governor
 6 Deval Patrick is a man of integrity and a
 7 visionary leader, as he recognizes the value
 8 of clean, renewable energy. He understands
 9 how important and significant Cape Wind is for
 10 us all.
 11 The Alliance organization has waged
 12 a seedy campaign of spreading infectious and
 13 contagious diseases of deception, deceit,
 14 fear-mongering, misrepresentation, and,
 15 deadliest of all, the lie.
 16 The solicitous few souls working
 17 for the billionaire and millionaire coal and
 18 oil Johns, who live part-time in the Cape's
 19 most exclusive and expensive neighborhoods,
 20 are paid meager salaries of 100 to 200
 21 thousand dollars plus benefits and, of course,
 22 bonuses to corrupt the minds of the gullible
 23 and the uninformed, spreading such infectious
 24 germy gems of the affluent effort as the

Cape Wind Energy Project - March 13, 2008

1 project will decimate the tourist industry on
 2 Cape Cod, real estate values will plummet,
 3 especially McMansions.
 4
 5 Sharing in this evasive and
 6 repugnant, shameful sham of blatant hypocrisy
 7 are a few Senators and Representatives who are
 8 still fighting this project to protect the
 9 view of a few. Think of that next time you
 10 vote. I heartily support this project and
 11 trust MMS will have the forbearance to
 12 continue --
 13 MR. MOORE: Time's up.
 14 MR. PECKHAM: -- to effectively,
 15 expeditiously, and prudently to complete the
 16 review, thank you.
 17 MR. MOORE: 41? 42.
 18 MR. GALLAGHER: Hi. My name is
 19 Bernie Gallagher. I'm here tonight from New
 20 York because I care about the consequences if
 21 a wind farm is built in Nantucket Sound. For
 22 me it's a humanities issue, one with profound
 23 historical implications, and moreover not so
 24 far-fetched as it may seem. I refer to the

Cape Wind Energy Project - March 13, 2008

1 hypothesis that the conditions in and around
2 Nantucket Sound are the best explanation to
3 account for a particular course of events as
4 told in the Greenlanders' saga.

5 The story falls into a category of
6 Icelandic writing that is considered a moral
7 in world literature, and within this group,
8 these stories have been accorded a special
9 status. Furthermore, the Finland sagas are a
10 testament of another marvel, that is the
11 ability of Norse mariners to navigate the
12 North Atlantic and find their way to
13 particular places. The settlements in
14 Greenland highlight this achievement.

15 Both accomplishments bespeak a
16 linguistic tradition, one with a high capacity
17 to master the complexities of description, and
18 thus we should not preclude the ability for
19 them to place their event in one part of the
20 world and not in another.

21 From a historical perspective I
22 will repeat a statement of R.G. Collingwood.
23 He wrote The Idea of History. He's a

Cape Wind Energy Project - March 13, 2008

1 Liedell, and I'd like to first mention that
2 tonight oil is presently \$110 a barrel. In
3 the year 2001, when this project was first
4 proposed, oil was \$20 a barrel. In other
5 words, it's five and a half times what it was
6 then. Also, in the MMS economic analysis, I
7 think that you based the data on more than a
8 year ago to more than three years ago, and I
9 suggest that you update the oil pricing with
10 the current data.

11 I commend MMS for your
12 comprehensive, thorough, and factual DEIS that
13 proves Cape Wind's proposed project is in the
14 best location and using wind is the optimum
15 way to generate electricity in an
16 environmentally responsible way.

17 First, about detail: The
18 monitoring and adaptive and environmental
19 management system which MMS proposed and to
20 which Cape Wind agreed will ensure there are
21 no missteps during construction or operation
22 and that Cape Wind will react promptly and
23 correctly to changing conditions.

Cape Wind Energy Project - March 13, 2008

1 philosopher and historian. "No one knows
2 what's going to be useful as evidence except
3 in relation to some definite question."
4 Another point by Edward Casey, a professor at
5 Stony Brook, that (inaudible) a primary way
6 the natural world organized itself in our
7 experience.

8 The developers say that they want
9 this site because of the conditions, the
10 winds, the shallows, and the shoals. It makes
11 it economical. What they would like us to
12 ignore is that it's actually a place with its
13 own history, not in different space.
14 Nantucket Sound is a vital part of our
15 historical landscape. I live in Long Island
16 City, New York, and I live there year round.
17 Nantucket Sound is part of my cultural back
18 yard. What they want is a site, and I welcome
19 them to almost anywhere, but not a place
20 within an exceptional region and one that
21 merits national historic landmark status.

22 MR. MOORE: Thank you very much.

23 MR. LIEDELL: My name is James

Cape Wind Energy Project - March 13, 2008

1 Second, the DEIS concluded Cape
2 Wind will have a beneficial impact on air
3 quality in the Cape Cod region. This is
4 extremely important, because Cape Cod has the
5 worst air quality in Massachusetts. In fact,
6 due to its tailpipe configuration location,
7 Cape Cod has 50 percent poorer air quality
8 than anywhere in or near Boston.

9 Third, Cape Wind will contribute \$5
10 million in compensatory mitigation payments,
11 780,000 towards the restoration of Bird Island
12 and 4.22 million managed by the Massachusetts
13 Coastal Zone Management Office in consultation
14 with other state agencies.

15 I see my time is short. I
16 encourage you to expand on the Cape Wind's
17 benefits in your final EIS. Thank you.

18 MR. MOORE: Thank you very much.

19 MS. CONNETT: I'm Diana Connett.

20 I'm an energy associate with Environment
21 Massachusetts. Environment Massachusetts is a
22 statewide, citizen-based environmental
23 advocacy organization. I want to take just a
24

Cape Wind Energy Project - March 13, 2008

1 quick moment to apologize to Mr. Cluck. We
 2 were the ones who crashed your email inbox
 3 with pro-Cape Wind emails. Sorry.
 4
 5 Cape Wind represents a huge step
 6 towards new energy future. The question is
 7 not, do we want Cape Wind or no? The question
 8 is, do we want Cape Wind or more and dirty
 9 fossil-fueled power? A renewable energy
 10 future, or a fossil-fuel-laden past? Choosing
 11 the past means more dirty coal plants, more
 12 oil dependency, more global warming and smog
 13 pollution, and more energy bills determined by
 14 world events. Environment Massachusetts
 15 chooses the future. That means embracing wind
 16 power. Wind is an abundant renewable resource
 17 found right here in Massachusetts. Choosing
 18 the future means choosing Cape Wind. Thanks
 19 to the MMS and the more than 16 local, State,
 20 and Federal agencies that have reviewed the
 21 project, the record is clear: The project is
 22 good for the environment and good for
 23 consumers.

24 As the first proposed offshore wind

Cape Wind Energy Project - March 13, 2008

1 farm in the United States and, at the time it
 2 was proposed, the largest in the world, Cape
 3 Wind will set a clean-energy precedent for the
 4 Northeast and for America. Coming off the
 5 shores of a state like Massachusetts, that
 6 gets more than 94 percent of our energy from
 7 dirty sources, like coal, oil, gas, and
 8 nuclear, Cape Wind will help launch
 9 Massachusetts into the vanguard of states
 10 leading the 21st century clean energy economy.

11 If we build Cape Wind, we open the
 12 door to more wind power and more clean energy
 13 projects. If we reject it, we are choosing to
 14 live in the energy past: more fossil-fuel,
 15 nuclear power, more pollution, and more energy
 16 dependence. We are choosing our future, and
 17 we hope that you will as well. Thank you for
 18 your time and your thorough review.

19 MR. MOORE: Thank you very much. I
 20 want to make sure that we have 46, 47, 48, 49
 21 come up front. Yes, sir, please.

22 MR. REGAN: Good evening. I'm
 23 Jamie Regan. I'm a citizen of Mashpee. I'm

Cape Wind Energy Project - March 13, 2008

1 on the Cape Cod Chamber of Commerce as a
 2 member. I'm former president of the Mashpee
 3 Chamber of Commerce, and president elect of
 4 the Cape and Islands Association of Realtors
 5 and a member of the Mashpee Yacht Club and a
 6 radio talk show host on WXTK.

7 This project has brought a lot of
 8 controversy and comment, to say the least, and
 9 I come tonight to speak as a local Realtor who
 10 works the shores of Pompanoosuc and Cotuit,
 11 where today you can see the test wind tower.
 12 I'm also a fisherman, and I've been out to
 13 Horseshoe Shoals, and I'm afraid of what could
 14 happen, even though we do need alternative
 15 energy.

16 Not now, not Cape Wind, not there.
 17 Many people have gone out to Horseshoe Shoals
 18 and released ashes of their loved ones. The
 19 native Americans say there's a possibility of
 20 their relatives buried there.

21 Residents, retirees, and
 22 second-homeowners have come to enjoy Cape
 23 Cod's views and recreation for decades.

Cape Wind Energy Project - March 13, 2008

1 Property values are related to what beach
 2 access is and the quality of life the
 3 community offers. With the chaos of
 4 construction and, God forbid, an oil spill or
 5 a leak or a wipe-out by natural causes,
 6 homeowners would suffer.

7 We cannot have a 40,000-gallon
 8 platform the size of Stop & Shop in the middle
 9 of a steel forest that includes 130 towers the
 10 size of the Statue of Liberty scattered over
 11 24 miles the size of Manhattan. Yet the
 12 pro-people for this project say vision and not
 13 view. The tourists come to our economy and
 14 spend money to see the way it is. If we have
 15 a hurricane, this project could be scattered
 16 on our shores and we would not be able to have
 17 the tourist environment that we've had for
 18 years.

19 MR. MOORE: Thank you very much.
 20 The next speaker?

21 MR. KURPIEWSKI: My name is John
 22 Paul Kurpiewski. I'm here tonight as a
 23 scientist, an engineer, a concerned citizen,

Cape Wind Energy Project - March 13, 2008

1 and a student, in strong support of the Cape
2 Wind project.

3 In 2003 I graduated magna cum laude
4 from Columbia University with a major in
5 mechanical engineering and a minor in
6 economics. I subsequently received my
7 master's of science from MIT in the Laboratory
8 for 21st Century Energy. As a student I took
9 course work in energy conversion systems and
10 environmental economics, establishing my
11 expertise to speak intelligently on this
12 issue.

13 As a scientist I hold a patent in
14 the application of nanotechnology, to fuel
15 cells, which I developed with the intent to
16 store clean energy and stem global warming.

17 As an engineer, I used my personal
18 time off today from a major defense contractor
19 to speak on this issue of importance to me.
20 My job as a project leader is to evaluate
21 technologies and complete trade studies. I
22 reviewed the DEIS, and agree with the MMS in
23 that the Cape Wind social and environmental
24

Cape Wind Energy Project - March 13, 2008

1 I've studied the wind records here,
2 and I have in this case two weeks, where one
3 is 10 knots and the other is 18 knots. And
4 for these two weeks, we have only two days
5 when the wind is enough to reach the 182
6 megawatts specified in the DEIS.

7 For the remaining 12 days, if the
8 wind is even enough to turn over the turbine
9 blades, there is only on the order of 22
10 megawatts average, at 10 knots, which only
11 amounts to 15 percent of the average power
12 claimed in the DEIS.

13 Now, the average power requirement
14 is 230 megawatts, according to NSTAR, and with
15 this the case, 22 megawatts would not go very
16 far to supplying the average overall domestic
17 and industrial needs of the Cape.

18 Now, where did this figure come
19 from, 182 megawatts? It came from the Cape
20 Wind FEIS, which gave the figure of 1.6
21 million hours of energy per year. And divide
22 this by 365 and 24, you get the average power
23 generated, 18 knots, 182 megawatts. Is it a
24

Cape Wind Energy Project - March 13, 2008

1 benefits outweigh any adverse impacts.

2 As a concerned citizen, finally, I
3 see the Cape Wind project as an excellent
4 opportunity to develop clean, proven
5 technology to reduce reliance on fossil fuels
6 and better our future.

7 I commend the MMS for their
8 positive assessment of the project and hope
9 the final report expresses similar views.
10 Thank you for your time.

11 MR. MOORE: Thank you very much.
12 No. 41.

13 MR. EKSTROM: Good evening. I am
14 Ken Ekstrom, and I do research at MIT. And I
15 submit to you that the executive summary in
16 the MMS DEIS is predicated on a scientifically
17 incorrect data point.

18 In the first sentence of the MMS
19 DEIS, the average power output is given as
20 182.6 megawatts for the wind farm, and
21 according to the power curve for the turbine,
22 this amounts to 18 knots of average wind.
23 That's 24/7, 365 days per year.
24

Cape Wind Energy Project - March 13, 2008

1 coincidence this is the same figure that was
2 reported in the first sentence of the
3 executive summary?

4 So then the average power figure in
5 the DEIS is taken directly from the CWP final
6 environmental impact statement, with no
7 independent evaluation of the actual amount of
8 wind that would supply the turbines with
9 kinetic energy. Thank you.

10 MR. MOORE: You might want to
11 submit that, since it's got a lot of technical
12 data. You can give it to my colleague there.

13 I think we're at 46? 45?
14 No. Below 47? Sir, you're on.

15 MR. FERRO: My name is Michael
16 Ferro, from Dennis, Massachusetts, Cape Cod.
17 I'd like to say it's very shameful that the
18 powers that be outside the area the Cape and
19 Islands is so willing to sell us out for wind
20 turbines once in operation that's going to be
21 subsidized by the Federal Government. I don't
22 feel that that is fair.
23

24 But that is not what I came here to

Cape Wind Energy Project - March 13, 2008

1 talk to you about. I went through a report
2 that they quoted an incidence of structural
3 failure with wind turbines over a 13-year
4 period from 1993 to 2006. This brings to the
5 point that on those failures every one of them
6 leaked oil. If that is what we want in our
7 sound, and you take that with the knowledge
8 that our fisheries are important there, and
9 you take that and you go to your own report
10 what the Federal Government is doing, on the
11 body of evidence on the fisheries, it just
12 didn't make sense to have that kind of
13 situation in a water body.

14 I am for renewable energy, but on
15 land there is a certain -- though it's bad to
16 have anywhere, dumping on the ground, it's
17 probably more containable and controllable on
18 land. That's just basic logic. That's all I
19 have to say. Thanks.

20 MR. MOORE: For everyone who has
21 their card, when you bring your card, be sure
22 you give it to the folks up here with your
23 name on it, and that will really help Alan in

Cape Wind Energy Project - March 13, 2008

1 one of our best natural resources on the
2 Eastern Seaboard makes absolutely no sense at
3 all.

4 You do not plow under a part of the
5 environment in order to try and save the
6 environment. It makes no sense at all, and I
7 am opposed to this proposal 100 percent.
8 Thank you very much.

9 MR. MOORE: 51? 49. Great.

10 AUDIENCE MEMBER: My name is not
11 important. I am here representing the youth.
12 The youth of this state are planning a massive
13 climate convergence of climate activists in
14 Boston from April 11th to the 14th. It's
15 called Massachusetts Power Shift,
16 masspowershift.org. You should all come.

17 I would apologize for the shameless
18 plug, but at this point I have no shame. I
19 have no shame because we are facing a
20 planetary crisis. Every single person in this
21 room has admitted that we are facing a
22 planetary crisis, and we have spent the past
23 seven years debating and arguing as our ship

Cape Wind Energy Project - March 13, 2008

1 doing his reporting.

2 So 48. And then we want to make
3 sure we have 49, 50, 51, and 52 up here.

4 MR. BARRETT: Good evening. My
5 name is Tim Barrett. I am a commercial
6 fisherman. I don't live on the Cape. But a
7 large amount of my income comes from fishing
8 within Nantucket Sound and Horseshoe Shoal.

9 I've been a commercial fisherman
10 for 30 years, I have held my captain's license
11 for 20, and I have fished throughout Nantucket
12 Sound since I was four years old, I've fished
13 there commercially for the last 25 years. And
14 I am opposed to Cape Wind's proposal for a
15 wind farm on Nantucket Sound. It makes
16 absolutely no sense at all to destroy a
17 pristine natural habitat in the name of trying
18 to save the environment.

19 Alternative energy is where this
20 nation has to go. We have to reduce our
21 dependency on foreign oil. We have to reduce
22 our emissions of greenhouse gases. But to
23 take this project and site it in the middle of

Cape Wind Energy Project - March 13, 2008

1 has been sinking. We've been debating and
2 arguing how ugly the bucket is.

3 I have a very simple message from
4 the youth: Pick up the fucking bucket and
5 start bailing. Thank you.

6 MR. MOORE: Next, 50. 52, 53, 54,
7 and 55, if you'd come up here, please.

8 MR. RODGERS: My name is Mark
9 Rodgers. I'm communications director of Cape
10 Wind. This being my fourth hearing of this
11 week, but the first time speaking, I want to
12 thank officials from the MMS for patiently
13 listening to the testimony of these four
14 nights.

15 One thing that's really struck me
16 listening, particularly in the first hour of
17 tonight's hearing, when we were hearing from
18 supposedly elected officials, many of whom I
19 noted were not elected, and almost none of
20 whom were here in person but rather were
21 having statements read by members of the
22 opposition group, were that these were the
23 same statements that I had heard read last

1 Cape Wind Energy Project - March 13, 2008

2 night, the night before, and the night before
3 that. So clearly they were not intended for
4 you, the MMS because you've heard them
5 already.

6 I think it's also true that, while
7 some of the supporters who have spoken
8 tonight, many more of the opponents who have
9 spoken tonight have also spoken at previous
10 hearings, making the same points they did at
11 previous nights. It's not for the MMS. I
12 don't even think it's for other people that
13 came tonight. I think it was to work time off
14 the clock so that many people who came tonight
15 when the hearing actually started would draw
16 speaking numbers so high that they would not
17 be called tonight and have a chance to share
18 their thoughts for the first time. And I do
19 think that's a shame.

20 I feel privileged for the past six
21 years to have been able to speak to thousands
22 of people about the Cape Wind project, and I
23 am encouraged that there's a growing and
24 overwhelming majority here in the Commonwealth

1 Cape Wind Energy Project - March 13, 2008

2 of Massachusetts recognizing that now is the
3 time to take action on global warming, energy
4 independence, and building a clean energy
5 economy and starting in a big way by approving
6 and then building Cape Wind. Thank you.

7 MR. MOORE: Thank you very much.
8 Please.

9 MR. WIERSMA: Good evening. My
10 name's Josh Wiersma. I'm a Ph.D. candidate at
11 the University of Rhode Island, Department of
12 Environmental and Natural Resource Economics.

13 Over the course of the last eight
14 months I've conducted an economic valuation of
15 the Horseshoe Shoals area as a mobile gear
16 fishing grounds. My interest in this project
17 is from the standpoint of trying to understand
18 economic efficiency as it applies to
19 incomplete property rights in the ocean.
20 The results of my research will be included as
21 a chapter in my dissertation, and I was
22 invited to present my study at an
23 international conference on fisheries
24 economics and trade held this summer in

1 Cape Wind Energy Project - March 13, 2008

2 Vietnam.

3 A type of contingent-valuation mail
4 and telephone survey was administered to the
5 population of mobile gear fishermen who hold
6 Massachusetts coastal access permits endorsed
7 for squid and fluke, 146 mobile gear
8 fisherman. These endorsements grant these
9 fishermen exclusive access to fish in
10 Nantucket Sound or Horseshoe Shoals.
11 Forty-eight mobile gear fishermen were
12 contacted by phone or mail, and 34 of these
13 fishermen said that they annually fish in
14 Horseshoe Shoals and agreed to take the
15 survey.

16 The contingent valuation scenario
17 invites fishermen to enter into a lawsuit
18 against Cape Wind for possible compensation if
19 the rights to develop a wind farm are granted
20 for this area. Thirty-two of the 34
21 commercial fishermen agreed that they had
22 historical evidence of fishing in this area
23 and agreed that they would take part in this
24 lawsuit regardless of whether or not the wind

1 Cape Wind Energy Project - March 13, 2008

2 farm remained open to mobile gear fishing. A
3 policy-relevant compensating surplus measure
4 of welfare where a total economic loss was
5 estimated based on the scenario. The total
6 economic loss of Horseshoe Shoals discounted
7 over the life of the project if the wind farm
8 remained open to mobile gear fishing is
9 approximately \$8.2 million. The total
10 economic loss for the second scenario, that
11 the wind farm is closed to mobile gear
12 fishing, is approximately \$13.3 million.

13 In addition, an economic impact
14 model developed by the National Marine
15 Fisheries Service was used to estimate the
16 multiplier effect or ripple effect of a loss
17 in(inaudible) landings from medium-sized
18 trawlers to local businesses. On average a
19 loss of \$1 would produce a \$3 loss to
20 supporting businesses in the local economy.
21 Cape Wind's analysis of \$15,000 over the last
22 of the project is wrong, and does not
23 equate economic efficiency with mobile gear
24 fisherman and a wind farm.

Cape Wind Energy Project - March 13, 2008

MR. MOORE: You need to finish.

MR. KLEEKAMP: Hello, Chuck

Kleekamp, registered professional engineer, vice-president, Clean Power Now, Sandwich, with that Canal plant and its 500-foot smokestack in my back yard.

I would like to suggest that MMS include a perspective on the issue of intermittency, energy storage, and fuel availability with respect to wind. As such, contrary to popular opinion, the wind will add considerable energy during two peak-use periods. For example, during the cold-snap crisis of January of 2004, there was over 2,000 megawatts of natural-gas-fueled generation offline because the pipeline had limitations insufficient for both heating and electric generation, both diesels reduced and switchyards enabled on the verge of invoking rolling blackouts. During that period, according to a Federal Department of Energy report, the wind farm would have been producing over 350 megawatts.

Cape Wind Energy Project - March 13, 2008

and I haven't come here to represent anyone else besides myself. I have a midterm to study for, so I'm going to make this quick. I support Cape Wind. I have weighed the arguments carefully against this project, and I have found them wanting. Many are well-argued, and some are even well worth our consideration, but far, far more are shortsighted as they're contrived. No one here would say they oppose renewable energy. Indeed, many have voiced their support for it. Yet few want it in Cape Cod, for no one wants it in their own back yard.

So I ask, who will find a location with anything like the advantages of this site, its conditions, its feasibility, but most importantly, its visibility? Its visibility and its history. This will be the wind farm heard 'round the world, a fire bell in the nights, a chance for Cape Cod, for Massachusetts, for this nation to rise to the challenge of global warming, to say no, we will not go quietly to the edge of night, we

Cape Wind Energy Project - March 13, 2008

During the summer, the last ten hot peak demand days the wind farm would have been producing over 300 megawatts at the peak hour of the summer sea breezes during those demand hours.

In terms of energy storage to complement wind, Massachusetts has over 1,600 megawatts of pumped hydrostorage, equivalent to 13 percent of the total Massachusetts generation capacity. As such, it could serve as an existing complement to wind.

For a country addicted to oil, it is unconscionable, and indeed insane, that we would burn 100 million gallons of oil at the Canal plant every year when we could be avoiding that use with the equivalent use of much lower-cost wind power from Nantucket Sound. I believe these ugly oil stations will become the rusting hulks of the future, not the magnificent wind turbines. Thank you.

MR. MOORE: Thank you. Next speaker.

MR. BEATTY: My name's John Beatty,

Cape Wind Energy Project - March 13, 2008

will not put our head in the sand, and we will not cling to our pride and continue to oppose this project. Thank you.

MR. MOORE: If you've got your statement, it would be helpful for us to have it, please. Thank you.

No. 55. 56, 57, 58, 59, and 60, if you would also come up. Thank you, sir.

MR. COTTER: My name is Damion Cotter, and I am a student that works for the MassPIRG. I'm in favor of this project. Go with the wind, endless possibility of self-sufficiency. Let nature use this as an opportunity. Sensibility, conservative conservation, stationed to save ourselves. Open the buffet to feed on the jobs, and stock the loving of the earth and ourselves. There's a plate for everybody. Dig in. Sustain sustenance, both probability. This would be the most beautiful thing to see. This is what we need to stay alive. Can you see the most basic form of human drive? Have we got so blind? Do we think short-term

1 **Cape Wind Energy Project - March 13, 2008**

2 beauty that we want to see is what we really
3 need? As my friend Laura would say, are we
4 boiling today in this global warming issue?
5 Are you all willing to boil for unobstructed
6 scenery? You must ask yourself the question
7 of how long you want your summer house on the
8 beach, because if this self-sustainable energy
9 doesn't start to happen, then it could very
10 well be under water.

11 All I say is barter a little
12 scenery for hot water, new jobs, new stock,
13 electric fun park, all guilt-free. Come on,
14 people. Power the proceed to sensibility.

15 So you're saying yes to clean
16 power, just not here, just not this way.
17 Where, my friends, in what way? Okay, you say
18 you want Federal policy. I agree, but there
19 are always negative stipulations that come
20 with the overall positives, you see.
21 Understand that this would be the start of the
22 East Coast revolution to stop pollution,
23 bridging the gap nationally. We must fill the
24 gap with self-sustainability. I hear the

1 **Cape Wind Energy Project - March 13, 2008**

2 Alaska. We filed a case a few weeks ago
3 against the biggest greenhouse gas polluters
4 in America and major fossil fuel interests.
5 This village used to be Arctic sea ice that
6 protected it from winter storms. That Arctic
7 sea ice is so diminished now that the village
8 has a massive erosion problem and must move or
9 be destroyed, and their culture and their way
10 of life ceases to exist. We're seeking
11 monetary damages in that case to move the
12 village, hundreds of millions of dollars.

13 Point 2, Kivalina may be a canary
14 in the coal mine for places like the Cape and
15 Islands. I've been going to the Cape and
16 Islands all my life, and I love it dearly, and
17 I own a house on the Cape. And I have to note
18 the extraordinary irony of seeing outrage
19 against a developer who is trying to do
20 something good, when for the last 30 years I
21 have watched the Cape be bulldozed and forests
22 felled and habitats destroyed and ugly strip
23 malls built all over the place, and not --
24 when something good is proposed, anger emerges

1 **Cape Wind Energy Project - March 13, 2008**

2 sound of the voice that will save our nation,
3 our world, our children's lives. Please
4 consider Cape Wind as a start of a revolution.

5 MR. MOORE: Thank you.

6 MR. PAWA: My name is Matt Pawa. I
7 represent Clean Power Now. I'm an attorney.
8 It's good to be with you. Thank you for your
9 attention.

10 Clean Power Now congratulates you
11 on the excellent and thorough job you have
12 done so far on the environmental impact
13 statement process and urges you to keep up the
14 good work.

15 Two points, not really legal
16 points. I really can't add to the excellent
17 job done by the Conservation Law Foundation.

18 The first point -- and this is
19 probably the first time a client of mine has
20 asked me to speak about a different client --
21 is that I represent a village that's being
22 destroyed by global warming. It's called
23 Kivalina, and it's a native village of 400
24 Inupiat Eskimos in the Arctic Circle in

1 **Cape Wind Energy Project - March 13, 2008**

2 against a developer. I am dumbfounded. When
3 you stand on the beach with your back to the
4 land looking out at the ocean, you won't
5 hardly see these windmills, but you will see
6 behind you when you turn around a whole lot of
7 pavement, what used to be beautiful landscape.

8 MR. MOORE: Thank you. No. 57?

9 MR. BARCLAY: Thank you. My name
10 is David Barclay. I'm the executive officer
11 of the Northeast Sustainable Energy
12 Association. We're located in Massachusetts,
13 and we have a chapter on Cape Cod.

14 I just spent the last three days
15 here in Boston at the largest sustainable
16 energy conference in the Northeastern United
17 States. At that conference we were addressed
18 by Governor Patrick. He expressed his
19 resounding support for renewable energy wind
20 projects, including this one at Cape Wind.

21 It is our belief that clean energy
22 production on the outer continental shelf is
23 perhaps the single most important and positive
24 development ever proposed in the Northeastern

Cape Wind Energy Project - March 13, 2008

1 United States. We commend you for your
2 exhaustive review of the Cape Wind proposal.
3 Your report, as I read it, has found Cape Wind
4 to be overwhelmingly positive. And as I
5 counted the construction and operational
6 impacts, what I read was that, of 117 various
7 impacts, 110 of them were classified as either
8 minor or negligible or having no impact
9 whatsoever. The remaining seven were
10 articulated as ones that could be addressed
11 through mitigation. None of the impacts were
12 reported to be critical or overly invasive.

13 As we consider the realities of
14 climate change, and they are very difficult
15 realities that face us, we have to make real
16 choices to reduce our reliance on fossil
17 fuels. I want to give one quick example to
18 get a sense of how difficult that is to do.

19 The largest private purchaser of
20 electrical power in the world is Wal-Mart.
21 They are investing half a billion dollars to
22 reduce their energy consumption and greenhouse
23 gases over the next seven years, and yet the

Cape Wind Energy Project - March 13, 2008

1 Sargent signed into law a consolidated bill
2 establishing the Cape Cod Bay and Cape and
3 Islands Oceans Sanctuary, which set out to
4 protect the economic asset that the national
5 natural environment represented. The State
6 also asserted jurisdiction over the central
7 waters of Nantucket Sound, the hole in the
8 doughnut, so we've come to know it.

9 In 1980 the Mass. Secretary of
10 State and the Attorney General nominated the
11 central waters as a national marine sanctuary,
12 indicating that the State and Federal waters
13 constitute one integrated ecosystem whose
14 living resources use the entire Nantucket
15 Sound area, without knowledge or consideration
16 of political boundaries.

17 To add to the 1980 decision, the
18 Commonwealth found that Nantucket Sound
19 contains distinctive ecological, recreational,
20 historic, and esthetic resources that form the
21 basis of the predominant economic pursuits of
22 the area, fishing and tourism. Why is there
23 any doubt about the policy objectives for the
24

Cape Wind Energy Project - March 13, 2008

1 CO₂ emissions from one medium-sized coal-fired
2 power plant in just one month of operation
3 each year would negate Wal-Mart's entire
4 effort.
5

6 It's very important. We must use
7 every tool in our tool bag. We ask you to
8 find in favor of Cape Wind. Thank you.

9 MR. MOORE: Could we have 60 to 65
10 come up front, please.

11 MR. BUSSIERE: Thank you. My name
12 is Rob Bussiere, proud co-founder of Windstop.
13 I am a resident of Mashpee, Mass., where I
14 work and sail the waters of the vineyard and
15 Nantucket Sound. I oppose this project and
16 present these comments for the record.

17 The applicant, Cape Wind, has not
18 shown that they have clear and verifiable
19 ownership of the property defined in their
20 permit request. On the Cape, when I built
21 homes, I was required to have clear legal
22 title to the property I was building on. Why
23 does Cape Wind get a pass?

24 In 1971 then Governor Francis

Cape Wind Energy Project - March 13, 2008

1 use and protection of Nantucket Sound?
2

3 In closing, and being from the
4 school of if you are not part of the solution
5 you must be part of the problem, I offer that
6 the windiest location in Mass. right now is
7 just up Route 128, at the Blue Hills area. So
8 Mr. Gordon, maybe you and Marty the business
9 agent can convince some of the nice people of
10 Milton to give you 24 square miles to install
11 our power plant. It should be a slam dunk, a
12 no-brainer.

13 MR. MOORE: Thank you. 60. 59.

14 WILLIAM GRISWOLD: I first want to
15 thank Ms. Borholdt, Mr. Cluck, Mr. LaBelle for
16 your bravery and courage in running through
17 four nights of this. I'm William Griswold, on
18 Cape Cod. I'm a member of Clean Power Now.

19 As you may have noticed, when the
20 Alliance to Protect Nantucket Sound runs out
21 of facts, they move quickly to untruths. The
22 latest untruth being spread by the Alliance is
23 the idea that if the Cape Wind project is
24 built, the cost for electricity paid by

Cape Wind Energy Project - March 13, 2008

1 consumers will be two or three times higher
2 than it is today. This is apparently based on
3 a comment in Appendix F of the draft MMS
4 report, stating that the wholesale cost of
5 electricity in our region is 6 cents per
6 kilowatthour. Of course, consumers could not
7 pay the wholesale price. Consumers pay the
8 retail price.

9 The suggestion by the Alliance that
10 the wind farm proposed for Nantucket Sound
11 will increase electricity prices flies in the
12 face of facts. In Europe over the past ten
13 years the amount of electricity being produced
14 by wind turbines has increased by an
15 astounding average of 30 percent per year for
16 ten years. This rate of growth could not have
17 been sustained if wind power was uneconomic.

18 In the USA wind turbines accounted
19 for 30 percent of the new
20 electricity-generating capacity installed in
21 2007. This 30 percent market share could not
22 have been achieved if wind turbines were
23 uneconomic.
24

Cape Wind Energy Project - March 13, 2008

1 In Kansas last year the utility
2 Westar analyzed the costs and benefits of a
3 new coal-fired power plant versus a new wind
4 farm. Westar made the decision to build a new
5 wind farm.

6 On Cape Cod we currently pay a
7 retail energy charge of 12 cents per
8 kilowatthour, and you can find this on Page 2
9 of your electricity bill. If electricity from
10 Cape Wind were to cost the proposed 24 or 36
11 cents per kilowatthour, as suggested by the
12 Alliance -- I ran out of time -- it would have
13 no influence on your electricity bill. Thank
14 you.

15 MR. MOORE: Thank you very much.
16 60? 61. Could 66 and 67 please come up
17 front. Thank you.

18 MR. HERMANN: Good evening. I'm
19 David Hermann. I'm the vice-chair and energy
20 committee chair for the Sierra Club,
21 Massachusetts chapter. We have 20,000 members
22 in the state, including Greater Boston and
23 including Cape Cod. This is oral comments.
24

Cape Wind Energy Project - March 13, 2008

1 We will submit written comments by the
2 deadline, so we'll get into specifics then.

3 To cut to the chase: The chapter
4 and the club support Cape Wind. This is not a
5 position we got to easily. We spent at least
6 two or three years during the development and
7 all the open hearings, and we had our concerns
8 about birds and bats. We had them about the
9 process by which this is done. We had
10 concerns about appropriate compensation and
11 about monitoring.

12 But as the process has gone on,
13 either those concerns have been met or it
14 looks like they're fast being met and will be
15 by the final environmental impact statement.

16 So we've seen it addressed, and we
17 have come around to supporting the project.
18 As I say, this was not automatic. A lot of
19 thought went into this.

20 So we would like to see this built.
21 We do still see some concerns we have, but
22 we'll address it in our comments. We're
23 confident that, with the Final Environmental
24

Cape Wind Energy Project - March 13, 2008

1 Impact Statement, that they'll be taken care
2 of.

3 The thing is, there's a lot to be
4 said and a lot more to discuss. But when it
5 comes down to it, we need Cape Wind. We
6 really need about 10 or 20 projects just like
7 Cape Wind to combat global warming. So the
8 time to discuss has rapidly come to an end.
9 Let's start getting these things done. Thank
10 you for doing the process.

11 MR. MOORE: 62?

12 MS. YOUNG: Thank you. My name is
13 Rose Young. I live in Salem, Massachusetts,
14 and I'm a director of Greenpeace USA.

15 We're in favor of the Cape Wind
16 project. Greenpeace is an international
17 organization with 3 million supporters and a
18 long history of working to protect the world's
19 oceans from drilling, dumping, overfishing,
20 and other destructive practices at sea.

21 Offshore wind offers an immediate,
22 clean, and effective answer to both global
23 warming and energy security. By its very
24

Cape Wind Energy Project - March 13, 2008

1 nature, wind is domestic and limitless,
2 especially here off the coast of New England,
3 and it's a safe and resilient and energy
4 supply, not dependent on the uncertain fuel
5 supplies or rising energy prices.

6
7 Given the stark urgency of global
8 warming, Greenpeace believes that the
9 presumption should always be in favor of
10 renewable energy projects unless there's
11 specific evidence that there could be
12 environmental harm. The November 2004 Draft
13 Environmental Impact Statement by the Army
14 Corps of Engineers identified no such harm
15 from the Cape Wind project, and Greenpeace
16 gave the project its full support.

17 With the additional studies
18 undertaken in the MMS Draft Environmental
19 Impact Statement, it's clear that there are no
20 significant environmental, navigational, or
21 economic harms from the project. We urge the
22 Federal Government and the State of
23 Massachusetts to permit the project in a
24 timely manner, without any unnecessary delays.

Cape Wind Energy Project - March 13, 2008

1 understand you all are using to evaluate the
2 project.

3
4 As I came into the hearing in
5 Yarmouth the other night, I was asked the
6 question on my way in by someone with a basket
7 of buttons -- I'm sorry, she handed me a
8 button that said "Yes" on it, a Clean Power
9 Now button. I said, "How did you know I was a
10 friendly face? How did you know I was a
11 supporter?" She said, "You're young, right?"
12 And I just kind of smiled.

13 But then I realized, given the
14 intensity of the young speakers you heard here
15 tonight, and every poll I've seen overwhelming
16 support from the youth. I think it's really
17 important to note that it's us, it's we who
18 are going to be breathing the air in
19 Massachusetts in 40 years. So I think that's
20 an important perspective when you talk about
21 the public interest.

22 I also was intrigued by the
23 question someone brought up in the Yarmouth
24 hearing. Someone asked a great question in a

Cape Wind Energy Project - March 13, 2008

1 We've got a long history of
2 protecting the world's oceans, and as such, we
3 didn't make this decision to support Cape Wind
4 lightly. It's our belief that, by the studies
5 of this and other offshore projects in Europe,
6 that any environmental impacts caused by
7 installing these turbines offshore are minor,
8 especially when compared to the truly profound
9 impacts of global warming on the oceans,
10 estuaries, and coastal lands. It's really not
11 about the view or the vision; it really is
12 about our collective survival.

13 MR. MOORE: Please finish.

14 MS. YOUNG: Thank you very much.

15 MR. MOORE: Thank you very much.

16 Next speaker.

17 MR. CUMMINGS: Thank you. My name
18 is Charlie Cummings. I'm originally from
19 Brewster, Massachusetts, and I now work in
20 Boston as a management consultant. I'm also
21 on the board of directors of Clean Power Now.
22 I want to talk a little bit tonight about the
23 public interest, which is the criteria I

Cape Wind Energy Project - March 13, 2008

1 break at the Yarmouth hearing, and that
2 question was: Why were the people from West
3 Virginia allowed to speak? And if you weren't
4 at the hearing, these people spoke about the
5 destruction the coal industry was causing in
6 their backyards. What a great question. And
7 ironically, I think this was someone from the
8 Alliance that asked this. The answer that you
9 all gave was, "Well, this is a Federal
10 hearing."

11 I actually think there's a
12 different answer, and to me, "public" is not
13 the Yarmouth Board of Selectmen, who I might
14 respectfully add are quite past their prime.
15 It is citizens of this country and this world
16 that we share, and the reason that they were
17 allowed to speak is not because this is a
18 Federal hearing, it's because their plight is
19 our plight, our plight. So I thank you for
20 taking the comprehensive view of the public
21 interest that you have.

22 MR. MOORE: Next speaker? 64.

23 MR. ELRICK: Good evening. My name

Cape Wind Energy Project - March 13, 2008

1 is Richard Elrick. I reside in Mashpee. I am
2 the president of Clean Power Now, also a
3 former three-term Barnstable town councilor
4 and a ferry boat captain on Nantucket Sound
5 for some 26 years.

6 A couple of issues that I want to
7 speak to tonight. I already spoke at the
8 Yarmouth meeting, primarily about the
9 navigation issue. So while that is my area of
10 expertise, I do want to speak to just a couple
11 of other issues.

12 One of the things that has been
13 particularly disappointing to me is to watch
14 the lack of leadership of our elected
15 officials, particularly on the Cape. All of
16 those elected officials, or the 20 out of the
17 22 that spoke in opposition to Cape Wind in
18 Yarmouth, they all said that they supported
19 wind, they support renewable energy, but they
20 don't support it in that particular location,
21 they want to see it somewhere else, or they
22 think there needs to be an ocean management
23 plan, and they can't move forward until we
24

Cape Wind Energy Project - March 13, 2008

1 not on unfounded opinions and not on politics.
2 If you do that, I have no doubt that you'll
3 determine that the benefits substantially
4 outweigh the detriments and this project will
5 move forward. I thank you for your time.

6 MR. MOORE: Time. No. 66? 67.
7 And what we'll do is -- are you 66? Thank
8 you. We'll take 67 and 68 after the break.
9 You'll be our last speaker before the break.

10 MS. MONDALE: Hello. My name is
11 Lee Mondale, and I'm a board member of
12 HealthLink, which is a ten-year-old North
13 Shore citizens' group in Massachusetts working
14 to protect public health by eliminating toxins
15 in the environment through research,
16 education, and community action.
17 HealthLink@HealthLink.org.

18 What brings us together tonight is
19 energy and how it will be produced, as demand
20 for its use is greatly increasing. Today most
21 of our energy is produced by using fossil
22 fuels, which introduce toxins into our
23 environment. They produce air and water
24

Cape Wind Energy Project - March 13, 2008

1 have that plan.

2 If we left these important
3 decisions about the future of this country up
4 to our elected officials, we would never get
5 anywhere. It requires the kind of
6 entrepreneurial spirit that you see in someone
7 like Jim Gordon, someone who is willing to
8 take the risk to move this project forward,
9 move our Commonwealth forward, and to move our
10 country forward.

11 There's something seriously wrong
12 with a process, the process that's going on
13 over this project for the last seven years,
14 when it is easier to decapitate mountains in
15 West Virginia and Kentucky to extract coal,
16 where it is easier to permit coal-fired plants
17 than it is Cape Wind, that will produce three
18 quarters of the Cape's energy needs, zero fuel
19 costs, zero pollution.

20 Aside from that, I'm thankful
21 tonight. I'm thankful because the decision
22 will be in your hands. You're charged with
23 basing your decision on facts and evidence,
24

Cape Wind Energy Project - March 13, 2008

1 pollution, which affect health and are major
2 contributors to global warming or climate
3 change.

4 While HealthLink has been active in
5 the support of regulations that make the
6 burning of fossil fuels cleaner, it has also
7 been active in supporting and educating the
8 public on alternatives to that energy source,
9 using renewable energies -- wind, solar, water
10 current, and geothermal among others, wind
11 being most economical and technically feasible
12 at this point in time.

13 The Cape Wind project has been
14 examined in great detail by the Army Corps of
15 Engineers. Public hearings were held, and the
16 project passed environmental scrutiny. Now it
17 has been examined by MMS, which is hosting
18 this public hearing.

19 Having a clean new source of energy
20 production that does not increase CO₂ in the
21 atmosphere in this time of climate change is
22 essential. Other projects may be proposed,
23 but this one has been examined thoroughly and
24

Cape Wind Energy Project - March 13, 2008

1 is ready to be built and put into production
2 now. HealthLink and its hundreds of members
3 are supportive of the Cape Wind project.

4 MR. MOORE: Thank you very much.
5 (Recess taken.)

6 MR. MOORE: We're ready to begin.
7 No. 67, Speaker 67, has been waiting
8 patiently. We're going to start with Speaker
9 No. 66.

10 MR. WOOD: Hello. I'm Henry Wood.
11 I take the place of Alejandro Flores, who had
12 to leave before this. And I would like to
13 support, very much support, as I have all
14 along, Cape Wind. I also want to applaud MMS
15 for what I think is a very, very good Draft
16 Environmental Impact Report, and I hope it
17 will be the final one in the near future.

18 I have something a little different
19 than most people. I have the first offshore
20 wind turbine farm in the country. It's down
21 in Rhode Island, just between Newport and
22 Jamestown. There it is. It's a tiny island,
23 a tiny, tiny little island, where I've had a

Cape Wind Energy Project - March 13, 2008

1 the great flats and make salt. They also did
2 a lot of the grinding for all of this area,
3 again using windmills. Thank you very much.
4 MR. MOORE: Thank you. And
5 finally, 67.

6 MS. COLE-TUCKER: Hello. My name
7 is Reed Cole-Tucker, and I grew up on Cape
8 Cod. And the following letter I'm going to
9 read is from Ernie Eldredge, a
10 multigenerational Cape Codder, who represents
11 my view and the view of many who cherish the
12 natural beauty of Nantucket Sound. Ernie
13 lives and breathes Cape Cod, a stark contrast
14 to the majority of the speakers here, who live
15 in Boston and will not have to live with a
16 power plant in the middle of their natural
17 treasure.

18 "I'm a weir fisherman and Chatham,
19 Massachusetts resident. I do not fish on
20 Horseshoe Shoals, nor do I fish in the method
21 of fishermen who do fish the shoals. I fish
22 in artisanal, historic fisheries that is
23 located inshore from the proposed project. I

Cape Wind Energy Project - March 13, 2008

1 windmill now for 30 years that has been
2 working very, very well. I have not received,
3 even though the windmill is mounted high on my
4 chimney, I have never received a complaint
5 from any resident or passing boat.

6 Another thing I want to tie in here
7 is: Every week when I'm there, I see a number
8 of ships passing by loaded to the gunwale with
9 coal. They go in about a day later; they come
10 back, they leave empty. They leave all the
11 coal at Brayton Point, which is in Somerset,
12 that huge plant up there. And I hope you will
13 have had the opportunity to read the Harvard
14 School of Public Health report on Brayton
15 Point. In particular, they have identified
16 just how many people go to the doctor, end up
17 in the hospital, and die every year because of
18 the things that come off that plant.

19 I finally want to say that Cape Cod
20 has a long tradition of windmills. Their
21 economy was based for a long time on the major
22 salt supplier along the East Coast, because
23 they used windmills to pump the saltwater from

Cape Wind Energy Project - March 13, 2008

1 have fished Nantucket Sound all my life. I
2 literally walked into my father's boots. I'm
3 proud to say I provide seafood from the sound
4 for my family, for my neighbors, for our
5 nation. I only harvest the fish I'm allowed
6 to because of consumer marketability and
7 government regulations. What I do not bring
8 to port is allowed to swim away in good
9 condition.

10 "My concerns about the Draft
11 Environmental Impact Statement is as follows:
12 The DEIS does not address what impact the
13 project will have on the migratory and
14 spawning habits of species in Nantucket Sound.
15 The DEIS does not adequately address
16 electrical pollution and the impact to the
17 species known to Nantucket Sound.

18 "The DEIS significantly understates
19 the impact this project would have on the sea
20 floor during its construction phase and on the
21 ecology of a healthy fishery for Nantucket
22 Sound.

23 "Let's take a lesson from the

Cape Wind Energy Project - March 13, 2008

1 destruction that has been caused by
2 exploitation of our natural resources in the
3 name of energy. Stop building more power
4 plants and start consuming less energy as a
5 nation. Whether it be from wind, coal, or
6 oil, one more power plant destroying a natural
7 habitat is not the answer. We need to lead
8 the world in becoming less of a
9 consumer-driven nation and become more
10 conservative in our energy use. Take only
11 what we need."

12
13 MR. BORCHERT: Hello. My name is
14 Carl Borchert, chapter director of Clean Power
15 Now, Nantucket Island. I'd like to thank the
16 MMS for hosting these hearings. I'd also like
17 to thank the University of Massachusetts in
18 Boston. I went to UMass Amherst, the
19 flagship, and graduated cum laude in 1992.

20 I have visited offshore wind parks
21 in Denmark at Nysted and Blavand and was
22 stunned to see how quiet and benign they are.
23 These two wind parks have been so successful
24 that the Danish government has ordered them to

Cape Wind Energy Project - March 13, 2008

1 doesn't cost the taxpayer a penny. The Mass.
2 Audubon Society is the largest and most
3 respected avian authority in New England, and
4 they have granted additional approval of the
5 project. Let's build Cape Wind now and begin
6 to create a safer, cleaner, more secure world
7 for our country, our children, and our
8 grandchildren.

9 I also wanted to add that when you
10 live on Nantucket Island, the only time you
11 miss the wind or notice the wind is when it
12 stops. Thank you.

13 MR. MOORE: Thank you very much.
14 70. And 73, 74, 75, and 76. 69.

15 MR. REILLY: For the record, my
16 name is Martin T. Reilly, and I'm a former
17 state senator from Cape Cod and a resident of
18 Boston and Cape Cod. And I am here tonight in
19 support of wind power, at a better location,
20 which everyone should support, both Clean
21 Power Now and Save Our Sound, as this ticket
22 depicts.

23 I want to thank the MMS for holding
24

Cape Wind Energy Project - March 13, 2008

1 be doubled in size. They set a goal for the
2 country to get 50 percent of its electrical
3 power from wind by 2025. Cape Wind will at
4 peak produce enough power for 468,000 homes,
5 average production of 185,000 homes. The
6 turbines require no imported oil from
7 geopolitically unstable zones, no natural gas
8 and dangerous LNG tankers, coal from
9 devastating mountaintop removal techniques,
10 and no uranium from radioactive mines. No
11 single hulled oil barges will be necessary to
12 fuel the project, eliminating the chance of a
13 catastrophic oil spill. The total footprint
14 of the monopoles will be less than one acre,
15 and the wind farm grid will be open to
16 recreational boaters and commercial fisherman
17 once construction is completed.

18 After seven years of exhaustive
19 review and four major government reports,
20 including this one, no major problems with the
21 Cape Wind Energy Project have been identified.
22 The project will be funded by private
23 investment, and the production tax credit
24

Cape Wind Energy Project - March 13, 2008

1 public hearings over the past four days to
2 obtain input from the people on the important
3 issue of the generation of wind power in
4 Massachusetts and our nation. Now that you
5 have obtained public input, you know several
6 things. First and foremost, all of the people
7 support the need to generate wind power to
8 alleviate our dependency on foreign oil,
9 mitigate the impact of global warming, and
10 create new domestic power jobs to stimulate
11 our Massachusetts and national economy.

12 Some people, secondly, support the
13 Cape Wind project, others oppose it, for
14 several reasons, primarily because of its
15 location, which would result in the
16 possibility of destroying the esthetic beauty
17 of Nantucket Sound, endangering the public
18 safety of the people traveling on our
19 waterways because of its proximity to
20 pre-existing ferry routes, recreational
21 boaters, commercial fishermen, and air traffic
22 routes, while disrupting fishing routes.

23 The third thing we know from these
24

Cape Wind Energy Project - March 13, 2008

1 hearings is that for the first time
 2 alternative deepwater technology now exists
 3 and deepwater sites are now available and
 4 viable, such as the site announced this week
 5 by Blue H USA, located in deep water 23 miles
 6 off the coast of Martha's Vineyard, in waters
 7 of 51 meters, approximately 160 feet deep,
 8 generating 420 megawatts of power.
 9 Advancement in the patented Blue H technology,
 10 which has been adopted from proven technology
 11 used in the oil and gas drilling industries
 12 for the generation of wind power, can deliver
 13 the power to the people at a better price for
 14 the consumer than other shallow-water
 15 applications and should be considered,
 16 embraced, and utilized in the development of
 17 wind power because it would maximize the
 18 positive benefits and minimize the negative
 19 benefits in a manner that will be a
 20 win-win-win for everyone, worthy of the
 21 support of all people.

22 The question now comes on what is
 23 the most appropriate place to allow the
 24

Cape Wind Energy Project - March 13, 2008

1 location of wind power to go forward. And
 2 clearly the answer is deep water, because deep
 3 water can generate the power cheaper, it can
 4 preserve the public safety of the people, and
 5 it can ensure preservation of the esthetic
 6 beauty of our ocean sanctuaries and is in the
 7 interests of all the people, and that's what
 8 it's all about. Thank you very much for your
 9 consideration.
 10

11 MR. MOORE: You need to finish up.
 12 Could we get your statement.

13 MR. FOSTER: Good evening. My name
 14 is Mark Foster, a citizen of Aquinnah and a
 15 member of the Aquinnah tribe on Martha's
 16 Vineyard.

17 I'd like to cite a page from
 18 Section 9.1 of the MMS draft environmental
 19 statement. Since neither MMS nor any Federal
 20 or state agency has past experience evaluating
 21 how projects such as the proposed action will
 22 interact with the marine environment, MMS
 23 requested and the applicant agreed to prepare
 24 and implement an environmental management

Cape Wind Energy Project - March 13, 2008

1 system tailored to the proposed action.

2 The initiative suggested by the
 3 statement is laudable. However, by its own
 4 apparent admission and in spite of its summary
 5 finding, the proposed project is a leap in
 6 environmental terms as well as economic and
 7 engineering terms -- witness the dissenting
 8 testimony tonight -- a leap into the unknown.
 9 History does not suggest that any industry can
 10 be relied on to police or regulate itself,
 11 especially when the need for regulation meets
 12 the bottom line. From my reading of the
 13 impact statement, I would ask what beyond the
 14 incentive to seek approval would keep Cape
 15 Wind adherent to an environmental management
 16 system that is entirely improvisatory and ad
 17 hoc?
 18

19 I would add on the note of not in
 20 my back yard: A truly equitable solution to
 21 the country and the world's environmental and
 22 economic woes will not be to punish or exploit
 23 one region of the country for the greater good
 24 or public interest when that good and that

Cape Wind Energy Project - March 13, 2008

1 interest is synonymous with the most wasteful
 2 and profligate culture in the history of the
 3 world. A regional solution is not regional
 4 when it is imposed on or at the expense of a
 5 minority of the region's inhabitants. Thank
 6 you.
 7

8 MR. MOORE: If you'd share your
 9 statement, it would be great. Thank you. 71.

10 AUDIENCE MEMBER: I want to thank
 11 you guys for the opportunity to let me talk
 12 tonight, for sure, and the work that you've
 13 done with your Draft Environmental Impact
 14 Statement.

15 The thing that I want to state is
 16 that global warming is a serious issue, and
 17 the more that I read news articles on global
 18 warming, it's not getting any better, it's
 19 getting worse. The science is shifting. The
 20 Intergovernmental Panel on Climate Change
 21 based their research on a lot of scientific
 22 studies that were done over five years ago,
 23 and the science has shifted drastically in
 24 that time.

Cape Wind Energy Project - March 13, 2008

1 The time for action is now. We
2 need to start using alternative energy at our
3 disposal. That means winter. That means
4 geothermal, that means solar, and that means
5 everything, including the Cape Wind project.

6 Cape Wind's not the solution to
7 global warming. Let's not fool ourselves.
8 But what it is is the start. It's a major
9 player in the solution to global warming. And
10 that's why Cape Wind has a place here in
11 Massachusetts.

12 This project has been in the works
13 for seven years. That's ridiculous. The
14 delays have been nothing more than
15 obstruction. We live in a country where
16 nuclear power gets approved faster than wind?
17 Are you serious?

18 The fact is that we're here today
19 talking while the clock ticks on global
20 warming. Does anybody see the irony in that?

21 The time for talk is over. It's
22 time for action. And hopefully, after all is
23 said and done, that action will be Cape Wind,
24

Cape Wind Energy Project - March 13, 2008

1 built on Nantucket Sound. It's good for jobs,
2 the economy. It's good for Massachusetts.
3 It's good for America. And more importantly,
4 it's necessary for the world.

5 The future is in our hands. We
6 have a responsibility to act, and that's why
7 we need to step up. Let's stop being
8 ridiculous and start being rational. Let's
9 for once and for all get those turbines
10 spinning on the Cape, and if the decision is
11 not to get those turbines spinning on the
12 Cape, then I would propose to the Alliance
13 that you had better find a way to tap into
14 those windbag politicians for renewable
15 energy. Thank you.

16 MR. MOORE: Thank you.

17 MR. HEAD: Good evening. I am
18 Michael Head from the Beacon Hill Institute,
19 the research arm of the economics department
20 at Suffolk University. My testimony will
21 focus on the section of the DEIS that deal
22 with economics.
23

24 The DEIS does not include a social

Cape Wind Energy Project - March 13, 2008

1 cost/benefit analysis that would
2 systematically weight the social costs against
3 the social benefits of the project.
4 Presidential Executive Order 12866 states that
5 each agency shall propose or adopt a
6 regulation possible upon a reasoned
7 determination that the benefits of the
8 integrated regulation justify its costs. The
9 Cape Wind proposal should not be exempt from
10 this test.

11 Our updated research shows that the
12 Cape Wind project is not economically viable,
13 showing that the economic costs would exceed
14 the benefits by \$580 million, and when
15 considering carbon dioxide reduction at a
16 value of 30 dollars per ton, it would still
17 cost \$307 million.

18 The DEIS asserts that the proposed
19 action is located far offshore and is not
20 expected to affect tourism. This conclusion
21 is too optimistic. Cape Cod, which heavily is
22 reliant on tourism, would be hurt by the Cape
23 Wind project. In our 2003 study, 62 percent
24

Cape Wind Energy Project - March 13, 2008

1 of the sample of tourists surveyed believed
2 that the turbines lessened the area's appeal
3 as a vacation destination.

4 The DEIS states that the currently
5 available information does not support any
6 firm conclusions with respect to the wind
7 facility's effect on property values.
8 However, based on surveys by the Beacon Hill
9 Institute in 2003, homeowners believe that the
10 windmill project will reduce property values
11 by 4 percent and waterfront property by 10.9
12 percent. This translates to between a 1.7-
13 and 2.5-billion-dollar loss of property
14 values.
15

16 The DEIS predicts secondary
17 employment benefits which will generate an
18 additional 206 to 622 jobs in Massachusetts.
19 Those effects are overstated. In fact, the
20 reduction in tourism brought about by the Cape
21 Wind project will lead to a reduction in
22 employment of about 700 jobs. Thank you.
23

24 MR. MOORE: Thank you very much.
73? Could we get 77, 78, 79, I think.

Cape Wind Energy Project - March 13, 2008

1 MR. SCHLICHER: Good evening. My
2 name is Fred Schlicher. I live in Medford,
3 Massachusetts, and I currently serve as
4 program manager for the Massachusetts Climate
5 Action Network.

6 I speak tonight on behalf of the 47
7 MCAN affiliated chapters that comprise the
8 MCAN network and that represent more than 540
9 chapter members in cities and towns throughout
10 Massachusetts that work collaboratively with
11 local government and other community groups to
12 stop global climate change.

13 Here is a short list of some of the
14 reasons why our organization supports Cape
15 Wind. The Cape Wind project is critical to
16 our national goal of creating a more
17 sustainable energy future. The project will
18 improve air quality in the state as a result
19 of reduced operations of polluting fossil fuel
20 plants in New England, and it is the
21 equivalent of removing 175,000 cars off the
22 road each year.

23 The project will help promote
24

Cape Wind Energy Project - March 13, 2008

1 every location with a view of the project
2 would be, quote, "adversely affected." This
3 report evaluated the view toward the project
4 from 23 locations. Of these, there was no
5 view of the project from three locations.
6 Three additional sites were not evaluated
7 because, quote, "no historic properties were
8 affected." The view from all 17 of the
9 remaining locations was determined to have a,
10 quote, "adverse effect" from the wind
11 turbines. This shows how severe the esthetic
12 impact would be on locations as far as 14
13 miles away.

14 But in the DEIS, when the results
15 of this report are presented, most of these
16 categorizations are completely reversed and
17 labeled as "no adverse effect." For example,
18 in the DEIR and FEIR, impacts on the Cotuit
19 historic district were classified as "adverse
20 impacts." However, this was reversed in the
21 DEIS with the, quote, "no adverse effect"
22 designation. In fact, in an overwhelming 13
23 instances, the classification was reversed.
24

Cape Wind Energy Project - March 13, 2008

1 greater energy independence and energy
2 diversity and will create thousands of new
3 jobs. I might parenthetically add that when
4 this project was proposed and began to be
5 studied, Massachusetts Climate Action Network
6 had 12 chapters. We now enjoy 47 chapters. I
7 think that speaks volumes for the interest
8 statewide in this issue and the importance of
9 moving ahead on this project. Thank you.

10 MR. MOORE: Thanks very much. The
11 next speaker. 74, please.

12 MS. RYAN: Hi. My name is Kate
13 Ryan, and I am a Boston resident and have
14 spent my summers vacationing on the Cape; I
15 also was a Yarmouth lifeguard for several
16 years on Nantucket Sound.

17 Being an avid surfer and swimmer,
18 protecting the scenic ocean views and delicate
19 ecosystems is something that is very important
20 to me. The DEIS inaccurately reports the
21 visual impact assessment results. The
22 technical report investigating the visual
23 impacts of the Cape Wind project found that
24

Cape Wind Energy Project - March 13, 2008

1 Thus the DEIS without explanation or
2 justification changed most of the findings of,
3 quote, "adverse effect" to, quote, "no adverse
4 effect" or "no effect."

5 I respectfully request that MMS
6 acknowledge the significance of the visual
7 impacts on Cape Cod and the Islands as well as
8 evaluate the resulting effects to our local
9 economy. This is far more than a NIMBY issue.

10 People come to the Cape to enjoy the scenic
11 beauty of nature. That needs to be protected.

12 MR. JARRED COBB: I am here because
13 of my nephew. My big sister, who is a
14 resident of Nantucket Island, will be giving
15 birth to a little boy at the end of next
16 month. He will be coming into a world of
17 turmoil and of pressing environmental
18 concerns.

19 The most imminent danger facing
20 this planet is that of global warming. The
21 scientific debate is over. The top climate
22 scientists are giving us a time frame of seven
23 years to drastically cut our emissions, seven
24

1 Cape Wind Energy Project - March 13, 2008

2 years.

3 If we are to wait much longer, the
4 effects of climate change will be
5 catastrophic. One third of all species could
6 be extinct by the middle of this century.
7 Billions of people will be displaced by rising
8 sea levels -- billions; not just a minority,
9 billions.

10 There has never been such a
11 challenge to our society in the history of
12 civilization. I have heard some people speak
13 before me, all with a common theme, that it is
14 not yet time for clean energy. They have
15 talked about alternatives for site location,
16 hindered views, and obscure scientific
17 studies.

18 With all due respect, everything
19 they have said is bullshit. When I speak with
20 my nephew in the future, I want to tell him
21 that I did everything in my power to stop
22 global warming. I think it will be difficult
23 to explain to him that we were not able to
24 build an offshore wind farm off of Nantucket

1 Cape Wind Energy Project - March 13, 2008

2 Nantucket Sound. I want to thank the Minerals
3 Management Service for the opportunity for
4 these public comments. Also, I want to thank
5 the MMS for your community consensus policy.
6 We've been in conflict for more than seven
7 years now, and we really need to find some
8 good solutions, and that process will be
9 valuable to all of us.

10 We've heard about problems of coal
11 mining, mountaintop removal. At Monday's
12 hearing we heard one woman from Appalachia
13 tell several sad stories about the problems
14 with mountaintop removal. One of her stories
15 was about the desecration of grave sites from
16 a fall of a spoiled coal pile. That's wrong,
17 and that should never happen, in Appalachia or
18 desecration of grave sites here in
19 Massachusetts.

20 As we have heard from the leaders
21 of the two local Wampanoag tribes, there is
22 evidence of ancient Indian burial grounds
23 under Horseshoe Shoal. We need to be sure.
24 We need to take the time to make sure that

1 Cape Wind Energy Project - March 13, 2008

2 Island. I think he will be confused to hear
3 about MMS and DEIS when he looks at the world
4 in which he lives.

5 I want to tell him that we did
6 everything in our power to stop global
7 warming, and I want him to know that I stood
8 up against a wealthy minority of those who
9 opposed it. Most of all, I want my nephew to
10 live in a world of clean energy and a stable
11 climate.

12 I call on those from the Alliance
13 to stop spreading lies and to think about the
14 future of this planet, not their own selfish
15 interests. I call on the MMS to consider what
16 the future generations will thinking about the
17 petty bickering and stall tactics that we have
18 witnessed tonight if we are not to act quickly
19 enough on global warming. And I and my nephew
20 will be glad to see wind turbines spinning off
21 of Nantucket Island. Thank you.

22 MR. MOORE: Time. Thank you.

23 MR. WATTLEY: I'm Glen Wattley,
24 president and CEO of the Alliance to Protect

1 Cape Wind Energy Project - March 13, 2008

2 such desecration of grave sites does not
3 happen in Nantucket Sound. We can't have 130
4 monopolies being driven into such ancient
5 burial grounds.

6 I wish to address Appendix F again,
7 about the high cost of the Cape Wind project.
8 I appreciate the fact that an independent
9 study was done on costs, and we haven't looked
10 enough at the impact on our electric rates on
11 Cape and Islands. Will this project raise our
12 monthly bills \$20 or \$40? Cape Wind needs to
13 answer such questions. Thank you very much.

14 MR. MOORE: Thank you. No. 77.
15 And 81, 82, and 83, if you would come up,
16 please.

17 MR. MOON: Hello. My name is Dan
18 Moon, and I'm the president of the
19 Environmental Business Council. The
20 Environmental Business Council is a nonprofit
21 organization whose mission is to advance and
22 promote environmental and energy services and
23 technology businesses in New England which
24 employ thousands of environmental and energy

Cape Wind Energy Project - March 13, 2008

1 professionals. I am here to support and
2 encourage the final approval of the EIS for
3 this important project.

4 Climate change is one of the most
5 critical issues facing our society. We can
6 and must take steps now to reduce our carbon
7 footprint. Our strategy must consist of three
8 parts: the reduction of energy through
9 efficiency programs, the development of
10 noncarbon sources of energy, and, finally, the
11 capture and storage of carbon dioxide from the
12 burning of fossil fuels. We need to implement
13 programs in each of these areas if we hope to
14 be successful.

15 Energy independence is also
16 critical for the United States, and especially
17 for New England. Our goal must be to reduce
18 our reliance on imported oil and natural gas.

19 While we have existing energy
20 efficiency and conservation programs, we must
21 continue to expand and encourage their use.
22 We must also make a commitment to develop
23 alternative renewable energy sources, sources
24

Cape Wind Energy Project - March 13, 2008

1 Murphy. I'm reading for Kristina Fjeld
2 Olenec, from the Dartmouth Institute for
3 Health Policy and Clinical Practice.
4 "Alternative sources of energy are
5 needed to limit our reliance on fossil fuels,
6 but we have to be careful that the benefits
7 outweigh the costs. If the Cape Wind proposal
8 is approved and a wind farm is installed, the
9 wind turbines will be seen and heard from
10 land. Studies have shown that the impact of
11 the implementation of the wind farm will have
12 a negative impact on tourism for the area and
13 seriously harm the fishing industry.

14 "The World Health Organization
15 defines 'health' as a state of complete
16 physical, mental, and social wellbeing, and
17 not merely the absence of disease or
18 infirmity. Studies have shown that exposure
19 to natural environments have been associated
20 with decreased length of hospital stays and
21 increased recovery time from illness.

22 "The ocean sounds and landscapes
23 offer healing environments for the human
24

Cape Wind Energy Project - March 13, 2008

1 that include biomass, solar, nuclear,
2 geothermal, hydro, and wind energy.

3 Approval of the Cape Wind project
4 will help us meet these renewable-energy goals
5 and energy independence goals. There are
6 additional benefits. Cape Wind will also
7 provide a critical leading role to develop an
8 offshore wind energy for the region. There
9 are other efforts supporting the development
10 of this new industry. Mass. Technology
11 Collaborative and the U.S. Department of
12 Energy have developed an offshore wind
13 collaborative organizational business plan,
14 and also Massachusetts has recently won a U.S.
15 Department of Energy grant to develop here in
16 Boston a large wind turbine blade test
17 facility.

18 Again, the Environmental Business
19 Council encourages you to timely approve this
20 project. Thank you.

21 MR. MOORE: Thank you very much.
22 We are at No. 78.

23 MR. MURPHY: My name is Roberta
24

Cape Wind Energy Project - March 13, 2008

1 population. Cape Wind will limit access to
2 natural landscape environment, DEIS Section
3 5.1.1.1.8 and 5.1.1.1.11, the pristine
4 character of the landscape of Cape Cod that is
5 currently enjoyed by 6 million people
6 annually.

7 "The benefits of the Cape Wind
8 project include a reduction in fossil fuel
9 consumption, reduced emission at regional
10 power plants, and greater energy incidence --
11 it is estimated that 744 million in savings
12 from reduction in fossil fuel capital and
13 operating cost savings, emission reduction and
14 greater energy independence. However, the
15 costs of the project far exceed the fiscal
16 benefits. Through the building of the
17 project, through integration and
18 environmental -- estimating 952 million --

19 MR. MOORE: It's time, Roberta.

20 MS. MURPHY: The costs outweigh the
21 benefits by 209 million.

22 MR. MOORE: Thank you very much.
23
24 79.

Cape Wind Energy Project - March 13, 2008

1 MR. FRANZEN: My name is Bill
2 Frantzen. I'm from Framingham, Massachusetts.
3 I am not a waterfront homeowner on Cape Cod.
4 I am one of the millions of people who travel
5 to Cape Cod because I love Nantucket Sound for
6 its natural beauty. I love to travel to Cape
7 Cod often because it's the most beautiful and
8 most scenic place I know of, and I've traveled
9 all around the world.

10 I like the idea of wind power, but
11 I am against this location, and I feel this
12 location has stymied the proliferation of wind
13 development. Had a more reasonable location
14 been chosen, we would be producing energy by
15 now. It would have helped wind development,
16 not hurt it.

17 Why is this location chosen? I
18 believe greed, not the environment. Power
19 from a real offshore site would be just as
20 valuable as power from Horseshoe Shoals, and
21 the technology now exists. We can have clean
22 renewable power, and not on the backs of
23 fishermen and the environment.

Cape Wind Energy Project - March 13, 2008

1 Windmills will affect radar and, as
2 a result, safety of aviation and, in addition,
3 commercial fishing and pleasure vessels. The
4 airlines, the ferry companies, commercial
5 fishermen keep explaining that this will make
6 travel unsafe. The commercial fishermen say
7 that simply they can't even get their boats to
8 tow their fishing gear between the turbines
9 because they are too close together. They say
10 they need spacing of at least a mile between
11 turbines if they are to be blocked out of this
12 area.

13 Why has this come so far? No other
14 wind farm that I am aware of has so many
15 negatives attached to it. And for what? The
16 option to move just 20 miles farther out to
17 sea exists. Cape Wind just doesn't want to
18 let moving this site affect its profits.

19 There are already wind farms much
20 further offshore existing in Europe, and we
21 have developers who have made a filing to
22 build a wind farm here in Massachusetts out
23 far enough from our shoreline as to not hurt

Cape Wind Energy Project - March 13, 2008

1 our interests.

2 Now I have come to a very different
3 but important point, our wallets. I have been
4 hearing and reading from some authorities a
5 proposed wind farm will increase the average
6 homeowner's electric bill \$20 to \$40 each
7 month, with fuel and grocery bills --

8 MR. MOORE: It's time. Thank you.
9 80. And 83, 84, 85, and 86, please.

10 MR. FOSTER: Hi, guys. I'm Mark
11 Foster, Jr., from Aquinnah, Martha's Vineyard.
12 I'll just get right down to the issues I have.

13 One, in Section 2.4.3.3 you mention
14 the fact that there's a possibility that
15 turbines will break down and how due to the
16 inclement weather during the wintertime that
17 you may not be able to fix these turbines for
18 any given period of time.

19 I don't understand how you can have
20 an energy statement in there and talk about
21 the economics of this project by using the
22 maximum or optimal energy that this wind farm
23 will produce through the entire year and not

Cape Wind Energy Project - March 13, 2008

1 really taking into effect that turbines will
2 probably be undercommissioned and broken down
3 for extended periods of time.

4 The second point I have is that in
5 Section 2.6.1 you talk about the decommission
6 of the turbines, and you talk about the fact
7 that there is a chance of an oil spill in
8 decommissioning them. I don't think that
9 there's any reason that this should ever
10 happen. What I ask for you is a more
11 comprehensive plan for decommissioning, that
12 not only takes into account these small
13 impacts that even a small amount of oil can
14 have, but also the fact that if you're going
15 to decommission this plant, it has to be
16 completely decommissioned, completely. You
17 can't just leave things out there. That
18 doesn't make sense. It just doesn't.

19 We're talking a lot about global
20 warming and sustainable energy. This isn't
21 sustainable. It's 20 years. That's not
22 sustainable, 20 years at best. Please, just
23 reexamine this project.

Cape Wind Energy Project - March 13, 2008

1 MR. MOORE: 82? 81? 86 and 87,
2 please, not to speak, but to make sure we've
3 got folks here in the chairs. Yes, sir.
4 MR. ROGERS: Good evening. My name
5 is Ian Pager Rogers. I'm here this evening on
6 behalf of our honorable Congressman Ed Markey,
7 Democrat of Massachusetts. Congressman Markey
8 is the chairman of the Select Committee on
9 Global Warming and Energy Independence, and as
10 such, really is a crucial voice in determining
11 the Massachusetts future for clean energy
12 projects for the benefit of Massachusetts, the
13 United States, and the rest of the world.
14 I'm here tonight because
15 Congressman Markey asked me to come and read
16 his position officially on global warming.
17 Congressman Markey's position officially on
18 global warming is as follows. (Pause.)
19 Silence can be the most devastating
20 sound.
21 MR. MOORE: Thank you. Next? Is
22 there and 82? 81? So it's 83.
23 MR. HARLACZ: Hi. I'm Shane

Cape Wind Energy Project - March 13, 2008

1 Harlacz. I'm a resident of Lynn,
2 Massachusetts; more importantly, a resident of
3 the planet Earth. How are you doing?
4 Firstly, I'd like to congratulate
5 the stenographer sitting over there. You
6 happen to be my hero of the evening. Well
7 done, well done.
8 What I'd like to say is pretty
9 simple. The purpose of this hearing seems to
10 be to contest the veracity of what the
11 Minerals Management Service Environmental
12 Impact Statement has come out with. Although
13 it's taken seven years, which is in my opinion
14 an atrocity, because we can't hold back a
15 project like this when it's a home run for
16 climate change's sake, I do thank you for how
17 thorough it is and how much it holds back
18 every major objection the Alliance can make,
19 because in my opinion, some of them are
20 founded, some of them are valid. They can
21 certainly be discussed. But they're all
22 transcended definitely, without question, by
23 the urgency of global climate change.

Cape Wind Energy Project - March 13, 2008

1 How can a small portion of earth's
2 population's view be more important than the
3 fact that 100,000 people have already died
4 from the effects of global warming? It's a
5 nonissue. It's a nonpoint. Commercial
6 fishermen? Give me a break, please, please.
7 This needs to happen immediately. It needs to
8 happen now.
9 So I suppose I'll leave you with
10 this. Again, I thank you for the breadth.
11 Add the thorough aspect of the report, and I
12 hope when you make the final draft of the
13 statement it will be just as bulletproof,
14 because in my opinion it is. None of these
15 objections that I've heard tonight even come
16 close to the thousands of pages of research
17 that it took you folks seven years to compile.
18 How can anyone from the Alliance or any of
19 these commercial fishermen who had no part in
20 compiling this research or even have anywhere
21 close to the resources that you folks have
22 dispute the information that you've come up
23 with? It's unbelievable. This project needs

Cape Wind Energy Project - March 13, 2008

1 to happen now. The time for action is now.
2 Thank you.
3 MR. MOORE: Thank you very much.
4 MS. SCOTT: My name is Katharine
5 Scott. I'd like to say, someone earlier said
6 that there was no entrepreneurial spirit among
7 any of our public officials. I'd just like to
8 say that I think that the entrepreneurial
9 spirit of many public officials is being
10 thwarted by the fact that the legislation is
11 being held up on Beacon Hill.
12 I don't think this project is
13 cutting edge at this point technologically,
14 and I don't think that the eyes of the world
15 will be on Massachusetts as redeeming the
16 whole global warming situation. I think we
17 all feel the urgency of that situation, and my
18 question is whether this project is really the
19 best way to address it.
20 Someone earlier also said we really
21 need to start something big. I think that
22 it's possible that if we were starting with
23 many small things, we might be farther along

1 Cape Wind Energy Project - March 13, 2008

2 than we actually are at the moment. My
3 understanding of the physics of this thing is
4 that this is the wrong scale and the wrong
5 physics for what we really need. The
6 concentration of -- concentrated-in-one-place-
7 type industrial-scale model for a power plant
8 is appropriate to the generation of
9 electricity from high-intensity fuels, such as
10 oil, coal, and nuclear. To generate power
11 from renewables that are diffuse,
12 low-intensity power sources, available pretty
13 much everywhere in some degree but nowhere all
14 the time -- for this purpose, the
15 industrial-scale model of concentrated
16 generation seems to me to be intrinsically
17 illogical. To the best of my understanding,
18 the only high-intensity renewables are ocean
19 energy. There is a lot of renewable energy in
20 Boston, plenty of jobs for people in Boston.

21 MR. MOORE: It's about time.

22 MS. SCOTT: So I feel those sources
23 should be exploited where they are.

24 MR. MOORE: Thank you. 87? 85?

1 Cape Wind Energy Project - March 13, 2008

2 MS. BOHANNAN: Hi. I'm Melissa
3 Bohannon, from Waltham, Massachusetts.
4 I want to start off by saying I
5 fully support the Cape Wind project. To say
6 that the time for the United States to have
7 clean renewable energy coming from offshore
8 power plants is now is generous to those who
9 have postponed its development. Offshore wind
10 projects like this one are well overdue in the
11 United States. And our elected officials
12 should be proud to be finally making the Cape
13 Wind project a reality. Global warming is no
14 longer a debate. It is a serious and
15 undisputable problem, posing imminent danger
16 to all the human beings that inhabit the
17 earth.

18 Furthering our production of clean
19 energy is a crucial step towards reducing the
20 emission of greenhouse gasses and reversing
21 the effects of global warming. It is our
22 responsibility as people of conscious and free
23 will to see that the necessary changes are
24 made and proper actions are made to help save

1 Cape Wind Energy Project - March 13, 2008

2 our planet today.

3 I think the wind turbines are
4 beautiful, both in esthetic and in purpose.
5 The Cape Wind project must be approved. There
6 is no question.

7 I look forward to the day that I
8 can take my grandchildren to the beach, show
9 them the beauty of the ocean, point to the
10 horizon, speckled with wind turbines, and say,
11 "See those pretty little windmills in the
12 distance? Believe it or not, they helped us
13 to save lots of big furry polar bears." The
14 action and the time is now. Thank you.

15 MR. MOORE: Thank you very much.
16 86. And could we also have 87, 88, 89, 90,
17 91, and 92. Please come up.

18 AUDIENCE MEMBER: Good evening. I
19 am here on behalf of Laura Sweeney. I'd first
20 like to thank the MMS for holding these
21 hearings. Laura Sweeney is a resident of
22 Gloucester, Massachusetts, and she's here to
23 address an engineering concern with her
24 coastal communities.

1 Cape Wind Energy Project - March 13, 2008

2 Our homes, our towns, they were all
3 built a long time ago to withstand a certain
4 amount of flooding. This is known as the
5 100-year storm surge. You probably have heard
6 it in the news about Hurricane Katrina and the
7 disaster that resulted from that.

8 But again, this assessment was made
9 many, many years ago, and now people of the
10 same profession that made these estimates, the
11 climatologists, the weathermen, the engineers,
12 are screaming that their past assumptions are
13 wrong, that the environment is changing, that
14 sea levels are rising at a conservative
15 estimate of 2 feet -- I'm sorry, 4 feet per
16 century, and growing, and the matter is urgent
17 and there's limited time to fix it. "By all
18 means necessary" has become necessary.

19 To those who doubt that this threat
20 to property values is greater than the threat
21 to the view or the fishing grounds, just ask
22 the insurance companies. Look at what they
23 think. Look how much the rates have gone up
24 in coastal communities across the country.

Cape Wind Energy Project - March 13, 2008

1 All this because of the concern of storm
2 surges and rising sea levels.
3
4 Nothing kills the push for clean
5 air faster than this "Do as I say, not as I
6 do" attitude; and by choosing to oppose this
7 project, you are choosing to flood your own
8 homes.

9 MR. SCHILCHER: My name is Mac
10 Schilcher. I am 22 years old, and I'm a
11 citizen of Massachusetts.

12 The most important issue in this
13 whole debate is global warming, the
14 contribution of our ever-expanding consumption
15 of energy to that warming. This is a problem
16 not only for our planet, not only for our
17 country, but for our national security and our
18 economy and for our earth.

19 Since man started drawing oil in
20 1859, we have consumed 1 trillion barrels.
21 There are an estimated 2 to 3 trillion left,
22 and the world is consuming them at a faster
23 rate every day. We are seeing gas prices rise
24 10 cents every day. Every day we buy 12

Cape Wind Energy Project - March 13, 2008

1 to invest heavily in alternative renewable
2 energy. If Saudi Arabia sits on the largest
3 proven oil reserve and spends the second most
4 in the world on solar research, then why
5 aren't we the first? Why aren't we the
6 second? Why aren't we the third, and on
7 further?

8
9 This project only superficially
10 addresses a much larger issue, the energy
11 issue, and this project represents less than
12 one one-hundredth of a percent of our national
13 electricity demand, and that doesn't even
14 address the overall American energy demand, of
15 which electricity is less than half. Before
16 we drastically change the coast of
17 Massachusetts forever, we should take a step
18 back and look at what we are doing and for
19 what cost.

20 Do we really want 130 towers taller
21 than the Statue of Liberty spread over an area
22 larger than Manhattan directly off of the
23 undeveloped coast of Massachusetts? Towers
24 will blink and flash at night and drastically

Cape Wind Energy Project - March 13, 2008

1 million barrels of oil from foreign countries.
2 We are transferring our nation's wealth to
3 oil-exporting nations, some of which aren't
4 too friendly with us. Our foreign policy with
5 oil-exporting nations represents our demand
6 for energy, not our national self-interest,
7 and --

8 MR. MOORE: You need to slow down.

9 MR. SCHILCHER: -- that is
10 irreversibly damaging our global image. For
11 every dollar we spend at the pump, about 50
12 cents leaves this country. In short,
13 America's energy demand will become a national
14 crisis in the coming years unless we do
15 something about it now. Everyone who supports
16 this problem is here because they recognize
17 the serious energy problem we are suffering.
18 If left unaddressed, our nation and our planet
19 will suffer greatly. We are the richest and
20 most innovative nation on earth, and we need
21 to put billions of dollars in alternative
22 energy research. What we need is a massive
23 effort on the part of our Federal Government
24

Cape Wind Energy Project - March 13, 2008

1 alter the coast. On clear nights you may be
2 able to see them from Boston. We need bigger
3 answers, more research and better solutions,
4 solutions that will help America in the
5 future. This will be a Band-Aid on a much
6 larger energy issue.

7
8 My name is Mac Schilcher. I hope
9 to have children someday. I want them to have
10 the opportunity to see the freedom of an open
11 ocean.

12 MR. MOORE: It's time and you need
13 to stop. I'm sorry, you need to stop. Thank
14 you.

15 88? 89. 90, 91, 92, 93, 94, and
16 95, and 96.

17 MR. JONES: Hi. I'm Malcolm Jones.
18 I first became aware of Cape Wind about six
19 years ago, when -- I'm from Martha's Vineyard.
20 I noticed the time of day, that the street
21 lights were on in the daytime, and I sort of
22 questioned why we need windmills to put street
23 lights on in the daytime. We need a change of
24 behavior.

Cape Wind Energy Project - March 13, 2008

1 But that led me to the trophy
2 houses on Martha's Vineyard, hundreds of them,
3 that are vacant and heated and this terrific
4 amount of energy being used in them, and the
5 people who own these houses certainly have the
6 money to pay for this energy. And this is
7 sort of a misuse of energy.

8 I was brought up near a windmill in
9 Martha's Vineyard in the '60s, but I was also
10 a five-year-old kid when the 1938 hurricane
11 hit, and I remember it very well. I went to a
12 Cape Wind meeting, and it was said that
13 actually the 1938 hurricane was a Category 3.
14 If you look it up, it's certainly a Category
15 5. I think the top winds were 182 miles an
16 hour.

17 I feel that the people here are
18 trying to be reasonable to have energy, but it
19 seems that this is democracy here, for the
20 people, and where democracy for the
21 corporations are sort of fighting. If we take
22 tax money from the people and give it to a
23 private corporation, why don't we just give it

Cape Wind Energy Project - March 13, 2008

1 at this hearing, but also on the hearing in
2 Nantucket, which I was able to attend as
3 well -- or at the very least, windmills at
4 Otis International Base.

5 Green energy? We all say yes. Do
6 we need -- no, require green energy? Yes. Is
7 Cape Wind in Horseshoe Shoal the solution?
8 No. Is it an issue of safety? Yes. Sandy
9 Taylor at the Nantucket hearing shared this
10 quote with us: "Deliberate often, decide
11 once." Public interest? We need to be
12 concerned about the safety of this issue.

13 Offshore deepwater energy now.
14 Thank you for listening.

15 MR. MOORE: Thank you. Next? I
16 think it's 93. 94?

17 MR. BORDEN: Hi. I'm William
18 Borden again. I've lived in Falmouth for 35
19 years. I want to tell you I overwhelmingly
20 support this project. I consider myself an
21 environmentalist, so I don't take it lightly
22 that Nantucket Sound is going to be tore up,
23 at least when they build it.

Cape Wind Energy Project - March 13, 2008

1 to the people? It seems that -- I 33 years
2 ago put three solar collectors on my roof, 33
3 years ago, and it has saved me over 75 percent
4 a year in fuel. Thank you.

5 MR. MOORE: Thank you very much.
6 90, 91, 92.

7 MS. CHARDER: My name is Ara
8 Charder, a Nantucket resident for 31 years. I
9 thank you for holding this hearing and
10 allowing us the opportunity to discuss the
11 destiny of our very fragile and pristine
12 waterway, Nantucket Sound, and more
13 specifically Horseshoe Shoal. It is good to
14 hear so many individuals in this room
15 recognize the need for green energy now, and I
16 applaud everyone. Teddy Roosevelt started the
17 preservation of our national treasures with
18 his recognition of the unique and pristine
19 Pelican Island, Florida. JFK continued with
20 the preservation of the National Seashore.
21 There are other opportunities.

22 Please consider offshore deepwater
23 energy. Blue H has been brought up not only

Cape Wind Energy Project - March 13, 2008

1 I'm also a Vietnam vet, disabled,
2 and I know that this country is going to have
3 to continue to go to war over cheap oil, and
4 so many people, our soldiers, are dying and
5 come back disabled, and I can't imagine what
6 it was like to be a father of an Iraqi family
7 and find out what has happened to them. So
8 the costs for this cheap oil are too much, too
9 much of human life and too much -- it's just
10 not right.

11 I'm also a retired master sergeant.
12 I worked for 26 years in avionics, radar and
13 navigation systems. And I can tell you that
14 most of the stuff I heard on the U.S. Air
15 Force talked about the radar problems. They
16 did the study after the British, and they
17 found it wasn't a problem. My experience with
18 radar and navigation systems, it's not cutting
19 it. I think that there isn't any problem with
20 these windmills or that causes them a problem.

21 The real problem is that Barnstable
22 Airport is where it is. It needs to be moved
23 to Otis, since they closed it down, and then

Cape Wind Energy Project - March 13, 2008

1 the flights and the noise and all the other
2 stuff they talked about will pretty much fix
3 themselves.
4
5 I guess the way I look at it, I
6 have no problem -- this will be the first wind
7 farm, and I'd like to see wind farms up and
8 down the coast. And that would be our major
9 energy source, and we wouldn't have to go
10 fight China and India and all the rest. It's
11 going to happen. World War III is going to
12 happen.

13 MR. MOORE: Thank you. 97?

14 MR. LANKARGE: Hi. I'm Peter F.
15 Lankarge, of Brighton. For the last several
16 weeks I've been wearing a Yes to Wind button
17 on my jacket all around Boston, and I've
18 received such a warm reception from so many
19 excited strangers, who stopped and told me
20 they support the cause as well.

21 The excitement over the potential
22 for clean energy has become so, so palpable
23 here in the Commonwealth. The Cape Wind
24 project gives Massachusetts the opportunity to

Cape Wind Energy Project - March 13, 2008

1 Wind turbines spin intermittently
2
3 at best or not at all because wind is
4 variable. Water currents are 1,000 times as
5 dense and forceful as wind currents. These
6 underwater turbines have been tested with
7 amazing success in New York City's East River.
8 When a single test turbine was installed, it
9 powered a huge supermarket and a four-story
10 car garage. With a Federal license, the
11 manufacturer can next install 300 turbines at
12 the edges of the East River, providing power
13 for 8,000 homes.

14 Imagine the entire length of the
15 Cape Cod Canal lined with single-file ranks of
16 turbines on each edge. A thin line of buoys
17 notifies mariners of their position. The
18 turbine blades churn slowly enough not to harm
19 aquatic life.

20 In Europe tidal power is nothing
21 new. In France, a hydrokinetic facility was
22 begun in 1960 and has been providing power to
23 90 percent of Brittany for over 40 years.

24 And now, please don't underestimate

Cape Wind Energy Project - March 13, 2008

1 lead this nation's push towards a clean
2 future. What an opportunity to save the
3 planet, from the comfort of our back yard.
4 Let's get this wind farm up and running and
5 make our sound an icon in this movement to
6 clean up our country's approach to energy
7 production. Thank you.

8 MR. MOORE: 96. I want to make
9 sure that we've got 97, 98, 100, 101.

10 MR. OLIVIERI: I'm Luke Olivieri,
11 part-time resident for 44 years on the
12 gorgeous Cape Cod. I think everybody in this
13 room wants the same thing: clean, renewable
14 energy. It is a must. Let me propose a green
15 energy project that truly will work on the
16 Cape or any coastal area, providing unlimited
17 electricity without pollution, the tidal
18 turbine. The tidal turbine operates
19 underwater, completely out of sight. Only 20
21 feet in diameter, it generates electricity for
22 an uninterrupted 23 hours per day. There's
23 only one hour per day it won't spin, when the
24 tides change.

Cape Wind Energy Project - March 13, 2008

1 the power of the people. It's time to seek an
2 injunction in Federal Court to place a
3 moratorium on the Cape Wind proposal in its
4 current form, to allow other proposals, such
5 as tidal turbines, offshore strategies, and
6 wave energy and solar technologies to be
7 brought to the table. We all deserve due
8 diligence. The Cape Wind is --

9 MR. MOORE: It's time. Please
10 finish. Thank you.

11 So we are at 98. 101, 102, 103,
12 104, and 105.

13 MR. MEYER: Good evening. I'm Bill
14 Meyer, and I live in Boston and West Tisbury
15 on Martha's Vineyard on the shore of Nantucket
16 Sound, which is beautiful now and will still
17 be beautiful when the symbols, the shining
18 symbols of the future rise in the distant
19 horizon.

20 On behalf of the scores of citizens
21 who have worked for seven years for the Cape
22 Wind project, thank you for your initial
23 endorsement. On behalf of my two
24

Cape Wind Energy Project - March 13, 2008

1 granddaughters, thank you. The Cape Wind
2 project will make their future clearer and
3 healthier.

4 I advise you board members to
5 beware the wealthy waterfront homeowners and
6 their influential politicians. They will try
7 to discredit your environmental studies. They
8 have already succeeded in delaying the wind
9 farm in Nantucket Sound five years, five years
10 now. Those are precious five years.

11 Cape Wind Associates had \$8 million
12 in hand and planned to activate the project in
13 2006. Now it is planning a 2011 operational
14 date. Time is of the essence. The health of
15 the planet hangs in the balance.

16 The chairman of the U.N. commission
17 which received a Nobel Prize for alerting the
18 world on the immediate dangers of global
19 warming recently said, "What we do in the next
20 two to three years will determine our future."

21 MR. MOORE: Thank you very much.
22 100, and then 106, 107, 108, 109, and 110,
23 please come up.

Cape Wind Energy Project - March 13, 2008

1 MR. STIMPSON: Chris Stimpson, a
2 director of Clean Power Now and executive
3 campaign for Solar Nation. About an hour ago
4 Mr. Wattlely, of the Flat Earth Society, asked
5 Cape Wind to explain how they're going to
6 charge for their electricity. Since
7 Mr. Gordon has already had his turn at the
8 microphone, can I have a crack at this? Thank
9 you.

10 It's time to set the record
11 straight concerning the cost of electricity
12 for Cape Wind to the user, which will not be
13 double or triple, as has recently been
14 claimed. Let me explain how Cape Wind can
15 sell their power.

16 First, they sign a power-purchase
17 agreement with a retail distributor like NSTAR
18 for all or some of their power. The retail
19 distributor, operating in the competitive
20 market, wants to buy the lowest cost, and no
21 one is forced to buy at some mythically high
22 price. It's what's known as the market.

23 Two, Cape Wind can offer its power

Cape Wind Energy Project - March 13, 2008

1 to the hourly spot market run by ISO New
2 England as a bid stack arranged from low to
3 high. When the sum of the power offered
4 reaches the anticipated load for that hour,
5 the clearing price is established. If your
6 bid was below the clearing price, you get to
7 sell your power into the grid. If it wasn't,
8 you don't. It's called the market.

9 One important note: ISO rules
10 allow renewable energy, such as hydro and
11 wind, to be bid into the bottom of the bid
12 stack, at a fuel cost of zero, since that is
13 what the fuel costs.

14 MR. MOORE: Slow down a little bit.

15 MR. STIMPSON: The written comments
16 have already been submitted. So the most
17 expensive offer is typically oil plants like
18 the Canal plant in Sandwich, which will tend
19 to be plucked off the top of the bid stack,
20 thereby lowering the clear price paid to all
21 successful bidders and reducing the cost of
22 electricity to you and me.

23 So the fact is that wind must

Cape Wind Energy Project - March 13, 2008

1 compete in the wholesale market, and it will
2 always lower, not increase, the cost of
3 electricity to the end user. In fact, the
4 Massachusetts Energy Facilities Siting Board
5 has estimated that New England customers will
6 save \$25 million per year as a result of this
7 fact. So thank you, gentlemen, and thank you,
8 Jim.

9 MR. MOORE: Thank you very much.
10 We're jumping a bunch of numbers. I need to
11 know here. 104? I would like -- who is above
12 110, how many people do we have here? 111,
13 1112, 113, 114, and 115. Anyone in these
14 numbers? 116, 117, 118, 119, 120, 121, 122,
15 123. I think we've got some full seats up
16 here.

17 Please.

18 MR. PHILIP LaCOMBE: Thank you.

19 I'd like to start out by saying that I'm a
20 proud resident of Massachusetts. I grew up in
21 Western Mass., and I currently attend
22 university at Brandeis University at Waltham.

23 From a young age I was taught to

Cape Wind Energy Project - March 13, 2008

1 respect the environment. As a little kid I
2 was taught to conserve water, recycle, and
3 turn off the lights when I left the room.
4 Unfortunately, like most other young children,
5 I didn't necessarily listen to my parents when
6 they said to turn off the light. It didn't
7 really matter that much to me.

8 However, recently I've learned that
9 the power that I get in Western Mass. comes
10 from two power plants, which are either
11 natural gas or coal. Unfortunately in my part
12 of the state we don't have potential for wind,
13 solar, geothermal, or hydroelectric, like we
14 do in the eastern part.

15 I would really like that if the
16 people of Cape Cod and the Islands could enjoy
17 clean power. I think that if the children
18 wouldn't have to worry so much about when they
19 turn on that light and when they turn it off,
20 it would be great for the residents of our
21 state.

22 Unfortunately, I won't be able to
23 enjoy the benefits of wind power. Someone
24

Cape Wind Energy Project - March 13, 2008

1 earlier asked me, you're from western
2 Massachusetts, why are you here? I told him
3 I'm here because this is such a great project
4 and I had to support it in any way that I
5 could. I really appreciate you staying here
6 so late that I can submit my comments.

7 The power that comes from Cape Wind
8 will be more than the coal-fired plant that's
9 in Holyoke, Massachusetts. I believe this
10 will be a huge benefit for our state. If that
11 power doesn't come from Cape Wind, it has to
12 come from somewhere, whether it's from
13 Somerset, which is also coal, or a nuclear
14 plant. I hope that people realize, especially
15 the fishermen, that the 41 percent of the
16 mercury that's in our fish comes from power
17 plants. I hope that we consider these
18 important things and have Cape Wind for our
19 state and for our country.

20 MR. MOORE: Thank you very much.
21 Speaker No. 110, you're on.

22 MR. BOUCHIER: Good evening. My
23 name is Oliver Bouchier, and I wish to add my
24

Cape Wind Energy Project - March 13, 2008

1 voice in support of the Cape Wind project. It
2 is my belief that we need to act immediately
3 to reduce energy consumption and to find every
4 way imaginable to produce clean, renewable
5 energy. Cape Wind will be a small but highly
6 visible step in that direction, and I believe
7 that its wind turbines will soon be seen as
8 things of beauty and symbols of hope. Thank
9 you.

10 MR. MOORE: Thank you very much.
11 What are your numbers? 118? 119, 121.

12 MR. GONELL: I am here today to
13 plead the case of the U'wa tribe of
14 Northeastern Colombia and other surrounding
15 communities of that area. It may seem odd to
16 many of you that I bring up the plight of a
17 people that live so far from us, but the
18 reason why what is happening down there is so
19 important is because we are directly
20 connected. This is because the vast majority
21 of the cities on the Eastern Seaboard of the
22 U.S. use coal from this region to generate
23 energy. I have seen this coal coming into the
24

Cape Wind Energy Project - March 13, 2008

1 Salem Harbor, of Salem, Massachusetts. Let me
2 tell you, it's dirty coal. And by dirty I
3 don't mean that it's bad for the environment,
4 because that's obvious. But what I mean is
5 that it's dirty as in blood-dirty.

6 While in Colombia I witnessed with
7 my own eyes the atrocities and blatant human
8 rights violations being implemented against
9 the inhabitants of the area by a U.S.-owned
10 mine. It's called the Drummond mine, and it's
11 based in Arkansas.

12 In Columbia entire indigenous
13 villages have been displaced, leaving
14 thousands of peasants homeless. These people
15 have nothing but the land they own and work.
16 The natural running water of these regions is
17 purposely contaminated by the mine in an
18 attempt to poison the wildlife and kill the
19 inhabitants' sort of livelihood. The mine
20 does this to force the indigenous inhabitants
21 to leave the area so that the mine can expand.

22 The coal mine makes sure that its
23 workers, who are bused in from cities that are
24

Cape Wind Energy Project - March 13, 2008

1 far away, remain apathetic to these atrocities
 2 by simply silencing them by way of death
 3 threats. So far, since 2001 three union
 4 leaders in Colombia have been assassinated by
 5 paramilitaries that have been hired by this
 6 American coal mining company. The case is now
 7 being discussed in Colombia. There needs to
 8 be action taken against this. We need to find
 9 new sources of energy.

11 MR. MOORE: Thank you. 119, and
 12 then above 121, 122, 123, 124, 125, 126.
 13 Anybody above 126? Will the two of you come
 14 up. Thank you. Yes, sir, please.

15 MR. ADLER: My name is Charles
 16 Adler. I am a resident of Attleboro, have
 17 been a resident of southeastern Massachusetts
 18 for most of my life, and I've also lived and
 19 worked on the Cape.

20 Having held elective office as a
 21 member of the Attleboro Municipal Council and
 22 served on many other appointed boards, I am
 23 sympathetic to the task that you of the
 24 Minerals Management Service face as public

Cape Wind Energy Project - March 13, 2008

1 officials to hear all the testimony and weigh
 2 all the evidence before making your
 3 recommendations. But if you use the public
 4 interest as your guide, I believe you must
 5 conclude that this project should go forward.

7 Three decades ago energy consultant
 8 and practical visionary Amory Lovins wrote a
 9 book urging our country to take the soft path
 10 to energy independence through renewable
 11 energy sources such as solar, wind, and hydro
 12 power and through conservation. If we had
 13 taken the advice of Lovins and others back in
 14 the 1970s, we have might have reduced or
 15 eliminated our dependence on Middle East oil.
 16 As a result, our country might have been less
 17 likely to become entangled in a military
 18 operation in Iraq that is weakening our
 19 economy, costing many lives, and damaging our
 20 international reputation. However, it's not
 21 too late to take the soft path, and arguments
 22 for moving to sustainable energy sources are
 23 now stronger than ever.

24 It was here in Massachusetts that

Cape Wind Energy Project - March 13, 2008

1 our nation's war of independence began, with a
 2 shot heard round the world. In hosting the
 3 Cape Wind project, our state would be firing a
 4 shot for energy independence and a clean
 5 environment.

7 The visual impact the project will
 8 have on the view from the Cape and the Islands
 9 has generated legitimate concern. When the
 10 Eiffel Tower was built, the leading artists of
 11 the day wrote a letter of protest, describing
 12 the tower as an odious column of bolted metal
 13 whose shadow would spread across the city like
 14 an ink stain. Gustave Eiffel replied in his
 15 own defense that the very conditions which
 16 give strength also conform to the hidden rules
 17 of harmony. In other words, a structure
 18 designed purely according to engineering
 19 principles could, without ornament, be
 20 pleasing to the eye. History has proven
 21 Eiffel correct. Thank you.

22 MR. MOORE: Thank you very much.
 23 No. 121.

24 AUDIENCE MEMBER: My name's

Cape Wind Energy Project - March 13, 2008

1 Kathryn. I'm 22 years old. I spent 14 years
 2 living in Medfield, Massachusetts, spending
 3 every summer in Dennis, Massachusetts.

5 If wind turbines were put up on the
 6 beach I grew up on, I would be upset. A wind
 7 project would affect the habitat and fishing
 8 of that ecosystem. But wind power's impact on
 9 the environment is not unique. All power has
 10 an impact. Even if Cape Wind negatively
 11 impacts species such as fish and birds, it
 12 ought to be built.

13 I'd like to cordially welcome the
 14 Save Our Sound folks to the real world.
 15 Conventional power plants are ugly, too.
 16 Nuclear power plants are ugly. Coal stacks
 17 are ugly. Conventional power plants harm
 18 species, too. But the species impacted by
 19 conventional power is our species, human
 20 beings.

21 I currently live in Connecticut in
 22 the City of Hartford. I live less than four
 23 miles from a trash-to-energy plant, where
 24 trash is burned to generate electricity.

Cape Wind Energy Project - March 13, 2008

1
2 Plastics are often burned, and we inhale the
3 fumes. But we accept this generation source
4 because we know electricity generation has to
5 be put somewhere. We sacrifice.

6 I am here to ask the MMS to hasten
7 the approval process of Cape Wind. I am
8 asking the residents of Nantucket to empathize
9 with other Americans, like myself, and my
10 fellow citizens in Hartford, who live by
11 energy resources that cause negative impacts.

12 I use only 200 kilowatt-hour a month
13 in a apartment I share with my roommate. If
14 everyone in this auditorium used this amount
15 of electricity or less, maybe we wouldn't need
16 to build new generation. But when opponents
17 of the Cape Wind project don't even know how
18 much electricity they use, I have trouble
19 believing that those opponents are serious
20 about energy efficiency.

21 I am confident that if the Cape
22 Wind project is evaluated with logic and
23 science, it will be built. I know the
24 nation's first offshore wind turbine fell into

Cape Wind Energy Project - March 13, 2008

1 a situation where it wasn't clear what agency
2 would evaluate this project, but if you told
3 me the MMS would have to listen to the
4 emotional lives of Nantucket water
5 enthusiasts, I would laugh. I am wrapping up.

6 MR. MOORE: One sentence.

7 AUDIENCE MEMBER: I have literally
8 two. Sometimes I think it's funny, but mostly
9 I think it's sad that while sea levels are
10 rising, people talk about esthetics.
11 Opposition to this project is indefensible.
12 The project must be built.

13 MR. MOORE: If you're willing to
14 share what you wrote, it will help him.

15 I don't know what your numbers are,
16 but you're very high. 129. Okay, 129.

17 MR. BORRUS: Good evening. Thanks
18 to the Minerals Management Service for your
19 perseverance here. My name is David Borrus.
20 I'm a business representative for Piledrivers
21 Local 56. I'm here tonight representing over
22 500 marine construction workers. And we have
23 long supported the Cape Wind project, for many
24

Cape Wind Energy Project - March 13, 2008

1 years now.

2 In fact, I was reviewing some
3 letters of support we'd written in the past to
4 get an idea of what I was going to say
5 tonight. The first one I looked at I noticed
6 it said, "With the price of oil at over \$60 a
7 barrel" -- you can see we wrote that one some
8 time ago. In fact, the price of oil has long
9 passed \$60 a barrel. It's long passed \$100 a
10 barrel. And quite frankly, we believe it's
11 long past time to build the Cape Wind project.

12 The Cape Wind project is a
13 win-win-win for all of us. It's a win because
14 it will provide good jobs with good benefits
15 for the citizens of the Commonwealth of
16 Massachusetts. It will produce clean
17 renewable energy without carbon footprint.
18 It's a win because it secures our energy
19 independence.

20 But perhaps the most important win
21 will be for our children and our
22 grandchildren. Let's not kid ourselves. Each
23 day we deliberate over the view of a few, our
24

Cape Wind Energy Project - March 13, 2008

1 addiction to fossil fuels makes our world for
2 us and for future generations that much more
3 perilous, environmentally, economically, and
4 politically.

5 Over a thousand years ago the Rabbi
6 Hillel asked the question we all need to
7 answer: If not now, when? On behalf of
8 Piledrivers Local 56 and the New England
9 Regional Council of Carpenters, we urge you to
10 approve the EIS statement and let's build this
11 power plant. Thank you.

12 MR. MOORE: Thank you. Is anyone
13 above 141? Would you please come up, too. So
14 anyone else above 141. Thank you.

15 MS. GORDON: Hello. Hi. My name
16 is Meg Gordon, and my husband, Jim Gordon, is
17 the developer of the Cape Wind project. As a
18 young child, my mother used to rent a home in
19 Chatham every year, and I looked forward to
20 going through every summer. It was our only
21 vacation. I still go back to the Cape every
22 summer. I still look forward to it. I never
23 knew that Cape Cod and its beaches and some of
24

1 Cape Wind Energy Project - March 13, 2008

2 those same places I went to as a child would
3 become so much a part of my life and my
4 family's life.

5 A lot of people ask Jim and I how
6 we keep going and why we keep going. The only
7 thing I can tell you is that I hope and I pray
8 that you look at the facts of this project and
9 nothing more, just the facts. Whether we
10 prevail or we don't, I believe in my heart
11 that my husband has done the right thing.
12 Thank you.

13 MR. MOORE: Thank you very much.
14 Sir?

15 AUDIENCE MEMBER: My name is
16 (inaudible). I live on the Cape. I didn't
17 realize it was going to be such an intimate
18 setting by the time I got here.

19 About a month ago, after listening
20 to all the rhetoric and the propaganda, I
21 guess from both sides for seven years I came
22 to realize I didn't really understand what
23 this stuff is about. So I decided to do some
24 research, went to the Web, and I've done a lot

1 Cape Wind Energy Project - March 13, 2008

2 of research over the last month.

3 And what I found is to me
4 astonishing. It leads me with only one
5 conclusion, and that is you have to reject
6 this thing on its merits. The reason you have
7 to reject it on its merits is wind is
8 inherently a failed technology. Here are the
9 reasons why. One? It's grossly unreliable.
10 Two, it's wildly erratic and unpredictable
11 when it is running. Three, it can't be
12 scaled. A little bit more on each.

13 Unreliable: I went to a number of
14 studies done about every wind power farm I
15 could find on the planet, the United States,
16 Canada, the UK, Denmark. There isn't a wind
17 farm that I could find that was documented
18 that operates more than 30 percent of the
19 time. Stated another way, 70 percent of the
20 time they're doing nothing. How can you
21 assign this technology to something we need so
22 badly?

23 No. 2, they're erratic and
24 unpredictable when they are running. What's

1 Cape Wind Energy Project - March 13, 2008

2 the impact of this? When the wind is blowing,
3 it's gusting 21 knots one minute, running at 5
4 to 10 knots another minute. It puts an
5 enormous strain on the power grids that manage
6 them. They don't as a result power down their
7 systems and all of these rosy savings
8 announcements are never achieved.

9 Finally, scalability: 26 square
10 miles, that's half the size of the Town of
11 Barnstable. How many of these are you going
12 to build and where are you going to build
13 them?

14 On those three very important
15 reasons, you have to reject this. Wind power
16 will not be the answer for us ever, ever. It
17 hasn't been anywhere around the world today.
18 The only reason why they would build is
19 because there are subsidies everywhere you go,
20 including this one. Cape Wind would not build
21 this without the subsidies. That's the only
22 way they exist.

23 MR. MOORE: It's about time. Thank
24 you. Does anyone else have a number? I think

1 Cape Wind Energy Project - March 13, 2008

2 not.

3 So I think that we've come to the
4 end of our four days of hearings. It's
5 interesting: As we've gone through this,
6 there have been a lot of different ways that
7 all of you as citizens both of here and
8 farther across the country and around have
9 tried to persuade each other. You presented
10 facts, studies. We've heard a lot of local
11 knowledge, logic, personal stories, appeal to
12 big pictures. We've heard visions. We've
13 heard concerns. We've heard fear. We've
14 heard humor, emotion, passion. And we've also
15 heard hope.

16 This is a tribute to all of you,
17 both to try to persuade each other and to try
18 to bring light to Minerals Management Service
19 and in fact to all of us on a very, very
20 difficult issue. It's one that affects us
21 locally, regionally, nationally, and probably
22 globally.

23 So now your information is in to
24 MMS, along with at the end of the comment

Cape Wind Energy Project - March 13, 2008

1 period where you can send additional comments.
2
3 And it will have to be deliberated upon, and
4 ultimately there will be a decision. But I
5 think you can rest assured that the input that
6 you've had will be considered, and it will be
7 considered carefully, and there will
8 ultimately be a decision, and hopefully it
9 will be one that will be good for all of us.

10 So Jennifer and I from CDR would
11 like to thank all of you, thank MMS, and thank
12 the university here. And I'd like to turn it
13 over to Rodney to close the meeting.

14 MR. CLUCK: It's been an
15 interesting week. I have to say, I'm a little
16 glad it's over, because I'm tired. But thank
17 you all for all your thoughtful comments.
18 They will all be considered. We do have our
19 work cut out for us.

20 I want to thank Chris Moore from
21 CDR, Jennifer, and TRC, and our stenographer;
22 it's been rough for him. So thank you all.
23 Good night.

24 (11:40 p.m.)

Cape Wind Energy Project - March 13, 2008

REPORTER'S CERTIFICATE

1
2
3
4 I, Alan H. Brock, the officer
5 before whom the foregoing proceedings were
6 taken, do certify that this transcript is a
7 true record of the proceedings on March 13,
8 2007.
9

10
11
12 _____
13 Alan H. Brock, RDR, CRR
14
15
16
17
18
19
20
21
22
23
24

\$	<p>104 [2] - 233:13, 237:12</p> <p>105 [1] - 233:13</p> <p>106 [1] - 234:23</p> <p>107 [1] - 234:23</p> <p>108 [1] - 234:23</p> <p>109 [1] - 234:23</p> <p>11 [2] - 73:4, 77:5</p> <p>110 [5] - 61:6, 166:8, 234:23, 237:13, 239:22</p> <p>1100 [1] - 86:2</p> <p>111 [1] - 237:13</p> <p>1112 [1] - 237:14</p> <p>113 [1] - 237:14</p> <p>114 [1] - 237:14</p> <p>115 [1] - 237:14</p> <p>115-kVa [1] - 11:2</p> <p>116 [1] - 237:15</p> <p>117 [2] - 166:7, 237:15</p> <p>118 [2] - 237:15, 240:12</p> <p>119 [3] - 237:15, 240:12, 242:11</p> <p>11:40 [1] - 254:24</p> <p>11th [2] - 102:12, 152:15</p> <p>12 [6] - 73:4, 77:5, 148:8, 171:8, 199:7, 222:24</p> <p>120 [2] - 116:3, 237:15</p> <p>121 [4] - 237:15, 240:12, 242:12, 244:23</p> <p>122 [2] - 237:15, 242:12</p> <p>123 [2] - 237:16, 242:12</p> <p>124 [1] - 242:12</p> <p>125 [1] - 242:12</p> <p>126 [2] - 242:12, 242:13</p> <p>128 [1] - 169:7</p> <p>12866 [1] - 196:5</p> <p>129 [2] - 247:17</p> <p>13 [9] - 1:10, 10:21, 39:11, 73:4, 77:5, 80:24, 159:10, 200:23, 255:8</p> <p>13-year [1] - 150:4</p> <p>13.3 [1] - 157:12</p> <p>130 [13] - 10:23, 12:2, 12:12, 19:3, 30:22, 36:9, 43:20, 47:23, 67:6, 109:3, 145:10, 205:3, 224:20</p> <p>130-turbine [1] -</p>	<p>60:12</p> <p>14 [3] - 77:5, 200:13, 245:2</p> <p>141 [2] - 249:14, 249:15</p> <p>146 [1] - 156:7</p> <p>14th [1] - 152:15</p> <p>15 [8] - 6:8, 77:5, 80:24, 84:10, 91:22, 100:7, 130:7, 148:12</p> <p>15-minute [1] - 91:21</p> <p>150-plus [1] - 94:22</p> <p>1500 [1] - 122:17</p> <p>16 [4] - 71:12, 80:24, 85:15, 142:19</p> <p>160 [2] - 117:10, 190:8</p> <p>165 [1] - 104:18</p> <p>17 [2] - 80:24, 200:9</p> <p>1700 [1] - 125:20</p> <p>175,000 [1] - 198:22</p> <p>18 [6] - 80:24, 89:18, 147:23, 148:4, 148:24</p> <p>182 [4] - 148:6, 148:20, 148:24, 226:16</p> <p>182.6 [1] - 147:21</p> <p>1837 [1] - 102:5</p> <p>185,000 [1] - 187:6</p> <p>1859 [1] - 222:20</p> <p>19 [2] - 77:14, 92:2</p> <p>1938 [2] - 226:11, 226:14</p> <p>1960 [1] - 232:22</p> <p>1970 [1] - 64:12</p> <p>1970s [1] - 243:14</p> <p>1971 [1] - 167:24</p> <p>1980 [2] - 168:10, 168:18</p> <p>1983 [1] - 7:7</p> <p>1987 [1] - 124:17</p> <p>1990s [1] - 111:18</p> <p>1992 [1] - 186:19</p> <p>1993 [1] - 150:5</p> <p>1995 [1] - 77:13</p> <p>1997 [1] - 52:9</p>	<p>2.6.1 [1] - 213:6</p> <p>20 [14] - 86:16, 92:18, 94:18, 97:13, 112:4, 116:2, 126:23, 151:12, 173:7, 178:17, 211:17, 213:22, 213:23, 231:20</p> <p>20,000 [1] - 171:22</p> <p>200 [3] - 101:21, 136:20, 246:12</p> <p>200-mile [1] - 78:5</p> <p>2001 [5] - 63:23, 101:8, 103:10, 140:4, 242:4</p> <p>2003 [4] - 116:5, 146:4, 196:24, 197:10</p> <p>2004 [4] - 38:2, 38:13, 158:15, 174:12</p> <p>2005 [1] - 7:12</p> <p>2006 [5] - 21:6, 74:12, 119:21, 150:5, 234:14</p> <p>2007 [2] - 170:22, 255:9</p> <p>2008 [2] - 1:10, 74:12</p> <p>2011 [1] - 234:14</p> <p>2025 [1] - 187:4</p> <p>2050 [1] - 55:12</p> <p>206 [1] - 197:18</p> <p>209 [1] - 209:22</p> <p>21 [3] - 96:14, 252:3</p> <p>21st [5] - 9:24, 81:16, 82:6, 143:11, 146:9</p> <p>22 [7] - 96:14, 98:4, 148:10, 148:16, 178:18, 222:10, 245:2</p> <p>22,000 [1] - 36:5</p> <p>23 [5] - 99:18, 99:19, 190:6, 200:5, 231:22</p> <p>230 [1] - 148:15</p> <p>23rd [1] - 132:22</p> <p>24 [7] - 98:5, 101:6, 123:13, 145:12, 148:23, 169:10, 171:11</p> <p>24-and-a-half-square-mile [1] - 79:18</p> <p>24/7 [1] - 147:24</p> <p>25 [9] - 22:18, 25:14, 29:9, 31:3, 31:14, 98:5, 103:14, 130:7, 151:14</p> <p>25-square-mile [3] - 49:6, 75:12, 103:22</p> <p>252 [1] - 80:11</p> <p>26 [5] - 98:5, 106:7, 178:6, 229:13, 252:9</p>	<p>27 [4] - 9:7, 80:10, 98:5, 108:7</p> <p>28 [4] - 108:7, 108:8, 110:11, 110:19</p> <p>29 [2] - 108:7, 108:8</p>
'			3	
<p>'60s [2] - 99:23, 226:10</p> <p>'fact [1] - 51:4</p> <p>'health' [1] - 208:16</p> <p>'round [1] - 160:20</p>			<p>3 [7] - 36:6, 76:8, 131:14, 157:19, 173:18, 222:21, 226:14</p> <p>30 [17] - 15:19, 17:7, 94:8, 97:4, 97:5, 105:3, 108:8, 112:4, 114:24, 151:11, 164:20, 170:16, 170:20, 170:22, 183:2, 196:17, 251:18</p> <p>30,000 [1] - 92:18</p> <p>300 [4] - 101:21, 106:13, 159:4, 232:11</p> <p>300,000 [1] - 37:19</p> <p>30th [1] - 25:9</p> <p>31 [4] - 108:8, 117:5, 227:9</p> <p>32 [1] - 114:24</p> <p>33 [3] - 114:24, 227:2, 227:3</p> <p>33-kilovolt [1] - 10:24</p> <p>34 [4] - 114:24, 123:21, 156:12, 156:20</p> <p>35 [3] - 114:24, 128:17, 228:19</p> <p>350 [1] - 158:24</p> <p>36 [3] - 123:22, 128:17, 171:11</p> <p>365 [2] - 147:24, 148:23</p> <p>37 [1] - 123:22</p> <p>38 [2] - 123:22, 132:17</p> <p>39 [2] - 123:22, 133:20</p>	
1			4	
<p>1 [6] - 26:12, 59:22, 60:2, 91:7, 157:19, 222:20</p> <p>1,000 [4] - 60:11, 103:12, 113:5, 232:4</p> <p>1,400 [1] - 2:17</p> <p>1,600 [1] - 159:8</p> <p>1-297 [1] - 1:1</p> <p>1.2 [1] - 26:14</p> <p>1.6 [1] - 148:21</p> <p>1.7 [1] - 197:13</p> <p>1/2 [2] - 85:10, 131:14</p> <p>10 [8] - 73:4, 77:5, 112:12, 148:4, 148:11, 173:7, 222:24, 252:4</p> <p>10,000 [1] - 73:10</p> <p>10-story [1] - 75:13</p> <p>10.9 [1] - 197:12</p> <p>100 [8] - 1:12, 101:21, 112:3, 136:20, 152:8, 159:15, 231:10, 234:23</p> <p>100,000 [1] - 216:4</p> <p>100-year [1] - 221:5</p> <p>101 [2] - 231:10, 233:12</p> <p>102 [1] - 233:12</p> <p>103 [1] - 233:12</p>	<p>2</p> <p>2 [7] - 61:20, 115:23, 164:13, 171:9, 221:15, 222:21, 251:23</p> <p>2,000 [1] - 158:16</p> <p>2,500 [1] - 33:3</p> <p>2.3 [1] - 124:18</p> <p>2.4.3.3 [1] - 212:14</p> <p>2.5-billion-dollar [1] - 197:14</p>	<p>2</p> <p>2 [7] - 61:20, 115:23, 164:13, 171:9, 221:15, 222:21, 251:23</p> <p>2,000 [1] - 158:16</p> <p>2,500 [1] - 33:3</p> <p>2.3 [1] - 124:18</p> <p>2.4.3.3 [1] - 212:14</p> <p>2.5-billion-dollar [1] - 197:14</p>	<p>4 [3] - 86:20, 197:12, 221:15</p> <p>4.22 [1] - 141:13</p> <p>4.4.3.1 [1] - 36:18</p> <p>4.8 [1] - 76:14</p> <p>40 [8] - 76:5, 76:17, 78:4, 126:10, 126:11, 135:6, 176:19, 232:23</p> <p>40,000-gallon [2] - 75:13, 145:8</p>	

<p>400 [1] - 163:23 400,000 [2] - 47:17, 76:7 400-megawatt [1] - 112:15 41 [5] - 126:11, 133:21, 137:17, 147:13, 239:16 42 [4] - 100:17, 128:17, 133:21, 137:17 420 [1] - 190:9 43 [4] - 128:18, 133:20, 133:21, 135:7 43,000 [1] - 82:16 43-story [1] - 75:11 44 [3] - 47:24, 135:7, 231:12 44-story [1] - 49:6 440 [2] - 10:24, 30:24 440-feet [1] - 15:5 440-foot [1] - 50:4 45 [2] - 135:7, 149:14 46 [3] - 135:7, 143:21, 149:14 468 [1] - 10:17 468,000 [1] - 187:5 47 [4] - 143:21, 149:15, 198:7, 199:7 48 [2] - 143:21, 151:3 49 [3] - 143:21, 151:4, 152:10</p>	<p style="text-align: center;">6</p> <p>6 [5] - 59:22, 67:23, 85:10, 170:6, 209:6 6,000 [2] - 85:18, 85:24 6-to-8-foot [1] - 96:4 60 [6] - 104:22, 117:11, 161:8, 167:9, 169:13, 171:17 600 [1] - 96:19 600,000 [1] - 36:7 61 [2] - 21:8, 171:17 62 [2] - 173:12, 196:24 622 [1] - 197:18 64 [1] - 177:23 65 [4] - 12:3, 12:6, 12:10, 167:9 66 [4] - 171:17, 180:7, 180:8, 182:10 67 [6] - 171:17, 180:7, 180:9, 182:8, 184:6 68 [1] - 180:9 69 [1] - 188:15 6:02 [1] - 2:2</p>	<p>111:4, 212:10 800 [1] - 122:13 81 [3] - 205:15, 214:2, 214:23 82 [3] - 205:15, 214:2, 214:23 83 [3] - 205:15, 212:10, 214:23 84 [1] - 212:10 85 [2] - 212:10, 218:24 850 [1] - 81:6 86 [4] - 74:9, 212:10, 214:2, 220:16 87 [3] - 214:2, 218:24, 220:16 88 [2] - 220:16, 225:15 880,000 [1] - 83:9 89 [2] - 220:16, 225:15 8:00 [1] - 91:20</p>	<p>86:22, 135:22, 145:17, 154:21, 202:23, 212:18, 225:3, 228:3, 238:23 absence [2] - 64:22, 208:18 absolute [2] - 23:24, 27:6 absolutely [5] - 77:2, 107:16, 130:18, 151:17, 152:3 absurd [1] - 134:8 abundant [1] - 142:16 abutters [1] - 45:15 accept [5] - 4:9, 4:13, 91:11, 129:16, 246:3 access [5] - 132:19, 145:3, 156:6, 156:9, 209:2 accident [1] - 67:8 accomplishments [1] - 138:16 accorded [1] - 138:9 according [6] - 33:3, 112:13, 147:22, 148:15, 158:22, 244:18 account [5] - 88:19, 88:23, 102:9, 138:4, 213:13 accounted [1] - 170:19 accurately [2] - 42:13, 117:21 achieve [3] - 62:24, 72:20, 89:24 achieved [2] - 170:23, 252:8 achievement [1] - 138:15 acid [1] - 128:4 acknowledge [2] - 122:23, 201:7 acquire [1] - 131:14 acre [1] - 187:15 acres [2] - 22:18, 25:14 act [6] - 40:10, 63:16, 123:17, 195:7, 203:18, 240:3 Act [4] - 7:13, 53:16, 57:14, 73:20 acting [1] - 50:12 ACTION [2] - 106:12, 107:22 action [22] - 11:22, 12:20, 12:21, 23:9,</p>	<p>38:24, 59:2, 74:20, 90:16, 107:8, 114:7, 115:8, 155:3, 180:17, 191:21, 192:2, 194:2, 194:23, 194:24, 196:20, 217:2, 220:14, 242:9 Action [3] - 113:4, 198:6, 199:6 actions [3] - 29:10, 52:14, 219:24 activate [1] - 234:13 active [5] - 19:4, 107:7, 115:8, 181:5, 181:8 activists [2] - 111:23, 152:14 activities [4] - 13:5, 99:13, 117:22, 117:23 activity [3] - 22:22, 43:22, 50:24 actual [1] - 149:8 ad [1] - 192:17 adamant [1] - 62:2 adaptive [2] - 121:8, 140:19 Add [1] - 216:12 add [10] - 56:16, 102:22, 158:12, 163:16, 168:18, 177:15, 188:10, 192:19, 199:4, 239:24 addicted [1] - 159:13 addiction [1] - 249:2 addition [9] - 32:18, 38:7, 58:11, 88:10, 88:18, 89:2, 89:17, 157:13, 211:3 additional [10] - 8:15, 37:19, 48:10, 120:6, 174:17, 188:5, 197:18, 200:7, 207:7, 254:2 Additional [1] - 37:14 Additionally [2] - 26:10, 30:15 address [19] - 10:4, 10:6, 10:7, 55:9, 55:18, 56:3, 56:7, 79:13, 87:21, 106:20, 111:2, 124:7, 172:23, 185:13, 185:16, 205:6, 217:20, 220:23, 224:14 addressed [4] - 68:22, 165:17, 166:11, 172:17 addresses [1] -</p>
<p style="text-align: center;">5</p>	<p style="text-align: center;">7</p> <p>7 [2] - 61:20, 71:6 70 [2] - 188:15, 251:19 700 [1] - 197:22 71 [1] - 193:9 73 [2] - 188:15, 197:24 74 [4] - 104:5, 104:20, 188:15, 199:12 744 [1] - 209:12 75 [4] - 82:18, 104:24, 188:15, 227:4 76 [1] - 188:15 77 [2] - 197:24, 205:14 78 [2] - 197:24, 207:23 780,000 [1] - 141:12 79 [2] - 197:24, 209:24</p>	<p style="text-align: center;">9</p> <p>9 [3] - 61:20, 74:24, 91:7 9-knot [1] - 79:21 9.1 [1] - 191:18 90 [7] - 76:13, 104:17, 118:23, 220:16, 225:15, 227:7, 232:23 91 [3] - 220:17, 225:15, 227:7 92 [3] - 220:17, 225:15, 227:7 93 [2] - 225:15, 228:17 94 [3] - 143:7, 225:15, 228:17 95 [1] - 225:16 952 [1] - 209:19 96 [2] - 225:16, 231:9 97 [2] - 230:13, 231:10 98 [2] - 231:10, 233:12 99 [1] - 100:22 9th [1] - 132:22</p>		
<p>5 [4] - 67:23, 141:10, 226:16, 252:3 5.1.1.1.11 [1] - 209:4 5.1.1.1.8 [1] - 209:4 50 [7] - 46:19, 58:9, 141:8, 151:4, 153:7, 187:3, 223:12 500 [1] - 247:23 500-foot [2] - 50:8, 158:6 51 [3] - 151:4, 152:10, 190:8 52 [2] - 151:4, 153:7 53 [1] - 153:7 54 [1] - 153:7 540 [1] - 198:9 55 [2] - 153:8, 161:8 56 [3] - 161:8, 247:22, 249:9 57 [3] - 135:11, 161:8, 165:8 58 [1] - 161:8 59 [2] - 161:8, 169:13</p>	<p style="text-align: center;">8</p> <p>8 [3] - 61:20, 73:3, 234:12 8,000 [1] - 232:13 8.2 [1] - 157:9 80 [4] - 81:7, 89:24,</p>	<p style="text-align: center;">A</p> <p>ability [7] - 30:9, 30:13, 37:7, 38:8, 80:7, 138:12, 138:19 able [17] - 3:10, 4:3, 15:2, 16:8, 41:2, 41:10, 54:24, 79:19,</p>		

224:10
adequacy [1] - 74:7
adequately [2] -
 21:12, 185:16
adherent [1] - 192:16
adjacent [1] - 36:11
ADLER [1] - 242:15
Adler [1] - 242:16
administered [1] -
 156:4
Administration [4] -
 97:9, 124:22, 125:8,
 126:7
Administration's [1]
 - 47:6
admission [1] -
 192:5
admit [1] - 128:14
admitted [1] - 152:22
adopt [1] - 196:6
adopted [2] - 83:2,
 190:11
adoption [1] - 72:9
advance [1] - 205:21
advanced [1] - 87:23
Advancement [1] -
 190:10
advantages [1] -
 160:16
adverse [9] - 82:23,
 97:11, 147:2, 200:11,
 200:18, 200:20,
 200:22, 201:4
adversely [3] -
 30:18, 47:9, 200:3
advice [1] - 243:13
advise [1] - 234:5
advised [1] - 65:3
advocacy [1] -
 141:24
advocates [1] -
 111:6
aerial [1] - 68:3
aesthetics [4] - 45:2,
 69:3, 69:4, 94:9
Affairs [1] - 74:6
affect [6] - 47:9,
 181:2, 196:21, 211:2,
 211:19, 245:7
affected [3] - 129:7,
 200:3, 200:9
affecting [1] - 122:10
affects [1] - 253:20
affiliated [1] - 198:8
affluent [1] - 136:24
Affordable [1] -
 110:22
afforded [1] - 71:15
afraid [1] - 144:14

age [1] - 237:24
agencies [8] - 40:18,
 71:13, 119:23,
 124:18, 125:15,
 125:23, 141:15,
 142:20
agency [5] - 3:14,
 7:6, 191:20, 196:6,
 247:2
agent [2] - 85:20,
 169:9
Ages [1] - 84:18
aging [1] - 112:2
ago [18] - 69:9,
 78:15, 94:12, 101:21,
 140:9, 164:2, 193:22,
 221:3, 221:9, 225:19,
 227:3, 227:4, 235:4,
 243:7, 248:9, 249:6,
 250:19
agree [5] - 90:11,
 97:8, 99:2, 146:23,
 162:18
agreed [6] - 6:11,
 140:21, 156:14,
 156:21, 156:23,
 191:23
agreement [1] -
 235:18
agreements [1] -
 2:11
Agriculture [1] -
 53:21
aground [1] - 116:4
ahead [1] - 199:10
Aid [1] - 225:6
AIKENS [2] - 85:16,
 87:11
Aikens [1] - 85:19
ailments [1] - 128:5
air [27] - 23:17,
 45:10, 47:21, 48:13,
 48:16, 48:17, 48:21,
 49:17, 50:21, 52:19,
 93:12, 97:3, 97:11,
 97:18, 100:4, 105:19,
 110:14, 128:2,
 135:22, 141:3, 141:6,
 141:8, 176:18,
 180:24, 189:22,
 198:19, 222:5
Air [3] - 96:17, 97:2,
 229:15
aircraft [2] - 48:20,
 50:23
airline [2] - 47:13,
 97:13
airlines [1] - 211:5
Airlines [2] - 96:17,

97:2
Airport [5] - 46:22,
 48:24, 49:9, 49:12,
 229:23
airport [2] - 47:14,
 49:13
airports [4] - 47:21,
 67:5, 75:17, 105:15
Al [4] - 39:12, 46:13,
 49:8, 49:13
Alan [6] - 4:23, 5:14,
 6:12, 150:24, 255:5,
 255:13
alarmist [1] - 88:7
Alaska [1] - 164:2
album [1] - 75:20
Alejandro [1] -
 182:12
alerting [1] - 234:18
alewife [1] - 58:3
Alfred [3] - 46:14,
 51:6, 51:10
alive [1] - 161:22
allegedly [1] - 104:4
alleviate [1] - 189:9
Alliance [17] - 63:20,
 65:18, 103:17,
 110:23, 124:5,
 126:15, 136:11,
 169:20, 169:22,
 170:10, 171:13,
 177:9, 195:13,
 203:12, 203:24,
 215:19, 216:19
alliance [3] - 63:22,
 126:18, 135:20
allow [10] - 6:9,
 31:24, 34:17, 56:4,
 56:5, 109:18, 124:7,
 190:24, 233:5, 236:11
allowed [5] - 68:20,
 177:4, 177:18, 185:6,
 185:9
allowing [2] - 16:6,
 227:11
almost [9] - 81:24,
 97:13, 102:19, 134:8,
 135:11, 135:16,
 135:18, 139:20,
 153:20
alone [4] - 18:13,
 24:10, 28:23, 90:4
already-hurting [1] -
 118:20
alter [2] - 43:19,
 225:2
Alternative [3] -
 7:20, 151:20, 208:5
alternative [24] -

7:14, 11:9, 11:24,
 12:16, 12:20, 18:6,
 19:3, 27:8, 28:21,
 34:5, 34:10, 44:22,
 49:3, 57:15, 59:2,
 99:5, 134:4, 134:13,
 144:15, 190:3, 194:3,
 206:24, 223:22, 224:2
alternatives [13] -
 11:8, 11:10, 11:20,
 22:2, 35:10, 41:17,
 42:4, 65:7, 89:7,
 90:16, 90:18, 181:9,
 202:15
altitudes [1] - 48:20
amazing [3] - 2:15,
 86:10, 232:7
America [7] - 87:5,
 87:13, 130:21, 143:5,
 164:4, 195:4, 225:5
America's [2] -
 72:16, 223:14
American [10] - 8:24,
 9:6, 20:2, 52:22,
 102:13, 118:9, 130:6,
 130:10, 224:14, 242:7
Americans [3] -
 62:23, 144:20, 246:9
Amherst [1] - 186:18
Amory [1] - 243:8
amount [7] - 149:8,
 151:8, 170:14,
 213:14, 221:4, 226:5,
 246:14
amounts [2] -
 147:23, 148:12
anadromous [1] -
 56:22
analysis [4] - 11:18,
 140:7, 157:21, 196:2
analyzed [1] - 171:3
ancestors [1] - 18:3
ancestral [1] - 59:11
ancient [2] - 204:22,
 205:4
Andrews [3] - 16:18,
 27:20, 27:23
Angela [1] - 77:10
anger [1] - 164:24
angle [1] - 109:18
angry [1] - 115:16
Ann [4] - 39:9, 44:4,
 44:7, 46:9
announced [3] -
 24:10, 101:9, 190:5
announcements [1]
 - 252:8
annually [4] - 36:5,
 37:20, 156:13, 209:7

answer [10] - 3:9,
 8:11, 173:23, 177:9,
 177:13, 186:8, 191:3,
 205:13, 249:8, 252:16
answering [1] - 8:9
answers [1] - 225:4
anticipated [1] -
 236:5
apart [1] - 34:17
apartment [1] -
 246:13
apathetic [1] - 242:2
apologize [3] -
 131:6, 142:2, 152:18
Appalachia [3] -
 122:12, 204:12,
 204:17
apparent [1] - 192:5
appeal [2] - 197:3,
 253:11
appealing [1] - 69:11
appear [1] - 31:18
Appendix [2] -
 170:4, 205:6
applaud [2] - 182:15,
 227:17
applause [1] - 54:20
applicant [3] -
 119:22, 167:17,
 191:23
application [1] -
 146:15
applications [1] -
 190:16
applies [1] - 155:18
appointed [2] -
 59:18, 242:22
appreciate [7] - 59:9,
 92:12, 97:24, 98:2,
 98:22, 205:8, 239:6
approach [2] - 48:22,
 231:7
appropriate [4] -
 22:2, 172:11, 190:24,
 218:8
approval [6] - 52:14,
 53:7, 188:5, 192:15,
 206:3, 246:7
Approval [1] - 207:4
approve [3] - 12:10,
 207:20, 249:11
approved [6] - 9:12,
 9:14, 88:6, 194:17,
 208:9, 220:5
approving [1] -
 155:5
April [3] - 9:24,
 132:22, 152:15
aquatic [3] - 43:9,

43:17, 232:19
Aquinnah [6] - 17:19, 29:16, 57:9, 191:14, 191:15, 212:12
Ara [1] - 227:8
Arabia [1] - 224:3
Arctic [3] - 163:24, 164:5, 164:6
AREA [4] - 110:23, 111:3, 111:16, 112:19
area [39] - 11:14, 29:24, 32:14, 34:22, 40:23, 45:14, 50:3, 50:23, 58:9, 60:24, 64:16, 64:24, 84:20, 84:23, 85:22, 101:12, 108:20, 109:2, 109:5, 118:12, 121:20, 122:14, 133:4, 149:19, 155:15, 156:20, 156:22, 168:16, 168:23, 169:7, 178:10, 184:3, 208:13, 211:13, 224:21, 231:17, 240:16, 241:10, 241:22
area's [1] - 197:3
Area's [1] - 111:11
areas [6] - 24:12, 38:12, 101:14, 112:22, 120:22, 206:14
arena [2] - 2:14, 2:16
ARGO [1] - 128:19
Argo [1] - 128:19
argue [1] - 123:13
argued [1] - 160:8
arguing [2] - 152:24, 153:3
arguments [5] - 25:22, 87:22, 89:6, 160:6, 243:21
arises [1] - 69:13
Arkansas [1] - 241:12
arm [1] - 195:20
arms [1] - 87:6
Army [3] - 71:12, 174:13, 181:15
arranged [1] - 236:3
array [2] - 11:2, 12:11
arsenal [1] - 55:17
art [1] - 130:12
Artery [1] - 124:12
articles [1] - 193:17
articulated [1] -

166:11
artisanal [1] - 184:23
artists [1] - 244:10
Arts [2] - 54:16, 94:11
ashes [1] - 144:19
Ashley [1] - 115:4
Aside [1] - 179:21
aspect [2] - 38:10, 216:12
aspects [3] - 14:2, 30:6, 88:3
aspirations [1] - 72:18
assassinated [1] - 242:5
Assembly [1] - 22:12
asserted [1] - 168:7
asserts [1] - 196:19
assess [2] - 117:21, 129:4
assessment [9] - 9:15, 26:8, 48:7, 119:23, 120:15, 121:3, 147:9, 199:22, 221:8
asset [1] - 168:5
assign [2] - 13:22, 251:21
associate [1] - 141:21
associated [7] - 22:10, 83:19, 117:22, 118:4, 120:5, 135:15, 208:20
Associates [4] - 2:8, 11:23, 101:9, 234:12
Association [3] - 133:8, 144:5, 165:12
associations [1] - 111:5
assumptions [2] - 90:24, 221:12
assure [1] - 125:21
assured [1] - 254:5
asthma [3] - 105:19, 113:15, 113:24
astorishing [1] - 251:4
astounding [1] - 170:16
asunder [1] - 126:6
Atlantic [4] - 58:3, 101:15, 118:22, 138:13
atmosphere [1] - 181:22
atrocities [2] - 241:8, 242:2

atrocitiy [1] - 215:15
Atsalis [1] - 22:8
attach [1] - 60:22
attached [1] - 211:16
attempt [2] - 23:6, 241:19
attempting [1] - 105:9
attend [3] - 31:23, 228:3, 237:22
attended [3] - 65:19, 71:24, 103:18
attention [4] - 22:22, 25:18, 28:13, 163:9
attitude [1] - 222:6
Attleboro [2] - 242:16, 242:21
Attorney [2] - 124:24, 168:11
attorney [2] - 87:16, 163:7
attract [1] - 60:23
AUDIENCE [9] - 33:9, 126:12, 128:10, 152:11, 193:10, 220:18, 244:24, 247:8, 250:15
Auditor [1] - 124:23
auditorium [1] - 246:14
Audra [1] - 65:17
Audubon [3] - 119:14, 120:14, 188:3
Audubon's [1] - 119:18
author [1] - 57:11
authorities [1] - 212:5
Authority [7] - 35:22, 36:3, 36:5, 36:14, 38:20, 59:9, 125:5
authority [2] - 7:14, 188:4
automatic [1] - 172:19
auxiliary [1] - 50:2
Ava [1] - 106:9
availability [1] - 158:11
available [7] - 11:17, 24:11, 121:10, 129:9, 190:4, 197:6, 218:12
average [12] - 147:20, 147:23, 148:11, 148:12, 148:14, 148:17, 148:23, 149:5, 157:18, 170:16, 187:6, 212:6

avian [2] - 120:11, 188:4
aviation [4] - 47:3, 48:8, 50:24, 211:3
Aviation [2] - 47:5, 97:9
avid [1] - 199:18
avifauna [1] - 14:16
avionics [1] - 229:13
avoid [3] - 15:9, 32:5, 83:22
avoiding [2] - 83:7, 159:17
aware [2] - 211:15, 225:18
awkward [1] - 109:17

B

babies [1] - 23:18
backers [2] - 23:10, 23:19
backgrounds [1] - 81:11
backs [1] - 210:23
backup [1] - 5:11
backyards [1] - 177:7
bad [3] - 9:10, 150:16, 241:4
badly [1] - 251:22
bag [1] - 167:7
bailing [1] - 153:6
bait [2] - 18:15, 18:16
balance [1] - 234:16
ball [1] - 92:5
Band [1] - 225:6
Band-Aid [1] - 225:6
bank [1] - 62:12
Bank [1] - 78:7
banner [1] - 23:16
Barbara [1] - 73:7
BARCLAY [1] - 165:9
Barclay [1] - 165:10
barge [1] - 116:4
barges [2] - 116:2, 187:12
barnacles [1] - 60:21
Barnstable [13] - 22:8, 22:11, 31:21, 44:7, 44:8, 44:10, 44:19, 44:23, 46:22, 48:24, 178:4, 229:22, 252:11
barrel [6] - 61:6, 140:3, 140:5, 248:8, 248:10, 248:11
barrels [3] - 115:24, 222:20, 223:2
BARRETT [2] - 79:8, 151:5
Barrett [2] - 79:9, 151:6
barrier [1] - 120:21
Barrow [1] - 80:4
barter [1] - 162:11
base [4] - 32:23, 37:11, 43:2, 43:11
Base [2] - 48:23, 228:5
based [19] - 19:15, 44:23, 45:3, 49:21, 59:4, 64:21, 65:12, 73:10, 73:16, 73:19, 89:9, 140:8, 141:23, 157:5, 170:3, 183:22, 193:21, 197:9, 241:12
basic [2] - 150:19, 161:23
basing [1] - 179:24
basis [2] - 64:19, 168:22
basket [1] - 176:6
bass [3] - 18:17, 57:24, 58:2
bats [1] - 172:9
battle [1] - 61:17
Bay [6] - 11:6, 33:19, 99:20, 101:3, 116:4, 168:3
beach [7] - 7:9, 75:19, 145:2, 162:8, 165:3, 220:8, 245:6
beaches [8] - 75:22, 76:14, 76:17, 85:10, 85:11, 95:21, 120:22, 249:24
Beacon [4] - 33:3, 195:19, 197:9, 217:12
bear [4] - 2:19, 21:11, 38:23, 103:24
bearing [1] - 127:8
bears [2] - 105:20, 220:13
beating [1] - 132:4
BATTY [1] - 159:24
Beatty [1] - 159:24
beauteous [1] - 161:21
beautiful [9] - 62:10, 76:20, 94:13, 133:16, 165:7, 210:8, 220:4, 233:17, 233:18
beauty [15] - 19:21, 40:4, 40:7, 40:8, 85:9, 98:23, 130:12, 162:2,

184:13, 189:17,
191:7, 201:12, 210:7,
220:9, 240:9
became [3] - 102:6,
115:21, 225:18
become [12] - 82:3,
84:23, 109:15, 114:4,
114:10, 159:20,
186:10, 221:18,
223:14, 230:22,
243:17, 250:3
becomes [3] - 37:4,
88:24, 109:13
becoming [1] - 186:9
Bedford [1] - 117:12
beg [1] - 63:11
began [2] - 199:5,
244:2
begin [8] - 16:3,
56:6, 59:21, 59:23,
60:8, 72:22, 182:7,
188:6
beginning [3] -
77:18, 84:13, 129:4
begins [2] - 17:15,
112:5
begun [1] - 232:22
behalf [13] - 21:3,
25:8, 39:15, 44:6,
107:20, 107:22,
118:6, 198:7, 214:7,
220:19, 233:21,
233:24, 249:8
behavior [1] - 225:24
behaviors [1] - 58:21
behind [4] - 49:24,
86:16, 109:10, 165:6
beings [2] - 219:16,
245:20
belief [5] - 32:8,
41:5, 165:21, 175:5,
240:3
beliefs [1] - 30:8
believable [1] -
131:10
believes [2] - 103:8,
174:8
bell [1] - 160:20
belongs [2] - 45:23,
64:2
below [1] - 236:7
Below [1] - 149:15
beneficial [1] - 141:3
benefit [10] - 21:13,
28:17, 46:8, 49:2,
92:19, 111:9, 129:13,
135:22, 214:13,
239:11
benefits [28] - 23:2,

71:20, 74:15, 82:22,
83:4, 89:14, 99:4,
107:4, 112:17,
114:21, 136:21,
141:18, 147:2, 171:3,
180:4, 190:19,
190:20, 196:4, 196:8,
196:15, 197:17,
207:7, 208:7, 209:8,
209:17, 209:22,
238:24, 248:15
benign [1] - 186:22
benthic [4] - 43:3,
43:6, 43:19, 57:20
benzene [1] - 128:3
Bergstrom [1] -
22:11
Berl [1] - 81:4
Bernie [1] - 137:19
Berra [1] - 99:21
bespeak [1] - 138:16
best [12] - 6:3, 34:2,
34:9, 84:8, 95:24,
138:3, 140:15, 152:2,
213:23, 217:20,
218:17, 232:3
better [19] - 7:5,
34:14, 35:10, 35:12,
40:3, 41:17, 65:5,
72:21, 83:23, 114:11,
131:22, 134:16,
135:12, 147:7,
188:20, 190:14,
193:18, 195:14, 225:4
betterment [1] -
41:22
between [12] - 3:5,
34:8, 40:23, 47:15,
74:11, 75:16, 79:20,
109:3, 182:22,
197:13, 211:9, 211:11
beware [1] - 234:6
beyond [4] - 41:11,
70:23, 123:17, 192:14
bickering [1] -
203:17
bid [5] - 236:3,
236:7, 236:12, 236:20
bidders [1] - 236:22
Big [4] - 114:17,
114:19, 124:17, 126:8
big [14] - 18:10,
18:17, 63:4, 95:15,
96:9, 96:11, 123:18,
123:19, 127:22,
155:5, 201:14,
217:22, 220:13,
253:12
bigger [1] - 225:3

biggest [2] - 55:10,
164:3
bill [5] - 27:11, 168:2,
171:10, 171:14, 212:7
Bill [2] - 210:2,
233:14
billion [7] - 23:16,
26:12, 26:14, 26:17,
124:18, 125:11,
166:22
billion-dollar [2] -
23:16, 26:17
billionaire [1] -
136:17
Billions [1] - 202:7
billions [4] - 61:7,
202:8, 202:9, 223:22
bills [5] - 26:5,
113:20, 142:13,
205:12, 212:8
binding [1] - 4:8
Binienda [1] - 54:12
biological [1] -
119:20
biomass [1] - 207:2
bird [2] - 13:24,
116:18
Bird [1] - 141:12
birds [6] - 14:16,
69:15, 116:5, 120:4,
172:9, 245:11
birth [1] - 201:16
Bishop [3] - 16:20,
22:6, 37:13
BISHOP [1] - 22:5
bit [8] - 3:3, 3:4, 3:6,
3:17, 10:15, 175:23,
236:15, 251:12
black [1] - 57:24
blackouts [1] -
158:21
blade [1] - 207:17
blades [6] - 30:24,
47:23, 49:21, 86:12,
148:10, 232:18
blast [1] - 122:11
blatant [2] - 137:6,
241:8
Blavand [1] - 186:21
blind [1] - 161:24
blinded [1] - 23:19
blindly [2] - 38:12,
91:12
blink [1] - 224:24
Block [1] - 100:15
block [2] - 43:14,
65:2
blocked [1] - 211:12
blood [1] - 241:6

blood-dirty [1] -
241:6
blowing [2] - 123:3,
252:2
BLS [2] - 106:14,
115:5
Blue [5] - 134:17,
169:7, 190:6, 190:10,
227:24
blue [2] - 12:17, 57:5
blue-eyed [1] - 57:5
blueback [1] - 58:2
bluefish [1] - 57:23
board [7] - 29:11,
29:13, 31:11, 56:23,
175:22, 180:12, 234:5
Board [2] - 177:14,
237:5
boards [1] - 242:22
boat [4] - 42:21,
98:21, 178:5, 183:6
boaters [2] - 187:17,
189:22
boating [1] - 99:12
boats [1] - 211:8
Bob [2] - 6:17, 10:11
body [4] - 63:24,
67:3, 150:12, 150:14
BOHANNAN [1] -
219:2
Bohannon [1] -
219:3
boil [1] - 162:5
boiling [1] - 162:4
bold [1] - 70:16
boldly [1] - 70:18
bolted [1] - 244:12
bonds [1] - 9:5
bonuses [1] - 136:22
book [1] - 243:9
boots [1] - 185:3
BORCHERT [1] -
186:13
Borchert [1] - 186:14
BORDEN [1] -
228:18
Borden [1] - 228:19
Borholdt [2] - 7:19,
169:15
born [1] - 128:20
BORRUS [1] -
247:18
Borris [1] - 247:20
Bosley [1] - 53:21
Boston [34] - 1:13,
67:12, 67:15, 76:24,
85:20, 86:12, 92:17,
93:24, 103:21,
106:10, 106:11,

107:21, 113:4, 113:6,
113:14, 114:11,
114:18, 118:10,
119:15, 141:9,
152:15, 165:15,
171:23, 175:21,
184:16, 186:18,
188:19, 199:14,
207:17, 218:20,
225:3, 230:17, 233:15
Boston's [1] - 114:20
bottom [6] - 11:14,
43:8, 43:13, 43:16,
192:13, 236:12
Bouchard [1] - 116:3
BOUCHIER [1] -
239:23
Bouchier [1] -
239:24
Boulevard [1] - 1:12
boundaries [1] -
168:17
bountiful [1] - 76:21
Bourne [1] - 31:20
Bowles [1] - 74:6
boy [1] - 201:16
brainer [2] - 87:2,
169:12
Bramante [1] - 118:8
Brandeis [1] -
237:23
bravery [1] - 169:16
Brayton [2] - 183:12,
183:15
breadth [1] - 216:11
break [9] - 6:5, 6:6,
6:8, 91:21, 177:2,
180:9, 180:10,
212:16, 216:7
breaks [1] - 6:8
breathes [1] - 184:14
breathing [1] -
176:18
breezes [1] - 159:5
Brewster [1] -
175:20
Brian [1] - 54:6
bridges [1] - 85:7
bridging [1] - 162:23
brief [2] - 7:22, 96:23
bright [1] - 131:10
Brighton [1] - 230:15
bring [5] - 107:3,
150:22, 185:8,
240:17, 253:18
brings [3] - 64:14,
150:5, 180:19
Bristol [1] - 70:8
British [4] - 48:14,

49:19, 130:8, 229:17
Brittany [1] - 232:23
broad [1] - 111:11
Brock [2] - 255:5, 255:13
BRODERICK [1] - 98:8
Broderick [1] - 98:9
broken [1] - 213:3
Broken [1] - 37:14
Brook [1] - 139:6
brought [9] - 38:14, 38:23, 129:8, 144:8, 176:23, 197:20, 226:9, 227:24, 233:8
brown [1] - 94:5
Brown [1] - 37:14
BUCHANAN [1] - 106:8
Buchanan [1] - 106:9
bucket [2] - 153:3, 153:5
buffet [1] - 161:17
build [16] - 84:2, 93:13, 112:14, 143:12, 171:5, 188:6, 202:24, 211:23, 228:24, 246:16, 248:12, 249:11, 252:12, 252:18, 252:20
Building [1] - 92:17
building [12] - 43:14, 66:16, 82:2, 86:10, 92:20, 92:21, 116:16, 155:4, 155:6, 167:22, 186:4, 209:17
built [23] - 9:16, 47:24, 67:5, 69:12, 80:21, 93:22, 94:7, 111:20, 124:13, 124:16, 134:18, 137:21, 164:23, 167:20, 169:24, 172:21, 182:2, 195:2, 221:3, 244:10, 245:12, 246:23, 247:13
bulldozed [1] - 164:21
bulletproof [1] - 216:14
bullshit [1] - 202:19
bunch [1] - 237:11
Bunk [1] - 128:5
Bunny [1] - 17:23
buoys [1] - 232:16
burden [1] - 103:24

Bureau [1] - 125:17
burial [2] - 204:22, 205:5
buried [2] - 122:17, 144:21
burn [2] - 35:6, 159:15
burned [2] - 245:24, 246:2
Burning [1] - 113:13
burning [4] - 127:19, 131:23, 181:7, 206:13
bused [1] - 241:24
busiest [2] - 48:13, 75:16
business [10] - 81:7, 81:11, 81:13, 85:20, 93:18, 100:22, 118:7, 169:8, 207:14, 247:21
Business [3] - 205:19, 205:20, 207:19
businesses [7] - 66:24, 111:5, 114:18, 117:11, 157:18, 157:20, 205:23
businessmen [1] - 127:2
BUSSIERE [2] - 49:10, 167:11
Bussiere [2] - 49:11, 167:12
button [3] - 176:8, 176:9, 230:16
buttons [1] - 176:7
buy [7] - 55:8, 95:7, 95:8, 95:9, 222:24, 235:21, 235:22
buying [1] - 86:17
Buzzards [1] - 116:4
bye [1] - 96:7
byproducts [2] - 127:21, 128:4
Byproducts [1] - 127:22

C

cable [2] - 43:16, 117:18
cables [4] - 11:2, 11:5, 35:9, 58:18
calculated [1] - 83:9
calculations [1] - 91:4
Cambridge [2] - 55:4, 55:15
campaign [2] - 136:12, 235:4

campaigns [2] - 23:15, 26:16
campus [1] - 16:5
CAN [2] - 114:11, 115:5
Canada [1] - 251:16
Canal [5] - 113:19, 158:6, 159:16, 232:15, 236:19
canary [1] - 164:13
canceled [1] - 114:2
cancellations [1] - 37:9
candidate [1] - 155:10
CANEDY [1] - 44:5
Canedy [4] - 39:9, 44:4, 44:7, 46:10
cannot [13] - 20:19, 41:18, 57:16, 61:9, 61:17, 78:20, 80:20, 82:7, 109:2, 109:6, 109:13, 133:11, 145:8
capacity [5] - 56:19, 112:4, 138:17, 159:11, 170:21
CAPE [1] - 1:5
Cape [347] - 2:4, 7:21, 10:20, 11:23, 14:12, 17:3, 21:8, 22:6, 22:17, 23:10, 23:20, 23:22, 24:17, 25:13, 26:4, 26:7, 26:9, 26:10, 26:11, 29:4, 31:6, 31:18, 32:24, 33:18, 35:2, 41:5, 41:9, 41:18, 42:13, 45:13, 45:24, 47:4, 47:13, 47:14, 47:16, 48:7, 48:22, 49:16, 50:4, 50:16, 52:2, 52:11, 53:10, 55:4, 55:15, 56:2, 56:17, 60:6, 60:8, 60:12, 61:10, 61:13, 61:24, 62:7, 62:12, 62:18, 64:22, 65:6, 65:11, 65:13, 66:5, 66:6, 66:14, 67:3, 67:17, 68:12, 68:16, 68:18, 70:9, 71:9, 71:14, 72:20, 73:16, 73:21, 74:7, 75:6, 75:10, 75:21, 75:24, 77:3, 81:9, 82:2, 82:18, 83:4, 83:21, 84:7, 84:15, 84:18, 84:24, 85:3, 85:12, 86:23, 87:19, 88:5, 88:12, 91:5, 95:3,

95:12, 95:18, 95:21, 96:6, 96:10, 96:17, 96:18, 96:19, 96:22, 97:2, 97:6, 97:9, 97:20, 98:12, 98:14, 98:18, 99:15, 99:23, 100:10, 100:24, 101:4, 101:8, 103:8, 103:16, 103:22, 103:23, 104:3, 104:5, 104:6, 104:7, 104:12, 104:17, 104:19, 104:21, 104:22, 105:2, 105:4, 105:5, 105:9, 105:16, 105:22, 106:16, 106:18, 106:19, 106:23, 107:4, 107:15, 107:24, 108:5, 110:18, 111:18, 112:16, 112:23, 113:9, 114:5, 114:15, 114:16, 114:20, 114:21, 115:6, 115:18, 115:21, 116:9, 116:12, 116:22, 119:7, 119:19, 119:22, 120:19, 121:16, 121:17, 121:19, 121:22, 122:15, 123:4, 123:9, 124:4, 124:14, 126:8, 128:12, 128:20, 129:5, 129:8, 129:22, 130:13, 130:16, 130:17, 130:19, 133:6, 133:13, 135:2, 135:10, 135:18, 135:21, 136:9, 137:3, 140:14, 140:21, 140:23, 141:2, 141:4, 141:5, 141:8, 141:10, 141:17, 142:4, 142:5, 142:7, 142:8, 142:18, 143:3, 143:9, 143:12, 144:2, 144:5, 144:17, 144:23, 146:2, 146:24, 147:4, 148:18, 148:20, 149:17, 149:19, 151:7, 151:15, 153:10, 154:22, 155:6, 156:18, 157:21, 160:5, 160:13, 160:21, 163:4, 164:14, 164:15, 164:17, 164:21, 165:13, 165:20, 166:3, 166:4,

167:8, 167:17, 167:20, 167:23, 168:3, 169:18, 169:23, 171:7, 171:11, 171:24, 172:5, 173:6, 173:8, 173:16, 174:15, 175:4, 178:16, 178:18, 179:18, 181:14, 182:4, 182:15, 183:20, 184:8, 184:11, 184:14, 187:4, 187:22, 188:6, 188:18, 188:19, 189:14, 192:15, 194:6, 194:7, 194:11, 194:24, 195:11, 195:13, 196:10, 196:13, 196:22, 196:23, 197:20, 198:15, 198:16, 199:15, 199:24, 201:8, 201:11, 205:7, 205:11, 205:12, 207:4, 207:7, 208:8, 209:2, 209:5, 209:8, 210:4, 210:6, 210:7, 211:18, 219:5, 219:12, 220:5, 225:18, 226:13, 228:8, 230:23, 231:13, 231:17, 232:15, 233:4, 233:9, 233:22, 234:2, 234:12, 235:6, 235:13, 235:15, 235:24, 238:17, 239:8, 239:12, 239:19, 240:2, 240:6, 242:19, 244:4, 244:8, 245:10, 246:7, 246:17, 246:21, 247:24, 248:12, 248:13, 249:18, 249:22, 249:24, 250:16, 252:20
Cape's [2] - 136:18, 179:19
capital [2] - 26:11, 209:13
caps [2] - 96:5, 105:18
captain [7] - 17:21, 35:21, 36:2, 46:19, 54:3, 79:12, 178:5
Captain [2] - 17:22, 35:20
captain's [1] - 151:11

captains [1] - 36:24
captive [1] - 84:3
capture [2] - 70:21, 206:12
car [1] - 232:10
carbon [13] - 73:22, 83:8, 83:10, 88:19, 107:2, 112:11, 113:23, 114:6, 127:24, 196:16, 206:7, 206:12, 248:18
Carcieri [1] - 100:6
card [4] - 4:21, 4:22, 150:22
care [2] - 137:20, 173:2
careful [3] - 74:4, 82:24, 208:7
carefully [2] - 160:6, 254:7
caring [1] - 95:2
Carl [2] - 102:6, 186:14
Carolina [1] - 58:15
carpal [1] - 6:12
Carpenters [1] - 249:10
CARROLL [2] - 46:16, 75:2
Carroll [2] - 46:17, 75:3
carry [1] - 50:9
cars [2] - 36:7, 198:22
case [8] - 8:20, 9:8, 148:3, 148:16, 164:2, 164:11, 240:14, 242:7
Casey [1] - 139:5
catalyze [1] - 53:4
catastrophic [4] - 74:21, 118:19, 187:14, 202:5
categorizations [1] - 200:17
categorizing [1] - 20:12
Category [2] - 226:14, 226:15
category [1] - 138:6
Catherine [1] - 68:2
caused [4] - 59:6, 120:20, 175:7, 186:2
causes [2] - 145:6, 229:21
causing [2] - 96:2, 177:6
CDR [4] - 2:7, 6:21, 254:10, 254:21
cease [1] - 117:24

ceases [1] - 164:10
celestial [1] - 30:16
cells [1] - 146:16
center [3] - 52:22, 75:17, 101:11
central [2] - 168:7, 168:12
Central [2] - 26:2, 124:12
cents [6] - 100:17, 170:6, 171:8, 171:12, 222:24, 223:13
centuries [1] - 34:24
Century [1] - 146:9
century [7] - 55:11, 81:16, 96:5, 102:13, 143:11, 202:6, 221:16
century's [1] - 82:6
CEO [1] - 203:24
ceremonial [1] - 31:11
ceremonies [2] - 30:11, 30:17
ceremony [2] - 30:10, 30:20
certain [7] - 28:11, 28:12, 36:23, 97:21, 120:9, 150:16, 221:3
certainly [6] - 22:14, 41:24, 105:23, 215:22, 226:6, 226:15
certificate [1] - 74:7
CERTIFICATE [1] - 255:4
certify [1] - 255:7
cetera [1] - 43:11
chain [4] - 18:22, 43:12, 43:14, 80:16
chains [1] - 134:19
Chair [1] - 53:19
chair [3] - 60:4, 171:20, 171:21
Chairman [5] - 53:22, 54:7, 54:12, 54:13, 54:15
chairman [4] - 27:20, 46:21, 214:9, 234:17
chairmen [3] - 51:18, 51:21, 53:17
chairs [6] - 16:12, 16:14, 25:5, 59:23, 123:23, 214:4
chairwoman [2] - 27:24, 28:9
challenge [6] - 89:11, 91:17, 111:10, 119:21, 160:23, 202:11
challenges [1] -

124:15
Chamber [2] - 144:2, 144:4
chambers [2] - 75:9, 105:13
chance [7] - 6:13, 16:22, 76:13, 154:17, 160:21, 187:13, 213:8
Change [2] - 87:18, 193:20
change [30] - 15:9, 19:4, 22:14, 27:19, 34:24, 48:6, 55:10, 72:12, 89:11, 106:21, 106:24, 107:17, 115:11, 120:21, 123:5, 129:16, 129:18, 130:17, 131:20, 131:22, 166:15, 181:4, 181:22, 198:13, 202:4, 206:5, 215:24, 224:16, 225:23, 231:24
change's [1] - 215:17
changed [1] - 201:3
changes [4] - 107:12, 107:16, 112:8, 219:23
changing [3] - 36:12, 140:24, 221:13
Channel [1] - 40:22
channel [2] - 36:10, 58:7
channels [2] - 36:11, 45:10
chaos [1] - 145:4
chapter [7] - 81:5, 155:21, 165:13, 171:22, 172:4, 186:14, 198:10
chapters [4] - 126:23, 198:8, 199:7
character [2] - 35:2, 209:5
characterization [1] - 36:20
CHARDER [1] - 227:8
Charder [1] - 227:9
charge [3] - 3:14, 171:8, 235:7
charged [1] - 179:23
Charles [9] - 16:20, 20:23, 22:4, 22:5, 25:4, 35:16, 35:20, 242:15
Charlie [1] - 175:19

chart [1] - 50:20
charter [1] - 17:21
charts [1] - 101:24
chase [1] - 172:4
Chatham [5] - 22:12, 22:13, 98:13, 184:19, 249:20
cheap [2] - 229:4, 229:9
cheaper [1] - 191:4
chemical [1] - 35:3
cherish [1] - 184:12
Cheryl [3] - 16:18, 27:20, 27:23
Chesapeake [1] - 101:2
chief [3] - 94:20, 96:16, 96:24
child [3] - 85:3, 249:19, 250:2
children [8] - 114:14, 122:19, 123:12, 188:8, 225:9, 238:5, 238:18, 248:22
children's [1] - 163:3
chill [1] - 37:12
Chilmark [2] - 42:10, 42:19
chimney [1] - 183:5
China [1] - 230:10
choices [4] - 91:10, 122:9, 122:23, 166:17
choose [2] - 21:22, 34:7
chooses [1] - 142:15
Choosing [3] - 18:24, 142:10, 142:17
choosing [5] - 142:18, 143:14, 143:17, 222:6, 222:7
chopping [1] - 65:2
chorus [1] - 105:12
chosen [4] - 2:24, 116:13, 210:15, 210:18
Chris [5] - 2:6, 6:20, 235:2, 254:20
Christy [1] - 124:3
Chuck [4] - 16:19, 21:3, 35:17, 158:3
churn [1] - 232:18
Circle [1] - 163:24
cite [1] - 191:17
cities [3] - 198:10, 240:22, 241:24
citing [1] - 36:18
citizen [7] - 60:2, 141:23, 143:24, 145:24, 147:3,

191:14, 222:11
citizen-based [1] - 141:23
citizens [18] - 34:3, 34:19, 53:3, 56:5, 59:21, 62:13, 62:14, 71:15, 72:18, 72:23, 73:12, 74:10, 135:21, 177:16, 233:21, 246:10, 248:16, 253:7
citizens' [1] - 180:14
City [2] - 139:17, 245:22
city [5] - 54:23, 55:4, 93:19, 244:13
City's [1] - 232:7
civilization [2] - 127:3, 202:12
claim [2] - 41:18, 66:12
claimed [3] - 66:7, 148:13, 235:15
claiming [1] - 104:5
claims [2] - 47:3, 88:7
clams [3] - 57:6, 58:6, 58:7
CLARKE [1] - 119:12
Clarke [1] - 119:13
classes [2] - 80:14, 80:15
classification [1] - 200:24
classified [2] - 166:8, 200:20
Clean [15] - 73:8, 82:5, 87:17, 128:20, 132:5, 158:5, 163:7, 163:10, 169:18, 175:22, 176:8, 178:3, 186:14, 188:21, 235:3
clean [51] - 23:17, 27:7, 34:5, 61:4, 61:11, 61:15, 70:12, 73:23, 76:16, 80:18, 81:21, 82:4, 87:20, 88:13, 89:4, 89:20, 95:7, 95:8, 95:9, 107:5, 111:7, 113:11, 127:22, 131:15, 135:2, 136:8, 143:4, 143:11, 143:13, 146:17, 147:5, 155:4, 162:15, 165:21, 173:23, 181:20, 202:14, 203:10, 210:22, 214:12, 219:7, 219:18, 222:4, 230:22, 231:2, 231:7,

231:14, 238:18,
240:5, 244:5, 248:17
clean-energy [2] -
73:23, 143:4
cleaned [1] - 94:4
cleaner [6] - 52:19,
63:10, 107:13,
135:22, 181:7, 188:7
clear [14] - 24:19,
27:3, 34:4, 34:8,
47:11, 76:24, 134:13,
142:21, 167:18,
167:21, 174:19,
225:2, 236:21, 247:2
clearance [1] - 13:16
clearances [1] -
13:19
clearer [1] - 234:3
clearing [2] - 236:6,
236:7
clearly [8] - 23:10,
36:19, 41:19, 74:13,
75:7, 101:23, 154:3,
191:3
Clerks [1] - 37:13
cleverly [1] - 131:8
client [2] - 163:19,
163:20
Cliff [2] - 46:17, 75:2
Climate [7] - 87:18,
107:17, 113:4,
193:20, 198:5, 199:6,
206:5
climate [22] - 55:9,
72:12, 89:11, 91:17,
106:21, 106:24,
107:8, 114:13, 115:8,
115:11, 120:21,
152:14, 166:15,
181:3, 181:22,
198:13, 201:22,
202:4, 203:11,
215:17, 215:24
CLIMATE [2] -
106:12, 107:21
climatologists [1] -
221:11
cling [1] - 161:3
clinging [1] - 129:12
Clinical [1] - 208:4
clock [3] - 92:4,
154:14, 194:20
clockwork [1] -
62:20
close [9] - 15:4, 36:6,
36:10, 76:4, 91:20,
211:10, 216:17,
216:22, 254:13
closed [3] - 94:2,

157:11, 229:24
closely [1] - 48:5
Closer [1] - 68:4
closer [3] - 3:3,
12:13, 63:10
closing [2] - 76:15,
169:3
Closing [1] - 119:5
closure [4] - 79:18,
80:3, 110:11, 118:16
closures [1] - 118:19
club [1] - 172:5
Club [2] - 144:6,
171:21
Cluck [4] - 7:21,
10:9, 142:2, 169:15
CLUCK [2] - 10:11,
254:14
co [3] - 7:13, 81:4,
167:12
co-delegated [1] -
7:13
co-founder [2] -
81:4, 167:12
CO2 [2] - 167:2,
181:21
Coal [1] - 245:16
coal [30] - 90:20,
105:19, 122:7,
122:15, 122:18,
131:23, 136:17,
142:11, 143:8,
164:14, 167:2, 171:4,
177:6, 179:16,
179:17, 183:10,
183:12, 186:6, 187:9,
204:10, 204:16,
218:10, 238:12,
239:9, 239:14,
240:23, 240:24,
241:3, 241:23, 242:7
coal-fired [4] - 167:2,
171:4, 179:17, 239:9
Coalition [3] - 100:6,
108:12, 117:8
Coast [14] - 18:16,
36:3, 36:19, 37:17,
38:3, 38:21, 39:2,
48:14, 50:2, 50:6,
75:19, 118:22,
162:22, 183:23
coast [11] - 7:12,
70:8, 72:24, 101:13,
123:14, 174:3, 190:7,
224:16, 224:23,
225:2, 230:8
Coastal [1] - 141:14
coastal [8] - 43:4,
55:14, 132:19, 156:6,

175:11, 220:24,
221:24, 231:17
coastline [5] - 24:16,
45:18, 68:21, 102:14,
103:3
COBB [1] - 201:13
cochairman [1] -
124:5
Cod [65] - 22:6, 31:6,
31:18, 33:18, 35:2,
41:9, 55:15, 61:11,
61:24, 68:18, 75:6,
84:15, 84:18, 84:24,
85:3, 85:13, 96:18,
96:19, 96:22, 97:6,
98:12, 99:23, 101:8,
103:16, 119:7,
122:15, 124:4,
128:20, 129:5, 129:8,
129:22, 130:13,
130:16, 130:19,
135:18, 137:3, 141:4,
141:5, 141:8, 144:2,
149:17, 160:13,
160:21, 165:13,
168:3, 169:18, 171:7,
171:24, 183:20,
184:9, 184:14,
188:18, 188:19,
196:22, 201:8, 209:5,
210:4, 210:6, 210:8,
231:13, 232:15,
238:17, 249:24
Cod's [2] - 26:10,
144:24
Codder [2] - 121:16,
184:11
Codders [2] - 75:21,
105:16
Cohaugs [1] - 58:6
coincidence [1] -
149:2
coincides [1] - 103:6
cold [1] - 158:14
cold-snap [1] -
158:14
COLE [1] - 184:7
Cole [1] - 184:8
COLE-TUCKER [1] -
184:7
Cole-Tucker [1] -
184:8
Collaborative [1] -
207:12
collaborative [1] -
207:14
collaboratively [1] -
198:11
collapse [1] - 13:15

colleague [1] -
149:13
colleague's [1] -
52:4
colleagues [3] -
3:13, 5:13, 5:19
collective [1] -
175:13
collectors [1] - 227:3
Collingwood [1] -
138:23
collisions [1] - 13:18
Columbia [4] -
240:15, 241:7, 242:5,
242:8
Colonial [2] - 45:21,
58:23
colonists [1] - 130:8
Columbia [2] -
146:5, 241:13
column [1] - 244:12
combat [1] - 173:8
combined [1] - 26:12
comfort [1] - 231:4
coming [11] - 7:3,
39:6, 62:7, 63:18,
84:19, 110:10,
119:15, 201:17,
219:7, 223:15, 240:24
Coming [1] - 143:5
commend [4] - 52:5,
140:12, 147:8, 166:2
comment [11] - 2:13,
8:10, 9:23, 10:4,
71:17, 94:9, 121:11,
121:12, 144:9, 170:4,
253:24
commenting [1] -
15:15
comments [23] - 8:7,
8:8, 9:22, 10:6, 15:23,
32:2, 49:17, 63:18,
71:23, 72:4, 85:18,
90:10, 92:13, 106:4,
167:16, 171:24,
172:2, 172:23, 204:4,
236:16, 239:7, 254:2,
254:17
commerce [2] - 75:9,
105:14
Commerce [2] -
144:2, 144:4
Commercial [1] -
216:6
commercial [22] -
32:10, 42:14, 42:22,
47:18, 66:20, 77:14,
104:10, 105:13,
108:22, 117:9,

117:20, 117:21,
118:2, 151:6, 151:10,
156:21, 187:17,
189:22, 211:4, 211:5,
211:7, 216:20
commercial-fishing
-industry [1] - 117:9
commercially [1] -
151:14
Commission [2] -
46:22, 48:24
commission [1] -
234:17
commissioned [1] -
50:17
commitment [3] -
42:20, 124:2, 206:23
committed [1] -
111:7
committee [2] -
53:18, 171:21
Committee [11] -
53:20, 53:22, 54:7,
54:12, 54:13, 54:15,
125:3, 125:4, 125:9,
125:10, 214:9
committees [1] -
51:19
common [5] - 41:13,
64:8, 72:7, 132:6,
202:13
Commonwealth [14]
- 45:19, 45:23, 46:3,
53:9, 56:6, 56:22,
64:11, 73:24, 74:10,
154:24, 168:19,
179:10, 230:23,
248:16
communal [3] - 66:9,
105:10
communications [2]
- 110:21, 153:10
communities [8] -
45:19, 55:14, 67:16,
123:9, 130:2, 220:24,
221:24, 240:16
community [15] -
18:18, 19:20, 34:14,
35:4, 56:13, 57:2,
58:24, 65:12, 81:6,
105:8, 111:6, 145:4,
180:17, 198:12, 204:5
community's [1] -
113:7
community-
supported [1] - 57:2
companies [3] -
118:22, 211:5, 221:22
company [2] - 71:9,

242:7
compare [1] - 11:19
compared [2] -
 101:14, 175:9
compensating [1] -
 157:3
compensation [4] -
 46:6, 110:7, 156:18,
 172:11
compensatory [1] -
 141:11
compete [1] - 237:2
Competing [1] - 15:7
competitive [1] -
 235:20
compile [1] - 216:18
compiled [1] - 71:18
compiling [2] - 52:6,
 216:21
complaint [1] - 183:5
complement [2] -
 159:8, 159:12
complete [5] - 14:6,
 53:7, 137:15, 146:22,
 208:16
completed [2] -
 37:17, 187:18
completely [9] -
 14:5, 14:9, 75:11,
 101:19, 104:9,
 200:17, 213:17,
 231:20
completes [1] - 36:5
complex [1] - 102:21
complexities [1] -
 138:18
compliance [1] -
 28:16
components [1] -
 30:7
compounds [1] -
 127:24
comprehensive [6] -
 52:6, 73:17, 83:16,
 140:13, 177:21,
 213:12
comprise [2] - 40:17,
 198:8
comprised [3] - 29:9,
 29:14, 111:4
compromised [1] -
 47:22
Compromising [1] -
 40:8
conceived [2] - 23:8,
 34:15
concentrated [2] -
 218:6, 218:15
concentrated-in-

one-place [1] - 218:6
concentration [1] -
 218:6
concern [9] - 8:14,
 23:9, 34:23, 36:13,
 47:6, 50:20, 220:23,
 222:2, 244:9
concerned [8] -
 41:22, 44:13, 113:6,
 116:16, 129:20,
 145:24, 147:3, 228:13
Concerned [2] -
 89:22, 90:10
concerning [1] -
 235:12
concerns [18] -
 24:15, 28:11, 32:9,
 32:16, 33:5, 47:8,
 47:12, 48:5, 66:15,
 67:6, 67:10, 172:8,
 172:11, 172:14,
 172:22, 185:11,
 201:19, 253:13
conch [2] - 58:20,
 117:15
conclude [3] - 120:3,
 120:7, 243:6
concluded [3] - 38:3,
 73:14, 141:2
conclusion [3] -
 38:19, 196:21, 251:5
conclusions [1] -
 197:7
concrete [1] - 124:13
condemned [1] -
 105:6
condensed [1] -
 12:11
condition [2] - 103:6,
 185:10
conditioners [1] -
 93:12
conditions [10] -
 36:13, 36:24, 38:14,
 83:13, 120:10, 138:2,
 139:10, 140:24,
 160:17, 244:15
CONDON [1] -
 132:18
condos [1] - 94:6
conducted [3] -
 48:15, 74:11, 155:14
conducting [1] -
 125:15
conference [3] -
 155:23, 165:16,
 165:17
confident [2] -
 172:24, 246:21

configuration [1] -
 141:7
conflict [3] - 32:5,
 69:13, 204:6
conform [1] - 244:16
confuse [2] - 23:5,
 105:22
confused [2] -
 105:23, 203:2
congratulate [1] -
 215:5
congratulates [1] -
 163:10
congregations [1] -
 94:23
Congress [2] -
 38:14, 125:9
Congressman [7] -
 41:7, 50:13, 100:11,
 214:7, 214:8, 214:16,
 214:18
conjunction [1] -
 38:21
connected [2] -
 90:13, 240:21
Connecticut [1] -
 245:21
connection [4] -
 30:4, 87:24, 88:20,
 89:6
CONNETT [1] -
 141:20
Connett [1] - 141:20
CONNIE [1] - 132:18
conscious [1] -
 219:22
consensus [3] - 4:7,
 65:12, 204:5
consensus-based
 [1] - 65:12
consequence [1] -
 50:7
consequences [5] -
 91:11, 107:14,
 121:23, 127:18,
 137:20
Conservation [4] -
 18:4, 23:12, 87:18,
 163:17
conservation [10] -
 18:8, 33:14, 33:18,
 63:24, 64:21, 68:14,
 95:5, 161:16, 206:21,
 243:12
conservationist [1] -
 20:2
conservative [3] -
 161:15, 186:11,
 221:14

conserve [2] - 20:19,
 238:3
consider [11] -
 62:11, 65:8, 67:11,
 89:10, 91:12, 163:4,
 166:14, 203:15,
 227:23, 228:21,
 239:18
considerable [2] -
 38:5, 158:13
considerate [1] - 8:3
consideration [6] -
 38:22, 44:17, 74:4,
 160:9, 168:16, 191:10
considered [6] -
 33:16, 138:7, 190:16,
 254:6, 254:7, 254:18
considering [2] -
 20:19, 196:16
consist [1] - 206:8
consistency [1] -
 32:7
consistent [1] -
 69:17
consistently [1] -
 46:23
consisting [1] -
 30:22
consolidated [1] -
 168:2
constable [1] - 56:20
constant [2] - 23:23,
 134:22
constantly [2] -
 36:12, 83:22
constituency [1] -
 44:14
constituents [1] -
 55:5
constitute [1] -
 168:14
Construction [1] -
 124:21
construction [18] -
 13:6, 13:11, 14:17,
 14:20, 14:24, 60:11,
 83:19, 110:10,
 111:21, 114:15,
 124:19, 126:5,
 140:22, 145:5, 166:6,
 185:21, 187:18,
 247:23
consultant [2] -
 175:21, 243:7
consultation [1] -
 141:14
consumed [2] -
 37:20, 222:20
consumer [5] -

21:17, 104:11, 185:7,
 186:10, 190:15
consumer-driven [1]
 - 186:10
Consumers [1] -
 170:8
consumers [3] -
 142:23, 170:2, 170:7
consuming [2] -
 186:5, 222:22
consumption [6] -
 121:24, 122:3,
 166:23, 209:10,
 222:14, 240:4
contact [1] - 59:12
contacted [1] -
 156:12
contagious [1] -
 136:13
containable [1] -
 150:18
contains [1] - 168:20
contaminated [1] -
 241:18
contentious [2] -
 41:12, 130:14
contest [1] - 215:11
context [2] - 91:13,
 120:20
continental [1] -
 165:22
contingent [3] -
 119:19, 156:3, 156:16
contingent-
valuation [1] - 156:3
continually [1] - 23:5
continue [11] - 23:3,
 59:14, 77:19, 88:11,
 120:7, 128:10,
 128:12, 137:12,
 161:3, 206:22, 229:4
continued [2] -
 51:24, 227:20
continues [1] -
 105:11
continuing [2] -
 17:22, 107:10
contractor [1] -
 146:19
contracts [1] - 88:4
contrary [2] - 88:8,
 158:12
contrast [2] - 104:18,
 184:14
contribute [1] -
 141:10
contributed [1] -
 113:14
contribution [4] -

52:23, 70:13, 132:7, 222:14
contributors [1] - 181:3
contrived [1] - 160:10
control [2] - 2:18, 48:17
controllable [1] - 150:18
controversial [2] - 28:4, 32:5
controversy [2] - 26:2, 144:9
Conventional [2] - 245:15, 245:17
conventional [1] - 245:19
convergence [1] - 152:14
conversation [1] - 95:12
conversion [1] - 146:10
convince [2] - 105:21, 169:9
convinced [3] - 105:24, 107:11, 115:21
cool [1] - 85:7
cooperative [1] - 19:15
cordially [1] - 245:13
corn [1] - 78:17
corporate [1] - 34:4
corporation [3] - 45:24, 46:6, 226:24
corporations [1] - 226:22
Corps [3] - 71:12, 174:14, 181:15
correct [2] - 38:9, 244:21
correctly [2] - 38:9, 140:24
corrupt [1] - 136:22
cost [22] - 24:22, 27:7, 67:13, 88:19, 88:23, 111:7, 124:17, 125:11, 159:18, 169:24, 170:5, 171:11, 188:2, 196:18, 205:7, 209:14, 224:19, 235:12, 235:21, 236:13, 236:22, 237:3
cost-effective [1] - 27:7
cost-effectiveness

[1] - 88:23
cost/benefit [1] - 196:2
Costello [3] - 51:9, 51:10, 51:13
COSTELLO [5] - 51:12, 51:17, 52:5, 54:6, 54:11
costing [2] - 61:7, 243:19
costly [2] - 67:17, 104:2
costs [16] - 21:16, 37:22, 88:22, 89:4, 104:11, 171:3, 179:20, 196:3, 196:9, 196:14, 205:9, 208:8, 209:16, 209:21, 229:9, 236:14
COTTER [1] - 161:10
Cotter [1] - 161:11
Cotuit [2] - 144:11, 200:19
Council [8] - 44:11, 57:10, 82:14, 205:19, 205:20, 207:20, 242:21, 249:10
council [1] - 44:11
councilor [5] - 44:7, 44:8, 54:23, 55:4, 178:4
counsel [1] - 21:4
counselor [1] - 44:9
count [1] - 131:24
counted [1] - 166:6
counterweights [1] - 134:20
countries [4] - 99:8, 116:8, 116:10, 223:2
country [32] - 61:7, 63:10, 70:11, 70:18, 81:18, 86:3, 92:23, 93:7, 100:17, 107:6, 116:8, 122:5, 123:7, 124:9, 159:13, 177:16, 179:4, 179:11, 182:21, 187:3, 188:8, 192:21, 192:23, 194:16, 221:24, 222:17, 223:13, 229:3, 239:20, 243:9, 243:16, 253:8
country's [4] - 61:16, 70:21, 74:19, 231:7
County [2] - 22:12, 70:8
couple [4] - 8:17, 87:22, 178:7, 178:11

courage [1] - 169:16
course [16] - 9:8, 10:20, 15:5, 18:6, 19:21, 22:16, 25:12, 37:7, 102:22, 105:16, 113:22, 136:21, 138:4, 146:10, 155:13, 170:7
courses [1] - 37:11
Court [1] - 233:3
cover [1] - 102:21
covered [1] - 101:17
COYLE [1] - 92:14
Coyle [1] - 92:16
crabs [1] - 43:10
crack [1] - 235:9
crafted [1] - 131:8
crashed [1] - 142:3
create [9] - 18:10, 19:7, 37:12, 47:15, 50:8, 76:6, 188:7, 189:11, 199:3
created [3] - 113:10, 113:12, 114:19
creating [3] - 18:9, 36:15, 198:17
creation [3] - 60:11, 82:7, 95:2
creatures [1] - 43:17
credit [1] - 187:24
credits [2] - 33:22, 76:19
crew [1] - 118:14
crews [1] - 47:22
criminal [1] - 134:10
crisis [4] - 152:21, 152:23, 158:15, 223:15
criteria [3] - 11:9, 11:11, 175:24
critical [12] - 34:21, 36:22, 51:2, 63:15, 120:23, 127:17, 129:3, 166:13, 198:16, 206:6, 206:17, 207:8
critically [1] - 89:2
Crown [1] - 130:9
CRR [1] - 255:13
crucial [3] - 21:19, 214:11, 219:19
Crude [1] - 61:5
cultural [8] - 20:14, 29:21, 30:4, 30:8, 62:4, 64:5, 66:23, 139:18
Culture [1] - 54:16
culture [3] - 18:19, 164:9, 193:3

cultures [1] - 123:14
cum [2] - 146:4, 186:19
CUMMINGS [1] - 175:18
Cummings [1] - 175:19
current [10] - 7:16, 48:6, 53:17, 79:21, 99:6, 111:12, 127:13, 140:11, 181:11, 233:5
currents [2] - 232:4, 232:5
curve [1] - 147:22
customers [2] - 37:23, 237:6
cut [4] - 114:5, 172:4, 201:24, 254:19
cutting [3] - 52:4, 217:14, 229:19
CWP [1] - 149:6

D

D'Amico [2] - 70:4, 70:7
D'AMICO [1] - 70:6
dab [1] - 28:3
daily [1] - 37:17
damage [3] - 21:9, 58:18, 62:4
damaged [1] - 67:4
damages [2] - 21:11, 164:11
damaging [3] - 135:24, 223:11, 243:19
Damion [1] - 161:10
Dan [3] - 53:21, 96:15, 205:17
Dana [1] - 84:11
Danes [1] - 60:14
danger [4] - 109:22, 109:23, 201:20, 219:15
dangerous [4] - 48:9, 109:12, 109:14, 187:9
dangers [1] - 234:19
Danish [2] - 102:5, 186:24
dare [3] - 123:8, 123:10, 123:12
Dartmouth [1] - 208:3
data [8] - 49:22, 69:5, 69:6, 134:2, 140:8, 140:11, 147:18, 149:13
date [2] - 122:17, 234:15
David [4] - 61:23, 165:10, 171:20, 247:20
DAVIS [1] - 54:22
Davis [6] - 31:20, 33:6, 46:14, 51:10, 54:21, 54:23
days [15] - 6:22, 15:19, 65:9, 75:5, 78:15, 80:11, 104:18, 105:2, 147:24, 148:5, 148:8, 159:3, 165:14, 189:2, 253:4
daytime [2] - 225:21, 225:23
dead [1] - 75:17
deadliest [1] - 136:15
deadline [1] - 172:3
deal [5] - 51:19, 51:22, 104:14, 127:22, 195:22
Dear [1] - 51:23
dearly [2] - 67:12, 164:16
death [2] - 113:16, 242:3
death-making [1] - 113:16
debate [3] - 201:22, 219:14, 222:13
debated [1] - 130:14
debates [3] - 22:20, 25:16, 121:21
debating [2] - 152:24, 153:2
decades [3] - 95:23, 144:24, 243:7
decapitate [1] - 179:15
deceit [1] - 136:13
deception [1] - 136:13
decide [1] - 228:11
decided [1] - 250:23
decimate [1] - 137:2
decision [18] - 4:7, 8:20, 15:19, 19:15, 20:10, 38:24, 63:15, 65:12, 108:3, 108:4, 168:18, 171:5, 175:4, 179:22, 179:24, 195:11, 254:4, 254:8
decision-maker [1] - 8:20
decision-making [2] - 4:7, 65:12

<p>decisions [1] - 179:4 declared [1] - 130:11 decline [1] - 33:2 declined [1] - 114:3 decommission [2] - 213:6, 213:16 decommissioned [1] - 213:17 decommissioning [6] - 9:2, 13:7, 13:16, 134:21, 213:9, 213:12 decrease [1] - 107:2 decreased [1] - 208:21 deep [4] - 190:6, 190:8, 191:3 deeply [1] - 44:13 deepwater [10] - 24:11, 69:11, 69:17, 69:22, 89:9, 134:14, 190:3, 190:4, 227:23, 228:14 Deepwater [1] - 69:8 Defence [2] - 48:14, 49:20 defending [1] - 34:15 defense [3] - 48:17, 146:19, 244:15 Defense [1] - 82:13 defile [1] - 135:4 define [1] - 50:18 defined [1] - 167:19 defines [2] - 29:19, 208:16 definite [1] - 139:4 definitely [1] - 215:23 definition [2] - 29:21, 64:15 definitive [1] - 27:9 degradation [1] - 48:16 degree [2] - 126:18, 218:13 DEIR [1] - 200:19 DEIS [48] - 2:5, 20:11, 20:15, 21:12, 21:24, 36:18, 52:7, 52:16, 65:7, 66:4, 67:13, 68:23, 79:14, 87:24, 90:11, 90:17, 91:15, 108:21, 110:7, 119:24, 120:7, 121:3, 121:13, 127:7, 127:17, 127:19, 140:13, 141:2, 146:23, 147:17, 147:20, 148:7, 148:13, 149:6,</p>	<p>185:13, 185:16, 185:19, 195:22, 195:24, 196:19, 197:5, 197:16, 199:21, 200:15, 200:22, 201:2, 203:3, 209:3 deja [1] - 99:21 Delahunt [2] - 41:8, 50:14 delay [1] - 81:24 delayed [1] - 130:11 delaying [2] - 135:24, 234:9 delays [2] - 174:24, 194:15 delegated [1] - 7:13 delegates [1] - 29:14 Delegates [1] - 22:12 deliberate [2] - 74:4, 248:24 Deliberate [1] - 228:11 deliberated [1] - 254:3 delicate [1] - 199:19 deliver [1] - 190:13 demand [8] - 111:16, 159:3, 159:5, 180:20, 223:6, 223:14, 224:13, 224:14 Demetrius [1] - 22:8 democracy [2] - 226:20, 226:21 Democrat [1] - 214:8 demonstrating [1] - 74:13 demonstration [1] - 40:21 Dempsey [1] - 54:6 denied [2] - 30:21, 37:5 Denmark [8] - 21:19, 105:20, 116:15, 129:5, 129:19, 186:21, 251:16 Dennis [3] - 133:24, 149:17, 245:4 denomination [1] - 94:23 denominator [1] - 72:7 dense [1] - 232:5 density [1] - 117:18 deny [1] - 95:13 department [1] - 195:20 Department [11] - 7:7, 85:17, 125:6,</p>	<p>125:17, 125:18, 132:23, 155:11, 158:22, 207:12, 207:16 DEPARTMENT [1] - 1:3 dependence [6] - 61:16, 66:2, 72:11, 116:9, 143:17, 243:15 dependency [3] - 142:12, 151:22, 189:9 dependent [5] - 30:12, 108:20, 114:9, 127:3, 174:5 depicts [1] - 188:23 depth [2] - 11:12, 65:21 derailing [1] - 41:13 derived [1] - 58:10 describe [1] - 42:13 described [1] - 102:8 describes [1] - 103:2 describing [1] - 244:11 description [4] - 7:23, 10:22, 102:11, 138:18 deseccration [3] - 204:15, 204:18, 205:2 deserve [1] - 233:8 deserves [1] - 65:4 designation [2] - 64:14, 200:23 designed [2] - 128:6, 244:18 desiring [1] - 72:18 destination [1] - 197:4 destinations [1] - 32:20 destiny [1] - 227:12 destroy [3] - 34:21, 123:4, 151:17 destroyed [7] - 19:18, 109:24, 122:14, 123:15, 163:22, 164:9, 164:22 destroying [6] - 19:19, 40:3, 122:19, 123:6, 186:7, 189:17 destruct [1] - 18:13 destruction [4] - 20:21, 40:11, 177:6, 186:2 destructive [1] - 173:21 detail [3] - 102:8, 140:18, 181:15 detailed [1] - 83:16</p>	<p>details [1] - 120:16 detecting [1] - 49:23 determination [3] - 48:8, 50:16, 196:8 determine [5] - 12:23, 13:2, 81:17, 180:4, 234:21 determined [2] - 142:13, 200:10 determining [1] - 214:11 detrimental [2] - 18:14, 25:24 detriments [1] - 180:5 Deval [2] - 74:3, 136:6 devastate [1] - 95:18 devastating [4] - 65:4, 122:4, 187:10, 214:20 develop [8] - 24:18, 27:2, 34:10, 147:5, 156:19, 206:23, 207:8, 207:16 developed [6] - 11:8, 68:12, 68:20, 146:16, 157:14, 207:13 developer [7] - 34:3, 34:18, 66:10, 105:9, 164:19, 165:2, 249:18 developer's [1] - 76:11 developers [4] - 23:15, 26:16, 139:9, 211:22 developing [2] - 71:9, 111:14 Development [2] - 53:23, 54:16 development [15] - 12:5, 13:8, 14:18, 23:5, 42:19, 111:17, 114:22, 165:24, 172:7, 190:17, 206:10, 207:10, 210:14, 210:16, 219:9 developmental [1] - 68:13 dialogue [1] - 97:19 diameter [1] - 231:21 Diana [1] - 141:20 die [1] - 183:18 died [1] - 216:4 diesel [1] - 37:19 diesels [1] - 158:19 difference [2] - 115:19, 133:18 differences [1] -</p>	<p>69:10 different [9] - 39:8, 85:21, 92:19, 139:14, 163:20, 177:13, 182:19, 212:3, 253:6 differentiates [1] - 29:19 difficult [6] - 50:9, 127:12, 166:15, 166:19, 202:22, 253:20 diffuse [1] - 218:11 Dig [5] - 114:17, 114:19, 124:17, 126:8, 161:19 Digging [2] - 43:15, 43:20 dilemma [1] - 5:23 diligence [1] - 233:9 diminished [1] - 164:7 DINEEN [1] - 103:15 Dineen [1] - 103:16 dioxide [6] - 83:8, 83:10, 112:11, 128:3, 196:16, 206:12 dire [1] - 107:14 direct [1] - 46:7 direction [3] - 96:12, 109:19, 240:7 directly [4] - 44:15, 149:6, 224:22, 240:20 director [12] - 50:12, 63:20, 65:18, 73:8, 87:17, 110:22, 117:7, 126:14, 153:10, 173:15, 186:14, 235:3 directors [5] - 29:11, 29:13, 31:12, 56:23, 175:22 dirty [7] - 142:8, 142:11, 143:8, 241:3, 241:6 disabled [2] - 229:2, 229:6 disagrees [1] - 134:24 disappointing [1] - 178:14 disaster [3] - 55:10, 80:15, 221:7 disastrous [3] - 95:20, 107:9, 134:2 discotheque [1] - 2:20 discounted [1] - 157:6 discovery [3] - 101:10, 103:9, 103:12</p>
---	--	---	---	--

discredit [1] - 234:8
discuss [7] - 59:12, 60:7, 98:16, 118:13, 173:5, 173:9, 227:11
discussed [2] - 215:22, 242:8
discussing [3] - 2:17, 99:4, 103:21
discussion [2] - 8:2, 39:18
disease [1] - 208:18
diseases [1] - 136:13
dispersed [1] - 43:18
displaced [3] - 48:18, 202:7, 241:14
displacement [1] - 109:4
display [1] - 86:11
disposal [1] - 194:4
dispute [1] - 216:23
disrupt [2] - 19:4, 114:16
disrupted [2] - 19:22, 42:18
disrupting [1] - 189:23
disruption [1] - 18:21
disruptive [1] - 43:21
dissatisfied [1] - 117:17
dissenting [1] - 192:8
dissertation [1] - 155:21
distance [3] - 11:15, 38:6, 220:12
distant [1] - 233:19
distinctive [1] - 168:20
distributor [2] - 235:18, 235:20
District [1] - 25:10
district [1] - 200:20
disturbing [1] - 49:23
diverse [2] - 61:2, 111:3
diversity [2] - 61:15, 199:3
divide [1] - 148:22
doctor [1] - 183:17
doctrine [1] - 45:20
document [2] - 10:2, 104:13
documented [3] - 46:7, 110:2, 251:17
dollar [3] - 23:16, 26:17, 223:12

dollars [8] - 33:24, 61:8, 119:3, 136:21, 164:12, 166:22, 196:17, 223:22
domestic [3] - 148:17, 174:2, 189:11
Donald [1] - 100:5
done [18] - 6:21, 9:19, 52:6, 79:3, 104:13, 163:12, 163:17, 172:10, 173:10, 193:13, 193:22, 194:24, 205:9, 215:8, 250:11, 250:24, 251:14
doom [1] - 130:15
doomed [1] - 115:13
door [1] - 143:13
double [1] - 235:14
doubled [1] - 187:2
doubt [3] - 168:24, 180:3, 221:19
doughnut [1] - 168:9
down [16] - 2:24, 18:2, 85:9, 94:3, 132:11, 173:6, 182:21, 212:13, 212:16, 213:3, 223:9, 229:24, 230:8, 236:15, 240:19, 252:6
downside [1] - 55:23
downtown [1] - 40:7
dozens [1] - 22:19
Dr [1] - 7:20
draft [9] - 15:14, 47:11, 104:13, 117:17, 117:20, 121:10, 170:4, 191:18, 216:13
Draft [1] - 10:16, 14:2, 31:23, 42:11, 59:2, 73:15, 174:12, 174:18, 182:16, 185:11, 193:13
drafters [1] - 53:16
drafts [1] - 55:24
dramatically [1] - 37:12
drastically [4] - 193:23, 201:24, 224:16, 224:24
draw [2] - 24:14, 154:15
drawing [1] - 222:19
dressed [1] - 2:18
drift [1] - 43:19
drilling [4] - 78:6, 78:7, 173:20, 190:12
drive [1] - 161:23

driven [3] - 72:10, 186:10, 205:4
Drummond [1] - 241:11
dry [4] - 101:19, 101:23, 102:19, 103:5
due [6] - 37:17, 38:4, 141:7, 202:18, 212:16, 233:8
dumbfounded [1] - 165:2
dumped [1] - 122:16
dumping [2] - 150:17, 173:20
dunk [1] - 169:11
during [20] - 13:15, 13:18, 14:19, 14:20, 15:3, 15:7, 15:8, 15:10, 15:11, 36:12, 51:2, 110:10, 119:8, 140:22, 158:13, 158:14, 159:5, 172:7, 185:21, 212:17
During [4] - 22:19, 25:15, 158:21, 159:2
dying [1] - 229:5

E

E2 [2] - 81:6, 81:10
early [3] - 101:23, 102:12, 103:4
earn [1] - 32:13
earth [4] - 161:18, 219:17, 222:18, 223:21
Earth [2] - 215:4, 235:5
earth's [1] - 216:2
earthly [1] - 135:3
easier [2] - 179:15, 179:17
easily [1] - 172:6
East [8] - 18:16, 48:14, 75:19, 162:22, 183:23, 232:7, 232:12, 243:15
east [1] - 37:21
eastern [3] - 30:14, 57:7, 238:15
Eastern [7] - 29:2, 29:7, 31:15, 62:14, 100:13, 152:3, 240:22
easternmost [1] - 30:2
echo [2] - 5:20, 6:2
ecologic [1] - 64:5
ecological [2] - 121:9, 168:20

ecologically [2] - 120:4, 121:4
ecology [1] - 185:22
Economic [1] - 53:22
economic [34] - 11:18, 11:19, 33:13, 45:3, 57:21, 58:5, 60:9, 62:4, 64:5, 75:23, 80:15, 82:6, 88:2, 96:21, 105:8, 112:17, 112:20, 114:22, 118:4, 130:16, 140:7, 155:14, 155:18, 157:4, 157:6, 157:10, 157:13, 157:23, 168:5, 168:22, 174:21, 192:7, 192:22, 196:14
economical [2] - 139:12, 181:12
economically [5] - 33:21, 33:23, 34:12, 196:13, 249:4
economics [11] - 26:3, 26:7, 26:9, 80:10, 91:9, 146:7, 146:11, 155:24, 195:20, 195:23, 212:22
Economics [1] - 155:12
economy [21] - 21:10, 28:18, 62:20, 63:9, 66:18, 70:14, 72:14, 73:23, 86:2, 86:4, 87:12, 143:11, 145:14, 155:5, 157:20, 183:22, 189:12, 195:3, 201:10, 222:18, 243:19
ecosystem [7] - 57:19, 61:2, 62:6, 64:3, 64:21, 168:14, 245:8
ecosystem-based [1] - 64:21
ecosystems [1] - 199:20
ecotourism [1] - 60:16
Ed [1] - 214:7
Edgartown [5] - 39:18, 39:24, 40:5, 40:12, 41:8
edge [3] - 160:24, 217:14, 232:16
edges [1] - 232:12

Edison [1] - 94:3
educate [1] - 73:12
educating [1] - 181:8
education [1] - 180:17
educators [1] - 111:5
Edward [2] - 79:8, 139:5
eelgrass [1] - 43:9
effect [16] - 13:14, 15:6, 50:7, 69:2, 135:24, 157:16, 197:8, 200:11, 200:18, 200:22, 201:4, 201:5, 213:2
effective [2] - 27:7, 173:23
effectively [1] - 137:14
effectiveness [1] - 88:23
effects [12] - 9:11, 12:8, 47:4, 95:21, 107:9, 116:6, 130:16, 197:19, 201:9, 202:4, 216:5, 219:21
Efficiency [1] - 90:4
efficiency [10] - 27:13, 45:2, 55:19, 95:5, 111:15, 155:18, 157:23, 206:10, 206:21, 246:20
efficient [1] - 97:17
efficiently [1] - 3:19
effort [4] - 19:15, 136:24, 167:5, 223:24
efforts [3] - 91:14, 98:18, 207:10
Eiffel [3] - 244:10, 244:14, 244:21
eight [2] - 155:13, 156:11
eighth [1] - 115:4
EIS [14] - 3:14, 8:11, 8:18, 8:22, 9:14, 53:8, 55:24, 83:3, 117:17, 117:20, 141:18, 206:3, 249:11
either [7] - 12:10, 14:13, 71:16, 74:18, 166:8, 172:14, 238:11
EKSTROM [1] - 147:14
Ekstrom [1] - 147:15
Eldredge [1] - 184:10
elect [1] - 144:4
elected [15] - 22:9, 44:14, 51:14, 53:18,

54:24, 56:10, 59:17, 59:19, 105:12, 153:19, 153:20, 178:15, 178:17, 179:5, 219:11
elective [1] - 242:20
electric [8] - 40:6, 52:9, 100:17, 112:2, 158:19, 162:13, 205:10, 212:7
electrical [6] - 27:9, 35:9, 39:20, 166:21, 185:17, 187:3
electricians [1] - 85:20
electricity [34] - 26:4, 26:10, 41:11, 86:18, 86:24, 88:20, 90:7, 90:14, 111:8, 112:9, 121:21, 131:15, 140:16, 169:24, 170:6, 170:12, 170:14, 170:21, 171:10, 171:14, 218:9, 224:13, 224:15, 231:18, 231:21, 235:7, 235:12, 236:23, 237:4, 245:24, 246:4, 246:15, 246:18
Electricity [2] - 21:16, 110:23
electricity-generating [1] - 170:21
element [1] - 129:14
eliminated [1] - 243:15
eliminating [2] - 180:15, 187:13
Eliminating [1] - 37:7
ELRICK [1] - 177:24
Elrick [1] - 178:2
email [1] - 142:3
emails [1] - 142:4
embrace [2] - 30:9, 89:4
embraced [2] - 34:13, 190:17
embracing [1] - 142:15
emerges [1] - 164:24
emerging [3] - 24:8, 26:22, 70:14
Emerging [1] - 53:23
Emily [2] - 16:19, 17:17
emission [3] -

209:10, 209:14, 219:20
emissions [10] - 52:18, 55:13, 83:8, 91:3, 107:2, 114:6, 151:23, 167:2, 201:24
emitted [1] - 83:10
emotion [1] - 253:14
emotional [1] - 247:5
empathize [1] - 246:8
emphasis [1] - 2:21
employ [1] - 205:24
employee [2] - 96:20, 103:17
employment [2] - 197:17, 197:22
empower [1] - 73:12
empty [1] - 183:11
EMS [1] - 121:10
enabled [1] - 158:20
enacted [1] - 27:11
enclosing [1] - 50:20
encourage [7] - 5:22, 17:11, 107:24, 112:22, 141:17, 206:3, 206:22
encouraged [1] - 154:23
encourages [1] - 207:20
encouraging [1] - 111:15
end [14] - 2:24, 4:19, 17:7, 21:16, 25:23, 94:6, 96:4, 113:21, 173:9, 183:17, 201:16, 237:4, 253:4, 253:24
endanger [1] - 59:14
endangered [1] - 120:12
endangering [1] - 189:18
endless [1] - 161:13
endorse [1] - 57:16
endorsed [3] - 74:4, 132:20, 156:6
endorsement [1] - 233:24
endorsements [1] - 156:8
endured [1] - 58:22
energies [3] - 34:5, 112:16, 181:10
ENERGY [1] - 1:5
Energy [18] - 7:13, 7:20, 54:8, 54:14, 71:8, 74:5, 87:17,

98:18, 99:16, 146:9, 158:22, 165:11, 187:22, 206:16, 207:13, 207:16, 214:10, 237:5
energy [201] - 7:14, 7:16, 7:17, 18:6, 19:3, 23:18, 24:3, 24:8, 24:13, 24:22, 26:22, 27:7, 27:11, 27:13, 28:21, 33:21, 35:8, 39:21, 40:13, 40:21, 41:2, 44:22, 49:3, 51:19, 51:22, 52:11, 52:23, 53:17, 55:7, 55:19, 56:8, 57:16, 61:11, 61:16, 62:24, 63:6, 63:10, 70:12, 70:19, 70:23, 71:21, 72:10, 72:12, 73:13, 73:23, 74:19, 77:21, 78:17, 78:18, 79:4, 80:18, 81:16, 81:21, 82:5, 87:20, 89:5, 89:21, 90:4, 91:10, 95:4, 95:5, 95:6, 95:7, 95:8, 95:9, 99:5, 99:6, 99:14, 100:8, 100:21, 101:4, 105:24, 107:5, 107:13, 111:15, 112:21, 115:23, 121:23, 123:3, 127:11, 127:19, 127:21, 128:21, 131:18, 132:5, 135:2, 136:4, 136:8, 141:21, 142:6, 142:9, 142:13, 143:4, 143:7, 143:11, 143:13, 143:15, 143:16, 144:16, 146:10, 146:17, 148:22, 149:10, 150:15, 151:20, 155:3, 155:4, 158:10, 158:13, 159:7, 160:11, 162:8, 165:16, 165:19, 165:21, 166:23, 171:8, 171:20, 173:24, 174:4, 174:6, 174:10, 178:20, 179:19, 180:20, 180:22, 181:9, 181:20, 186:4, 186:5, 186:11, 194:3, 195:16, 198:18, 199:2, 202:14, 203:10, 205:22, 205:24, 206:9, 206:11, 206:20,

206:24, 207:3, 207:5, 207:6, 207:9, 208:5, 209:11, 209:15, 210:15, 212:21, 212:23, 213:21, 214:12, 218:19, 219:7, 219:19, 222:15, 223:7, 223:14, 223:18, 223:23, 224:3, 224:10, 224:14, 225:7, 226:5, 226:7, 226:8, 226:19, 227:16, 227:24, 228:6, 228:7, 228:14, 230:9, 230:22, 231:7, 231:15, 231:16, 233:7, 236:11, 240:4, 240:6, 240:24, 242:10, 243:7, 243:10, 243:11, 243:22, 244:5, 245:23, 246:11, 246:20, 248:18, 248:19
energy-portfolio [1] - 52:11
energy-supply [1] - 112:21
enforceable [1] - 27:16
engage [1] - 65:11
engine [3] - 69:16, 75:23, 82:6
engineer [3] - 145:24, 146:18, 158:4
engineering [4] - 146:6, 192:8, 220:23, 244:18
engineers [1] - 221:11
Engineers [3] - 71:12, 174:14, 181:16
England [16] - 21:19, 57:9, 57:13, 91:9, 101:13, 103:3, 112:11, 127:9, 174:3, 188:4, 198:21, 205:23, 206:18, 236:3, 237:6, 249:9
England's [3] - 32:19, 111:24, 131:15
enhance [1] - 40:7
enjoy [8] - 26:2, 85:9, 127:4, 144:23, 199:7, 201:11, 238:17, 238:24
enjoyed [2] - 40:9, 209:6
enjoying [1] - 93:10

enjoys [1] - 66:4
enormous [3] - 91:17, 112:8, 252:5
enriching [1] - 99:11
ensure [4] - 63:23, 88:9, 140:21, 191:6
ensuring [1] - 9:9
entangled [1] - 243:17
enter [1] - 156:17
entered [1] - 102:14
enthusiasts [1] - 247:6
entire [13] - 19:19, 48:13, 70:18, 95:19, 114:5, 122:4, 123:6, 123:14, 167:4, 168:15, 212:24, 232:14, 241:13
entirely [3] - 18:14, 101:24, 192:17
entitles [1] - 64:17
entrance [1] - 134:6
entrepreneurial [4] - 52:12, 179:7, 217:7, 217:9
Entrepreneurs [1] - 81:5
entrusted [1] - 42:2
Environment [4] - 53:20, 141:21, 141:22, 142:14
environment [37] - 19:5, 20:7, 21:10, 25:24, 41:16, 41:23, 42:3, 43:3, 43:4, 43:6, 43:19, 51:20, 51:22, 72:13, 83:15, 95:14, 98:12, 98:16, 107:10, 108:19, 142:22, 145:18, 151:19, 152:6, 152:7, 168:6, 180:16, 180:24, 191:22, 209:3, 210:19, 210:24, 221:13, 238:2, 241:4, 244:6, 245:9
environmental [55] - 7:5, 8:16, 8:19, 9:9, 12:7, 20:13, 21:4, 23:11, 28:10, 33:13, 34:23, 38:14, 41:4, 41:21, 48:9, 59:7, 60:8, 60:10, 60:20, 68:22, 71:19, 73:18, 74:8, 81:13, 83:17, 84:2, 89:13, 89:14, 96:21, 99:10, 105:14, 112:20, 127:18,

133:7, 140:19,
141:23, 146:11,
146:24, 149:7,
163:12, 172:16,
174:12, 174:20,
175:7, 181:17,
191:18, 191:24,
192:7, 192:16,
192:21, 201:18,
205:22, 205:24,
209:19, 234:8

Environmental [24] -
10:16, 12:19, 14:3,
15:16, 15:20, 31:24,
42:11, 59:3, 73:15,
73:20, 74:6, 81:5,
83:12, 155:12,
172:24, 174:13,
174:18, 182:17,
185:12, 193:13,
205:19, 205:20,
207:19, 215:12

**environmental-
friendly** [1] - 99:10

environmentalist [1]
- 228:22

environmentally [8]
- 19:24, 36:21, 40:14,
41:15, 41:24, 131:7,
140:17, 249:4

environments [2] -
208:20, 208:24

equally [1] - 134:5

equate [1] - 157:23

equates [2] - 37:14,
109:4

equitable [1] -
192:20

equivalent [5] -
115:23, 122:14,
159:9, 159:17, 198:22

erect [1] - 39:22

erecting [1] - 67:6

Ernie [2] - 184:10,
184:13

erosion [2] - 96:2,
164:8

erratic [2] - 251:10,
251:23

error [1] - 90:6

Eskimos [1] - 163:24

especially [10] -
14:16, 14:20, 108:24,
124:10, 137:4, 174:3,
175:9, 192:12,
206:17, 239:15

essence [2] - 29:22,
234:15

essential [2] -

130:18, 181:23

essentially [1] -
12:12

establish [2] - 24:4,
26:18

established [6] -
27:17, 38:6, 63:22,
64:13, 78:5, 236:6

establishing [2] -
146:11, 168:3

estate [1] - 137:3

esthetic [5] - 168:21,
189:17, 191:6,
200:12, 220:4

esthetics [2] - 123:9,
247:11

estimate [4] - 110:8,
130:7, 157:15, 221:15

estimated [6] -
26:14, 37:18, 157:5,
209:12, 222:21, 237:6

estimates [1] -
221:10

estimating [1] -
209:19

estuaries [1] -
175:11

et [1] - 43:10

euphemism [1] -
95:24

Europe [6] - 93:3,
131:11, 170:13,
175:6, 211:21, 232:20

evaluate [5] - 28:15,
146:21, 176:2, 201:9,
247:3

evaluated [3] -
200:4, 200:7, 246:22

evaluating [1] -
191:20

evaluation [1] -
149:8

evangelical [1] -
94:20

evasive [1] - 137:5

evening [43] - 2:3,
2:12, 3:7, 3:18, 3:19,
27:22, 35:19, 35:24,
39:13, 39:16, 55:2,
60:3, 61:22, 63:17,
63:18, 63:19, 67:24,
73:7, 77:8, 81:3,
87:15, 87:24, 92:14,
106:9, 110:20,
119:12, 143:23,
147:14, 151:5, 155:9,
171:19, 177:24,
191:13, 195:18,
198:2, 214:5, 214:6,

215:7, 220:18,
233:14, 239:23,
247:18

event [1] - 138:20

events [5] - 22:16,
25:12, 109:12, 138:4,
142:14

eventually [1] -
102:14

ever-expanding [1] -
222:14

ever-growing [2] -
22:24, 25:21

everyday [1] -
105:16

everywhere [4] -
93:7, 107:23, 218:13,
252:19

evidence [7] - 139:3,
150:12, 156:22,
174:11, 179:24,
204:22, 243:3

exactly [3] - 52:12,
103:6, 103:12

examine [1] - 48:5

examined [4] - 26:7,
181:15, 181:18,
181:24

example [5] - 11:13,
69:14, 158:14,
166:18, 200:18

examples [2] -
13:10, 131:11

exceed [2] - 196:14,
209:16

excellent [3] - 147:4,
163:11, 163:16

except [1] - 139:3

exceptional [1] -
139:21

excited [1] - 230:19

excitement [1] -
230:21

exclusive [3] - 133:5,
136:19, 156:9

excuse [1] - 95:7

Executive [2] -
124:20, 196:5

executive [11] -
63:20, 64:16, 73:8,
96:16, 96:24, 117:7,
126:13, 147:16,
149:4, 165:10, 235:3

exempt [1] - 196:10

exercise [2] -
108:15, 108:17

exhaustive [3] -
97:19, 166:3, 187:19

exist [4] - 48:3, 69:9,

164:10, 252:22

existence [1] - 78:3

existing [4] - 159:12,
189:21, 206:20,
211:21

exists [7] - 61:3,
69:8, 80:16, 134:13,
190:3, 210:22, 211:18

expand [3] - 141:17,
206:22, 241:22

expandability [1] -
40:15

expanding [1] -
222:14

expansion [1] - 53:5

expected [3] - 88:11,
89:15, 196:21

expediency [1] -
135:5

expedited [1] - 52:15

expeditiously [2] -
53:7, 137:15

expense [3] - 9:6,
20:4, 193:5

expensive [3] -
113:20, 136:19,
236:18

expensively [1] -
131:8

experience [6] -
30:9, 46:20, 97:5,
139:8, 191:20, 229:18

experiment [1] -
28:14

experimental [2] -
28:4, 30:22

expertise [2] -
146:12, 178:11

explain [4] - 16:24,
202:23, 235:6, 235:15

explaining [1] -
211:6

explanation [2] -
138:3, 201:2

explicit [1] - 90:17

exploit [2] - 105:10,
192:22

exploitation [2] -
66:9, 186:3

exploited [1] -
218:23

explosives [1] -
122:11

exporting [2] -
223:4, 223:6

exposure [1] -
208:19

express [2] - 49:14,
51:24

expressed [2] -
32:15, 165:18

expresses [1] -
147:10

extend [1] - 10:3

extended [4] - 9:22,
9:24, 121:12, 213:4

extensive [3] -
48:15, 89:13, 102:17

extent [1] - 123:3

extinct [1] - 202:6

extinction [1] -
120:13

extract [1] - 179:16

extracted [1] - 63:4

extraordinarily [2] -
43:21, 88:15

extraordinary [3] -
64:5, 89:3, 164:18

extremely [3] - 48:9,
50:9, 141:5

eye [1] - 244:20

eyed [1] - 57:5

eyes [2] - 217:15,
241:8

F

FAA [5] - 48:5, 48:10,
50:12, 50:15, 76:10

face [6] - 55:11,
107:14, 166:16,
170:13, 176:10,
242:24

facilitating [1] -
132:14

facilitation [1] - 2:9

facilitator [2] - 2:7,
2:12

facilities [4] - 68:24,
127:13, 127:19,
127:20

Facilities [1] - 237:5

facility [4] - 16:6,
86:11, 207:18, 232:21

facility's [1] - 197:8

facing [4] - 152:20,
152:22, 201:20, 206:6

fact [27] - 22:21,
28:10, 40:14, 45:24,
50:14, 51:5, 68:21,
69:5, 73:16, 103:5,
126:3, 141:6, 194:19,
197:19, 200:23,
205:8, 212:15, 213:7,
213:15, 216:4,
217:11, 236:24,
237:4, 237:8, 248:3,
248:9, 253:19

<p>fact-based [1] - 73:16</p> <p>factors [4] - 13:2, 13:4, 13:21</p> <p>facts [10] - 20:9, 20:15, 23:5, 74:14, 169:21, 170:13, 179:24, 250:8, 250:9, 253:10</p> <p>factual [1] - 140:13</p> <p>failed [2] - 24:22, 251:8</p> <p>fails [1] - 108:21</p> <p>failure [2] - 123:5, 150:4</p> <p>failures [1] - 150:6</p> <p>fair [4] - 8:2, 8:24, 102:2, 149:23</p> <p>Fairbanks [1] - 2:16</p> <p>fall [2] - 15:17, 204:16</p> <p>falls [1] - 138:6</p> <p>Falmouth [1] - 228:19</p> <p>familiar [1] - 49:18</p> <p>families [3] - 19:6, 96:20, 118:15</p> <p>families' [1] - 18:20</p> <p>family [8] - 62:5, 75:20, 82:16, 98:10, 98:15, 118:14, 185:5, 229:7</p> <p>family's [1] - 250:4</p> <p>Fantom [1] - 44:6</p> <p>far [19] - 10:18, 58:14, 68:6, 70:23, 89:15, 137:24, 148:17, 160:9, 163:12, 196:20, 200:13, 201:10, 209:16, 211:14, 211:24, 240:18, 242:2, 242:4</p> <p>far-fetched [1] - 137:24</p> <p>farcical [1] - 134:5</p> <p>farm [53] - 15:11, 20:16, 30:22, 31:9, 32:8, 32:12, 37:4, 49:24, 72:17, 80:4, 80:8, 92:20, 93:15, 94:10, 116:13, 124:9, 129:5, 129:6, 129:21, 131:12, 132:7, 132:9, 133:9, 137:21, 143:2, 147:21, 151:16, 156:19, 157:2, 157:7, 157:11, 157:24, 158:23, 159:3,</p>	<p>160:20, 170:11, 171:5, 171:6, 182:21, 187:16, 202:24, 208:9, 208:12, 211:15, 211:23, 212:6, 212:23, 230:7, 231:5, 234:10, 251:14, 251:17</p> <p>Farm [1] - 29:4</p> <p>farms [11] - 19:2, 60:15, 92:21, 93:3, 99:10, 112:15, 116:16, 127:8, 129:23, 211:20, 230:7</p> <p>fashion [1] - 52:15</p> <p>fast [2] - 5:5, 172:15</p> <p>faster [3] - 194:17, 222:5, 222:22</p> <p>fate [2] - 65:5, 81:18</p> <p>father [2] - 17:22, 229:7</p> <p>father's [1] - 185:3</p> <p>fathers [1] - 17:23</p> <p>favor [11] - 28:20, 28:22, 71:2, 92:24, 95:2, 100:11, 108:5, 161:12, 167:8, 173:16, 174:9</p> <p>favorable [1] - 104:12</p> <p>fear [3] - 129:12, 136:14, 253:13</p> <p>fear-mongering [1] - 136:14</p> <p>feasibility [1] - 160:17</p> <p>feasible [3] - 33:23, 34:11, 181:12</p> <p>February [1] - 74:12</p> <p>Federal [28] - 3:14, 7:10, 26:13, 33:15, 40:18, 47:2, 47:5, 47:11, 64:16, 71:13, 72:22, 97:8, 125:7, 125:17, 126:6, 142:20, 149:22, 150:11, 158:22, 162:18, 168:13, 174:22, 177:10, 177:19, 191:19, 223:24, 232:10, 233:3</p> <p>Federally [3] - 29:9, 31:14, 120:12</p> <p>feed [1] - 161:17</p> <p>feet [7] - 10:24, 31:2, 39:23, 190:8, 221:15, 231:21</p> <p>FEIR [1] - 200:19</p> <p>FEIS [1] - 148:21</p>	<p>fell [1] - 246:24</p> <p>felled [1] - 164:22</p> <p>fellow [2] - 118:6, 246:10</p> <p>felt [1] - 116:15</p> <p>FERRO [1] - 149:16</p> <p>Ferro [1] - 149:17</p> <p>ferry [8] - 37:21, 46:19, 67:8, 76:9, 105:15, 178:5, 189:21, 211:5</p> <p>fetch [1] - 137:24</p> <p>few [17] - 3:21, 13:9, 19:23, 34:19, 43:6, 66:3, 78:15, 79:13, 95:22, 95:23, 106:17, 136:16, 137:7, 137:9, 160:13, 164:2, 248:24</p> <p>fictional [2] - 22:24, 25:21</p> <p>field [2] - 122:7, 136:4</p> <p>fields [1] - 94:5</p> <p>fifth [1] - 109:11</p> <p>Figawi [1] - 15:8</p> <p>fight [2] - 128:11, 230:10</p> <p>fighting [2] - 137:8, 226:22</p> <p>figure [4] - 148:19, 148:21, 149:2, 149:5</p> <p>file [1] - 232:15</p> <p>filed [1] - 164:2</p> <p>filing [1] - 211:22</p> <p>FILIO [1] - 121:15</p> <p>Filio [1] - 121:16</p> <p>fill [1] - 162:23</p> <p>filled [1] - 16:15</p> <p>films [1] - 129:8</p> <p>filthy [1] - 113:18</p> <p>final [12] - 8:11, 38:24, 48:8, 53:8, 74:8, 141:18, 147:10, 149:6, 172:16, 182:18, 206:3, 216:13</p> <p>Final [4] - 15:16, 15:20, 83:12, 172:24</p> <p>finalize [1] - 83:3</p> <p>finally [6] - 61:4, 147:3, 183:20, 184:6, 206:11, 219:12</p> <p>Finally [1] - 252:9</p> <p>Finance [1] - 124:22</p> <p>financial [2] - 9:4, 127:11</p> <p>findings [4] - 33:12, 90:11, 97:9, 201:3</p> <p>Fine [1] - 94:10</p> <p>finfish [1] - 57:20</p>	<p>fingers [1] - 82:8</p> <p>finish [15] - 15:17, 31:7, 39:4, 54:10, 69:24, 84:5, 87:9, 106:3, 116:23, 119:10, 128:9, 158:2, 175:14, 191:11, 233:11</p> <p>finished [1] - 9:4</p> <p>Finland [1] - 138:10</p> <p>fire [1] - 160:20</p> <p>fired [5] - 90:20, 167:2, 171:4, 179:17, 239:9</p> <p>firing [1] - 244:4</p> <p>firm [2] - 2:9, 197:7</p> <p>First [15] - 3:20, 6:20, 10:11, 19:12, 29:18, 30:6, 60:7, 71:11, 79:15, 88:2, 90:11, 106:18, 140:18, 189:7, 235:17</p> <p>first [36] - 12:7, 16:10, 16:17, 17:14, 30:11, 30:13, 42:23, 51:11, 52:10, 66:12, 72:16, 81:14, 83:5, 102:6, 116:11, 116:17, 119:24, 140:2, 140:4, 142:24, 147:19, 149:3, 153:12, 153:17, 154:18, 163:18, 163:19, 169:14, 182:20, 190:2, 220:19, 224:6, 225:18, 230:6, 246:24, 248:6</p> <p>Firstly [1] - 215:5</p> <p>fiscal [1] - 209:16</p> <p>fish [28] - 13:24, 18:15, 18:16, 18:17, 19:5, 58:14, 58:19, 60:23, 64:6, 66:20, 78:20, 78:23, 79:19, 80:7, 98:24, 117:14, 132:21, 135:23, 156:9, 156:13, 184:20, 184:21, 184:22, 185:6, 239:17, 245:11</p> <p>fished [3] - 151:12, 151:13, 185:2</p> <p>Fisheries [4] - 57:10, 57:11, 132:24, 157:15</p> <p>fisheries [13] - 14:19, 42:17, 44:2, 57:3, 57:4, 58:22, 80:19, 80:20, 119:8, 150:9, 150:12, 155:23,</p>	<p>184:23</p> <p>fisherman [9] - 108:13, 118:6, 144:13, 151:7, 151:10, 156:8, 157:24, 184:19, 187:17</p> <p>fishermen [27] - 19:6, 32:13, 66:20, 67:19, 75:10, 76:5, 78:20, 80:2, 80:6, 105:13, 108:23, 117:14, 133:6, 156:5, 156:9, 156:11, 156:13, 156:17, 156:21, 184:22, 189:22, 210:24, 211:6, 211:7, 216:7, 216:20, 239:16</p> <p>Fishermen's [3] - 77:12, 79:10, 133:8</p> <p>fishermen's [1] - 108:11</p> <p>fishery [5] - 42:22, 43:2, 57:13, 58:9, 185:22</p> <p>fishes [3] - 56:22, 57:22, 58:15</p> <p>fishing [48] - 17:20, 18:18, 19:7, 19:20, 32:10, 42:14, 42:23, 56:13, 59:11, 66:17, 75:18, 76:3, 77:14, 77:22, 78:13, 79:12, 80:16, 85:9, 99:12, 104:10, 108:24, 109:8, 110:6, 110:12, 114:3, 116:19, 117:9, 117:20, 117:21, 118:2, 118:9, 118:11, 118:15, 130:2, 132:18, 151:8, 155:16, 156:22, 157:2, 157:8, 157:12, 168:23, 189:23, 208:14, 211:4, 211:9, 221:21, 245:7</p> <p>Fishing [1] - 108:24</p> <p>five [13] - 4:17, 23:21, 25:11, 100:9, 100:20, 113:19, 122:7, 140:6, 193:22, 226:11, 234:10, 234:11</p> <p>Five [1] - 68:5</p> <p>five-year-old [1] - 226:11</p> <p>fix [4] - 18:9, 212:18, 221:17, 230:3</p> <p>Fixing [1] - 19:13</p>
---	--	--	--	---

Fjeld [1] - 208:2
flagship [1] - 186:19
flash [1] - 224:24
flashed [1] - 2:21
flat [1] - 134:19
Flat [1] - 235:5
flats [1] - 184:2
flawed [4] - 28:11, 32:9, 41:24, 66:6
fleet [1] - 42:23
flies [2] - 50:3, 170:12
flight [2] - 47:9, 47:10
flights [5] - 47:15, 47:17, 49:23, 76:8, 230:2
floating [2] - 69:12, 134:14
flocking [1] - 133:13
flood [1] - 222:7
flooding [1] - 221:4
floor [4] - 2:21, 18:13, 134:20, 185:21
Flores [1] - 182:12
Florida [2] - 68:17, 227:20
flounder [3] - 57:24, 58:2, 118:24
fluke [5] - 18:17, 109:9, 117:15, 132:20, 156:7
fly [1] - 47:20
flying [1] - 97:5
focus [2] - 111:12, 195:22
focused [1] - 23:10
foes [1] - 131:13
fog [1] - 15:12
Folks [2] - 52:3, 54:9
folks [9] - 6:9, 6:21, 16:22, 69:21, 150:23, 214:4, 216:18, 216:22, 245:14
follow [3] - 63:17, 73:6, 99:7
followed [2] - 15:18, 97:18
following [4] - 36:23, 57:18, 124:18, 184:9
follows [2] - 185:12, 214:19
food [9] - 18:22, 43:11, 43:14, 60:23, 77:24, 78:9, 78:20, 78:22, 135:23
fool [1] - 194:8
fools [1] - 74:18
footings [2] - 18:12,

19:3
footprint [5] - 12:14, 73:22, 187:14, 206:8, 248:18
for-profit [1] - 126:19
forbearance [1] - 137:11
forbid [1] - 145:5
force [3] - 9:17, 125:20, 241:21
Force [1] - 229:16
forced [2] - 121:22, 235:22
forceful [1] - 232:5
forces [1] - 74:21
forecasts [1] - 60:10
foregoing [1] - 255:6
foreign [8] - 52:24, 66:2, 86:17, 116:8, 151:22, 189:9, 223:2, 223:5
foreigners [1] - 78:19
foremost [1] - 189:7
foreseeable [1] - 38:22
forest [1] - 145:10
forests [2] - 114:3, 164:21
forever [5] - 30:21, 34:24, 68:11, 122:21, 224:17
forget [2] - 5:10, 62:22
form [5] - 43:11, 121:8, 161:23, 168:21, 233:5
formaldehyde [1] - 128:2
formally [1] - 49:14
formed [2] - 7:7, 84:18
former [5] - 28:7, 46:18, 144:3, 178:4, 188:17
forms [1] - 43:15
Fortunately [1] - 136:5
Forty [1] - 156:11
Forty-eight [1] - 156:11
forward [17] - 5:17, 15:23, 53:12, 84:19, 88:22, 130:22, 134:3, 178:24, 179:9, 179:10, 179:11, 180:6, 191:2, 220:7, 243:6, 249:20, 249:23
fossil [26] - 21:14,

52:20, 88:10, 88:17, 88:20, 90:13, 100:19, 107:10, 113:13, 113:14, 114:9, 122:3, 142:9, 142:10, 143:15, 147:6, 164:4, 166:17, 180:22, 181:7, 198:20, 206:13, 208:6, 209:9, 209:13, 249:2
fossil-fuel [5] - 52:20, 88:17, 88:20, 113:13, 143:15
fossil-fuel-laden [1] - 142:10
fossil-fueled [1] - 142:9
FOSTER [2] - 191:13, 212:11
Foster [2] - 191:14, 212:12
Foundation [3] - 23:12, 87:19, 163:17
foundation [1] - 13:13
founded [1] - 215:21
founder [6] - 60:4, 81:4, 96:16, 96:24, 128:19, 167:12
founders [1] - 75:3
four [13] - 6:22, 53:24, 54:5, 60:15, 65:20, 151:13, 153:14, 169:17, 187:20, 189:2, 232:9, 245:22, 253:4
four-story [1] - 232:9
Fourth [1] - 70:7
fourth [3] - 2:4, 6:22, 153:11
fraction [2] - 91:7, 133:11
fragile [1] - 227:12
frame [2] - 4:5, 201:23
framework [1] - 73:19
Framingham [1] - 210:3
France [1] - 232:21
Frances [1] - 25:7
Francis [1] - 167:24
Frank [1] - 53:19
frankly [2] - 103:20, 248:11
Frantzen [1] - 210:3
FRANZEN [1] - 210:2
Fred [1] - 198:3
free [5] - 59:12,

76:18, 88:13, 162:13, 219:22
freedom [1] - 225:10
FREEMAN [1] - 131:2
freight [1] - 37:10
frequent [1] - 37:9
friend [1] - 162:3
friendly [4] - 34:12, 99:10, 176:10, 223:5
friends [4] - 62:5, 98:10, 98:15, 162:17
front [6] - 5:13, 108:9, 115:2, 143:22, 167:10, 171:18
frustrated [1] - 55:6
fucking [1] - 153:5
fuel [24] - 35:6, 52:20, 53:2, 78:17, 86:24, 88:12, 88:17, 88:20, 113:13, 142:10, 143:15, 146:15, 158:10, 164:4, 174:5, 179:19, 187:13, 198:20, 209:9, 209:13, 212:8, 227:5, 236:13, 236:14
fueled [2] - 142:9, 158:16
fuels [16] - 21:14, 88:10, 90:13, 100:19, 107:11, 113:14, 114:9, 122:3, 147:6, 166:18, 180:23, 181:7, 206:13, 208:6, 218:9, 249:2
full [6] - 8:2, 57:19, 89:10, 116:2, 174:16, 237:16
fullest [1] - 123:2
fully [4] - 14:9, 57:15, 111:17, 219:5
fumes [1] - 246:3
fun [1] - 162:13
fundamental [1] - 30:7
funded [1] - 187:23
funding [1] - 45:6
funny [1] - 247:9
furry [1] - 220:13
Furthering [1] - 219:18
Furthermore [1] - 138:10
future [29] - 18:23, 20:4, 27:14, 59:15, 72:19, 95:17, 99:6, 108:3, 142:6, 142:10, 142:15, 142:18,

143:17, 147:7, 159:20, 179:4, 182:18, 195:6, 198:18, 202:20, 203:14, 203:16, 214:12, 225:6, 231:3, 233:19, 234:3, 234:21, 249:3
Future [1] - 74:17

G

gain [2] - 63:13, 105:11
gains [1] - 116:21
GALLAGHER [1] - 137:18
Gallagher [1] - 137:19
gallon [1] - 86:20
gallons [3] - 37:19, 76:17, 159:15
gap [2] - 162:23, 162:24
garage [1] - 232:10
garnering [1] - 25:18
Gas [1] - 112:10
gas [15] - 7:8, 52:18, 55:13, 100:19, 105:19, 111:14, 127:10, 143:8, 158:16, 164:3, 187:8, 190:12, 206:19, 222:23, 238:12
gases [3] - 128:5, 151:23, 166:24
gasoline [1] - 86:20
gasses [1] - 219:20
gather [1] - 98:15
gathered [1] - 72:15
Gay [3] - 17:19, 29:16, 31:12
gear [16] - 79:19, 108:13, 108:24, 109:5, 109:6, 109:10, 133:5, 155:15, 156:5, 156:7, 156:11, 157:2, 157:8, 157:11, 157:23, 211:9
gems [1] - 136:24
general [2] - 64:8, 92:16
General [4] - 124:24, 125:19, 168:11
generally [1] - 69:17
generate [9] - 41:10, 70:13, 140:16, 189:8, 191:4, 197:17, 218:10, 240:23,

245:24
generated [7] -
 39:19, 69:16, 71:18,
 95:9, 112:9, 148:24,
 244:9
generates [2] -
 70:24, 231:21
generating [4] -
 67:13, 88:21, 170:21,
 190:9
generation [22] -
 40:2, 52:21, 53:2,
 57:16, 61:5, 62:19,
 106:22, 107:13,
 111:13, 111:22,
 112:2, 112:4, 158:17,
 158:19, 159:11,
 189:4, 190:13, 218:8,
 218:16, 246:3, 246:4,
 246:16
generation's [1] -
 81:20
generations [4] -
 68:5, 74:17, 203:16,
 249:3
generators [4] -
 12:3, 12:4, 12:7, 38:8
generous [1] - 219:8
gentleman [2] -
 76:22, 133:15
gentlemen [2] -
 126:7, 237:8
geopolitically [1] -
 187:8
Georges [1] - 78:7
geothermal [4] -
 181:11, 194:5, 207:3,
 238:14
germy [1] - 136:24
ghost [1] - 48:19
GIACALONE [2] -
 108:10, 110:17
Giacalone [1] -
 108:11
Gifford [4] - 20:24,
 25:4, 35:16, 35:20
GIFFORD [1] - 35:19
Given [2] - 90:9,
 174:7
given [8] - 5:22,
 22:22, 44:16, 50:22,
 113:20, 147:20,
 176:13, 212:19
glad [4] - 84:21,
 84:22, 203:20, 254:16
Glen [1] - 203:23
Global [2] - 214:10,
 219:13
global [51] - 19:14,

24:20, 56:7, 61:17,
 65:24, 74:21, 90:2,
 90:19, 91:2, 91:6,
 95:17, 105:17,
 106:21, 106:24,
 113:6, 113:23, 114:8,
 114:10, 115:10,
 142:12, 146:17,
 155:3, 160:23, 162:4,
 163:22, 173:8,
 173:23, 174:7,
 175:10, 181:3,
 189:10, 193:16,
 193:17, 194:8,
 194:10, 194:20,
 198:13, 201:21,
 202:22, 203:6,
 203:19, 213:20,
 214:17, 214:19,
 215:24, 216:5,
 217:17, 219:21,
 222:13, 223:11,
 234:19
globally [2] - 82:3,
 253:22
Gloucester [3] -
 117:12, 133:8, 220:22
goal [7] - 19:3,
 27:10, 63:3, 72:20,
 187:2, 198:17, 206:18
goals [3] - 41:13,
 207:5, 207:6
gobbledygook [1] -
 127:23
God [4] - 84:16,
 94:24, 95:4, 145:5
God-made [1] -
 84:16
GONELL [1] - 240:13
GOOD [1] - 101:7
good-bye [1] - 96:7
goods [1] - 38:17
GORDON [2] - 71:7,
 249:16
Gordon [8] - 59:8,
 71:7, 73:6, 169:8,
 179:8, 235:8, 249:17
gorgeous [1] -
 231:13
Government [5] -
 12:21, 149:22,
 150:11, 174:22,
 223:24
government [6] -
 44:16, 45:16, 185:8,
 186:24, 187:20,
 198:12
Governor [6] - 74:3,
 74:9, 100:5, 136:5,

165:18, 167:24
grade [1] - 115:4
graduated [2] -
 146:4, 186:19
grain [1] - 78:16
Grammys [1] -
 132:15
grandchildren [3] -
 188:9, 220:8, 248:23
granddaughters [1]
 - 234:2
grant [3] - 112:23,
 156:8, 207:16
granted [2] - 156:19,
 188:5
grasp [1] - 89:10
grassroots [1] - 73:9
grave [3] - 204:15,
 204:18, 205:2
gravel [1] - 7:9
gravity [1] - 59:10
great [15] - 6:21,
 21:11, 25:17, 36:13,
 42:4, 66:23, 77:23,
 109:22, 176:24,
 177:7, 181:15, 184:2,
 193:9, 238:21, 239:4
Great [3] - 7:2,
 29:17, 152:10
Greater [1] - 171:23
greater [9] - 40:15,
 61:14, 76:12, 126:18,
 192:23, 199:2,
 209:11, 209:15,
 221:20
greatly [5] - 45:5,
 45:8, 117:24, 180:21,
 223:20
greatness [1] - 85:12
greed [2] - 34:18,
 210:19
green [14] - 11:22,
 17:4, 24:2, 41:19,
 53:5, 70:14, 70:19,
 77:21, 92:5, 92:8,
 227:16, 228:7, 231:15
Green [4] - 16:19,
 21:4, 35:17, 228:6
green-technology
 [1] - 53:5
Greene's [1] - 82:12
Greenhouse [1] -
 112:10
greenhouse [7] -
 52:18, 55:13, 128:5,
 151:23, 164:3,
 166:23, 219:20
Greenland [1] -
 138:15

Greenlanders' [4] -
 102:9, 103:2, 103:7,
 138:5
Greenpeace [4] -
 173:15, 173:17,
 174:8, 174:15
greetings [1] - 99:20
grew [4] - 85:2,
 184:8, 237:21, 245:6
grid [3] - 90:13,
 187:16, 236:8
grid-connected [1] -
 90:13
grids [1] - 252:5
Griffin [3] - 39:10,
 46:12, 46:18
grinding [1] - 184:3
GRISWOLD [1] -
 169:14
Griswold [1] -
 169:17
grocery [1] - 212:8
grossly [1] - 251:9
ground [2] - 57:13,
 150:17
grounds [12] - 18:15,
 59:11, 66:17, 75:18,
 76:3, 78:14, 110:12,
 155:16, 204:22,
 205:5, 221:21
group [8] - 3:4, 4:6,
 107:8, 111:4, 115:8,
 138:8, 153:23, 180:14
Group [1] - 56:24
groups [4] - 23:11,
 105:14, 106:15,
 198:12
grow [3] - 23:3,
 43:11, 121:18
growing [5] - 22:24,
 25:21, 99:6, 154:23,
 221:16
grown [1] - 97:21
growth [4] - 82:6,
 91:3, 91:8, 170:17
Guard [7] - 36:3,
 37:17, 38:3, 38:21,
 39:2, 50:2, 50:6
Guard's [1] - 36:19
guess [3] - 4:3,
 230:5, 250:21
guide [1] - 243:5
guided [1] - 64:20
guides [1] - 129:24
guilt [1] - 162:13
guilt-free [1] -
 162:13
gullible [1] - 136:22
gunwale [1] - 183:9

Gustave [1] - 244:14
gusting [1] - 252:3
guys [2] - 193:11,
 212:11

H

habitat [6] - 34:22,
 68:15, 120:5, 151:18,
 186:8, 245:7
habitats [2] - 120:23,
 164:22
habits [1] - 185:15
Haddad [1] - 126:13
Half [1] - 4:2
half [6] - 109:4,
 116:7, 140:6, 166:22,
 224:15, 252:10
halt [1] - 65:5
hamper [1] - 38:8
hand [4] - 18:7, 18:8,
 42:5, 234:13
handed [2] - 18:2,
 176:7
hands [3] - 108:4,
 179:23, 195:6
hanging [1] - 109:20
hangs [1] - 234:16
hangup [1] - 109:20
Harbor [1] - 241:2
hard [7] - 5:21, 6:10,
 79:23, 119:16,
 128:15, 129:15
hard-pressed [1] -
 79:23
hardly [1] - 165:5
hardshell [1] - 57:6
HARLACZ [1] -
 214:24
Harlacz [1] - 215:2
harm [6] - 35:4,
 174:12, 174:14,
 208:14, 232:18,
 245:17
harming [1] - 80:13
harmony [1] - 244:17
harms [1] - 174:21
harness [1] - 41:2
Harnessing [1] -
 123:3
Harry [1] - 105:21
Hartford [2] - 245:22,
 246:10
HARTMAN [1] - 81:3
Hartman [1] - 81:4
Harvard [1] - 183:14
harvest [1] - 185:6
harvested [1] -
 118:24

<p>hasten [1] - 246:6 hatcheries [1] - 57:4 Hatteras [1] - 101:4 havoc [1] - 114:17 HAYES [1] - 113:3 Hayes [1] - 113:3 hazard [6] - 19:7, 36:15, 47:7, 47:15, 50:15, 76:10 HEAD [1] - 195:18 head [3] - 126:3, 126:6, 161:2 Head [4] - 17:19, 29:16, 31:13, 195:19 headed [1] - 100:19 Headquartered [1] - 126:22 healing [1] - 208:24 health [9] - 72:13, 113:7, 114:21, 123:11, 127:18, 130:18, 180:15, 181:2, 234:15 Health [3] - 183:15, 208:4, 208:15 healthier [1] - 234:4 HealthLink [3] - 180:13, 181:5, 182:3 HealthLink@ HealthLink.org [1] - 180:18 healthy [1] - 185:22 hear [12] - 3:15, 5:21, 63:12, 63:18, 72:8, 92:12, 128:24, 162:24, 203:2, 227:15, 243:2 heard [24] - 5:19, 78:15, 81:20, 93:16, 133:24, 153:24, 154:4, 160:20, 176:14, 202:12, 204:10, 204:12, 204:20, 208:10, 216:16, 221:5, 229:15, 244:3, 253:10, 253:12, 253:13, 253:14, 253:15 Hearing [1] - 1:9 hearing [25] - 2:4, 6:2, 6:22, 31:23, 33:5, 56:20, 119:15, 153:11, 153:18, 154:15, 176:4, 176:24, 177:2, 177:5, 177:11, 177:19, 181:19, 204:12, 212:5, 215:10,</p>	<p>227:10, 228:2, 228:10 hearings [17] - 15:16, 17:2, 22:20, 25:15, 65:20, 71:17, 72:2, 103:18, 104:20, 154:10, 172:8, 181:16, 186:16, 189:2, 190:2, 220:21, 253:4 heart [3] - 66:18, 75:23, 250:10 heartbeat [1] - 105:8 heartfelt [1] - 72:4 heartily [1] - 137:10 heat [1] - 93:10 heated [1] - 226:4 heating [1] - 158:18 heavily [4] - 67:2, 127:10, 196:22, 224:2 heavy [1] - 15:11 hedge [1] - 88:16 height [2] - 11:12, 51:4 heightened [1] - 64:17 held [7] - 131:10, 134:19, 151:11, 155:24, 181:16, 217:12, 242:20 Helen [1] - 98:8 Hello [12] - 44:5, 106:8, 115:3, 121:15, 126:12, 158:3, 180:11, 182:11, 184:7, 186:13, 205:17, 249:16 HELM [2] - 69:22, 70:2 HELMS [2] - 67:24, 68:5 Helms [1] - 68:2 help [15] - 4:23, 8:15, 47:20, 53:4, 84:7, 107:19, 114:13, 115:20, 143:9, 150:24, 198:24, 207:5, 219:24, 225:5, 247:15 helped [2] - 210:16, 220:12 helpful [2] - 5:8, 161:6 helping [1] - 106:20 helps [1] - 2:9 HEMENWAY [1] - 133:23 Hemenway [1] - 133:23 Hemisphere [1] -</p>	<p>102:11 Henrietta [4] - 46:14, 51:9, 54:21, 54:23 Henry [1] - 182:11 heritage [1] - 64:8 HERMANN [1] - 171:19 Hermann [1] - 171:20 hero [1] - 215:7 heroes [1] - 74:18 herring [1] - 58:3 Hi [10] - 99:19, 137:18, 199:13, 212:11, 214:24, 219:2, 225:17, 228:18, 230:14, 249:16 hibernatory [1] - 58:21 hidden [1] - 244:16 high [20] - 10:24, 35:8, 47:24, 48:20, 54:3, 63:13, 67:14, 68:17, 93:6, 102:19, 138:17, 154:16, 183:4, 205:7, 218:9, 218:18, 235:22, 236:4, 247:17 High [2] - 94:6, 106:10 High-end [1] - 94:6 high-energy [1] - 35:8 high-intensity [2] - 218:9, 218:18 high-rises [1] - 68:17 high-tension [2] - 93:6 higher [2] - 69:18, 170:2 highest [5] - 10:23, 27:14, 100:16, 113:15, 135:14 highlight [1] - 138:15 highly [1] - 240:6 highs [1] - 61:5 Highway [3] - 125:5, 125:7, 126:7 HILL [1] - 73:5 Hill [5] - 33:3, 73:7, 195:19, 197:9, 217:12 Hillel [1] - 249:7 Hills [1] - 169:7 hinder [1] - 76:7 hindered [1] - 202:16 hired [1] - 242:6 historian [2] - 102:5, 139:2</p>	<p>Historians [1] - 130:7 historic [9] - 28:8, 64:6, 66:24, 83:20, 139:22, 168:21, 184:23, 200:8, 200:20 historical [6] - 20:14, 62:3, 137:23, 138:22, 139:16, 156:22 historically [1] - 78:14 History [3] - 138:24, 192:10, 244:20 history [12] - 20:4, 59:14, 129:15, 129:17, 130:5, 134:3, 139:14, 160:19, 173:19, 175:2, 193:3, 202:11 hit [3] - 61:5, 76:13, 226:12 hoc [1] - 192:18 hockey [1] - 2:16 hold [6] - 54:9, 108:3, 128:7, 146:14, 156:5, 215:15 Hold [1] - 69:20 holding [4] - 119:15, 188:24, 220:20, 227:10 holds [1] - 215:18 Hole [1] - 35:21 hole [1] - 168:8 Holyoke [1] - 239:10 home [9] - 62:11, 62:16, 65:13, 68:3, 98:13, 118:10, 215:16, 249:19 homeland [1] - 19:9 homelands [1] - 20:18 homeless [1] - 241:15 homeowner [1] - 210:4 homeowner's [1] - 212:7 homeowners [4] - 144:23, 145:7, 197:10, 234:6 homeroom [1] - 54:2 homes [7] - 98:14, 167:21, 187:5, 187:6, 221:2, 222:8, 232:13 honor [1] - 20:19 honorable [1] - 214:7 hope [14] - 10:13, 99:7, 143:18, 147:9,</p>	<p>182:17, 183:13, 206:14, 216:13, 225:8, 239:15, 239:18, 240:9, 250:7, 253:15 hopefully [2] - 194:23, 254:8 hopes [1] - 72:17 hoping [2] - 15:17, 96:8 horizon [4] - 30:14, 123:19, 220:10, 233:20 horrible [1] - 116:6 Horseshoe [40] - 10:18, 11:23, 19:17, 29:5, 31:5, 40:10, 41:3, 42:17, 57:18, 58:8, 58:11, 76:2, 95:14, 97:10, 101:11, 101:17, 101:22, 102:2, 103:5, 103:9, 108:23, 109:9, 110:5, 117:13, 118:2, 132:21, 133:3, 134:5, 144:14, 144:18, 151:9, 155:15, 156:10, 156:14, 157:6, 184:21, 204:23, 210:21, 227:14, 228:8 hospital [2] - 183:18, 208:21 host [1] - 144:7 hosting [3] - 181:18, 186:16, 244:3 hot [2] - 159:2, 162:12 hour [7] - 37:18, 153:17, 159:4, 226:17, 231:23, 235:4, 236:5 hourly [1] - 236:2 hours [9] - 6:5, 6:6, 6:7, 6:10, 76:14, 91:21, 148:22, 159:6, 231:22 House [5] - 53:19, 53:21, 63:4, 125:2, 125:9 house [3] - 68:6, 162:7, 164:17 houses [2] - 226:3, 226:6 housing [2] - 113:8, 113:24 huge [8] - 42:20, 43:20, 115:11, 115:19, 142:5,</p>
--	--	---	---	--

183:13, 232:9, 239:11
hugely [1] - 130:14
hulks [1] - 159:20
hulled [1] - 187:12
human [8] - 9:9,
 129:14, 161:23,
 208:24, 219:16,
 229:10, 241:8, 245:19
humanities [1] -
 137:22
humble [1] - 62:2
humor [1] - 253:14
hundred [1] - 94:12
hundreds [8] -
 39:23, 58:16, 97:14,
 97:15, 116:5, 164:12,
 182:3, 226:3
hundredth [1] -
 224:12
hung [2] - 109:13,
 109:15
hurdle [1] - 8:22
hurdles [1] - 108:16
hurricane [4] -
 124:15, 145:16,
 226:11, 226:14
Hurricane [1] - 221:6
hurt [4] - 19:5,
 196:23, 210:17,
 211:24
hurting [2] - 67:18,
 118:20
husband [2] -
 249:17, 250:11
Hyannis [3] - 37:20,
 73:10, 84:12
hydro [3] - 207:3,
 236:11, 243:11
hydroelectric [1] -
 238:14
hydrokinetic [1] -
 232:21
hydrostorage [1] -
 159:9
hype [1] - 132:5
hypocrisy [1] - 137:6
hypothesis [1] -
 138:2

I

Ian [2] - 74:6, 214:6
IBEW [2] - 60:10,
 100:22
Ice [1] - 84:18
ice [5] - 38:15, 96:5,
 105:18, 164:5, 164:7
Icelandic [2] - 102:9,
 138:7

icon [1] - 231:6
idea [3] - 169:23,
 210:11, 248:5
Idea [1] - 138:24
ideally [1] - 16:13
ideas [1] - 100:12
identification [1] -
 8:14
identified [7] -
 101:11, 119:21,
 133:4, 133:6, 174:14,
 183:16, 187:22
identify [4] - 8:13,
 21:24, 38:9, 127:7
identifying [1] -
 83:18
identity [1] - 29:22
IFR [2] - 47:10, 50:22
ignore [3] - 89:3,
 105:11, 139:13
ignored [2] - 47:12,
 104:9
ignores [1] - 28:11
Ill [1] - 230:11
ill [3] - 23:8, 34:15,
 65:3
ill-advised [1] - 65:3
ill-conceived [2] -
 23:8, 34:15
illness [1] - 208:22
illogical [1] - 218:17
image [1] - 223:11
imaginable [1] -
 240:5
imagination [1] -
 70:22
Imagine [2] - 96:3,
 232:14
imagine [1] - 229:6
immediate [2] -
 173:22, 234:19
immediately [2] -
 216:8, 240:3
immemorial [1] -
 29:23
imminent [2] -
 201:20, 219:15
Impact [17] - 10:16,
 12:19, 14:3, 15:16,
 15:20, 31:24, 42:11,
 59:3, 73:15, 83:12,
 173:2, 174:13,
 174:19, 182:17,
 185:12, 193:13,
 215:13
impact [47] - 7:5,
 13:3, 13:11, 13:20,
 13:21, 13:22, 14:4,
 15:8, 26:4, 26:9,

42:13, 42:16, 48:21,
 50:19, 60:8, 60:10,
 60:14, 60:20, 68:22,
 74:8, 95:13, 97:11,
 106:24, 116:18,
 119:6, 127:8, 133:7,
 141:3, 149:7, 157:13,
 163:12, 166:9,
 172:16, 185:13,
 185:17, 185:20,
 189:10, 192:14,
 199:22, 200:13,
 205:10, 208:11,
 208:13, 244:7, 245:8,
 245:10, 252:2
impact-producing
 [2] - 13:3, 13:20
impacted [7] - 30:18,
 32:11, 44:15, 45:5,
 45:8, 45:11, 245:18
impacting [1] - 99:13
impacts [48] - 8:15,
 12:8, 12:24, 13:2,
 14:11, 14:12, 14:14,
 14:15, 14:17, 14:19,
 14:22, 14:23, 15:12,
 28:10, 28:12, 30:16,
 32:16, 33:14, 34:20,
 38:23, 59:7, 66:3,
 71:21, 72:12, 82:23,
 83:19, 83:23, 89:15,
 90:18, 104:10,
 108:18, 108:22,
 113:7, 117:3, 118:4,
 147:2, 166:7, 166:8,
 166:12, 175:7,
 175:10, 199:24,
 200:19, 200:21,
 201:8, 213:14,
 245:11, 246:11
impede [1] - 117:24
imperil [1] - 58:21
implement [2] -
 191:24, 206:13
implementation [1] -
 208:12
implemented [1] -
 241:9
implications [1] -
 137:23
imply [1] - 123:10
import [1] - 121:24
importance [5] -
 57:21, 58:6, 70:11,
 146:20, 199:9
important [45] - 2:10,
 19:2, 20:18, 30:6,
 35:24, 43:5, 53:12,
 70:9, 70:10, 70:11,
 70:15, 72:21, 82:19,

83:22, 88:4, 88:16,
 89:3, 101:10, 102:22,
 103:9, 106:22,
 115:15, 123:11,
 127:9, 136:9, 141:5,
 150:9, 152:12,
 165:23, 167:6,
 176:17, 176:20,
 179:3, 189:3, 199:20,
 206:4, 212:4, 216:3,
 222:12, 236:10,
 239:19, 240:20,
 248:21, 252:14
importantly [5] - 9:8,
 46:21, 160:18, 195:4,
 215:3
Importantly [1] -
 52:21
imported [4] - 72:11,
 86:21, 187:7, 206:19
imports [1] - 52:24
imposed [1] - 193:5
imposes [1] - 110:13
impossible [1] - 19:8
improve [1] - 198:19
improving [1] -
 111:13
improvisatory [1] -
 192:17
imprudent [1] -
 38:10
in(inaudible [1] -
 157:17
inaccurately [1] -
 199:21
inaction [1] - 89:4
inaudible [4] - 39:3,
 58:8, 82:17, 139:6
inaudible [2] - 58:4,
 250:16
inbox [1] - 142:3
incentive [1] -
 192:15
incentivize [1] -
 52:13
inches [3] - 43:7,
 95:22, 95:23
incidence [2] -
 150:3, 209:11
inclement [1] -
 212:17
include [9] - 48:18,
 57:22, 83:13, 83:16,
 111:12, 158:9,
 195:24, 207:2, 209:9
included [3] - 11:11,
 69:7, 155:20
Included [1] - 53:15
includes [2] -

114:12, 145:10
including [8] - 24:3,
 113:19, 165:20,
 171:23, 171:24,
 187:21, 194:6, 252:20
income [3] - 32:14,
 119:4, 151:8
incompatible [1] -
 117:19
incomplete [3] -
 24:23, 27:4, 155:19
inconceivable [1] -
 50:5
Incorporated [2] -
 29:8, 71:9
incorrect [1] -
 147:18
increase [9] - 21:15,
 21:17, 24:2, 37:11,
 60:16, 170:12,
 181:21, 212:6, 237:3
increased [8] -
 37:15, 60:23, 74:12,
 95:23, 113:24, 114:2,
 170:15, 208:22
increasing [1] -
 180:21
increasingly [4] -
 72:8, 97:21, 107:14,
 113:20
incredible [1] -
 103:10
indeed [1] - 159:14
Indeed [2] - 130:21,
 160:12
indefensible [1] -
 247:12
independence [14] -
 23:18, 52:24, 62:24,
 63:10, 74:20, 155:4,
 199:2, 206:16, 207:6,
 209:15, 243:10,
 244:2, 244:5, 248:20
Independence [1] -
 214:10
independent [5] -
 2:8, 26:8, 104:4,
 149:8, 205:8
India [1] - 230:10
Indian [3] - 20:2,
 75:10, 204:22
indicate [1] - 92:5
indicating [1] -
 168:13
indigenous [2] -
 241:13, 241:21
individual [1] - 44:9
individuals [1] -
 227:15

industrial ^[14] - 19:13, 28:14, 35:3, 35:5, 35:7, 43:22, 55:10, 66:16, 75:12, 127:21, 134:9, 148:18, 218:7, 218:15
industrial-scale ^[2] - 218:7, 218:15
industrialists ^[1] - 126:21
industrialization ^[1] - 33:17
industrialize ^[2] - 22:18, 25:14
Industrializing ^[1] - 19:22
industries ^[1] - 190:12
industry ^[19] - 19:20, 32:10, 45:7, 52:9, 52:22, 110:6, 116:6, 117:9, 118:20, 119:6, 122:18, 128:7, 134:15, 136:3, 137:2, 177:6, 192:10, 207:11, 208:14
inexhaustible ^[1] - 61:12
infectious ^[2] - 136:12, 136:23
infested ^[1] - 114:4
infirmity ^[1] - 208:19
inflated ^[1] - 134:2
influence ^[1] - 171:14
influential ^[1] - 234:7
inform ^[2] - 73:11, 127:2
informal ^[1] - 25:16
information ^[10] - 7:4, 8:5, 8:16, 8:19, 10:2, 35:12, 71:20, 197:6, 216:23, 253:23
informational ^[1] - 22:20
infrastructure ^[3] - 111:14, 112:2, 119:7
inhabit ^[1] - 219:16
inhabitants ^[3] - 193:6, 241:10, 241:21
inhabitants' ^[1] - 241:20
inhabited ^[1] - 29:24
inhale ^[1] - 246:2
inherently ^[1] - 251:8
initial ^[1] - 233:23
Initiative ^[3] - 57:11, 87:18, 112:10
initiative ^[1] - 192:3

initiatives ^[1] - 112:7
injunction ^[1] - 233:3
injured ^[1] - 42:18
ink ^[1] - 244:14
inner ^[1] - 10:24
innovation ^[1] - 82:7
innovative ^[1] - 223:21
input ^[4] - 65:8, 189:3, 189:6, 254:5
insane ^[1] - 159:14
inshore ^[1] - 184:24
inspection ^[1] - 9:17
inspections ^[1] - 9:18
Inspector ^[2] - 124:23, 125:19
inspire ^[1] - 70:17
install ^[2] - 169:10, 232:11
installation ^[3] - 14:21, 32:11, 58:17
installed ^[4] - 60:21, 170:21, 208:9, 232:8
installer ^[1] - 128:21
installing ^[1] - 175:8
instance ^[1] - 109:20
instances ^[1] - 200:24
instead ^[1] - 131:22
Institute ^[5] - 33:4, 50:17, 195:19, 197:10, 208:3
instituted ^[1] - 52:10
insufficient ^[1] - 158:18
insulting ^[1] - 110:8
insurance ^[2] - 113:24, 221:22
insure ^[1] - 47:20
integral ^[1] - 68:19
integrated ^[2] - 168:14, 196:9
integration ^[1] - 209:18
integrity ^[3] - 104:14, 125:13, 136:6
intelligently ^[1] - 146:12
intended ^[1] - 154:3
intensity ^[4] - 176:14, 218:9, 218:12, 218:18
intent ^[1] - 146:16
intentions ^[1] - 29:12
intently ^[1] - 72:3
interact ^[1] - 191:22
interconnect ^[1] - 117:18

interconnecting ^[1] - 58:18
interest ^[14] - 25:17, 25:19, 74:15, 124:3, 155:16, 175:24, 176:21, 177:22, 192:24, 193:2, 199:8, 223:7, 228:12, 243:5
interesting ^[3] - 51:3, 253:5, 254:15
interests ^[6] - 34:18, 34:19, 164:4, 191:8, 203:15, 212:2
Interfaith ^[1] - 94:21
interference ^[5] - 38:4, 49:18, 67:7, 76:6, 110:3
interfering ^[1] - 49:22
Intergovernmental ^[1] - 193:20
INTERIOR ^[1] - 1:3
Interior ^[3] - 7:8, 8:21, 85:17
intermittency ^[1] - 158:10
intermittently ^[1] - 232:2
International ^[2] - 48:23, 228:5
international ^[4] - 64:4, 155:23, 173:17, 243:20
interpretation ^[1] - 69:3
intertribal ^[1] - 29:8
intimate ^[2] - 2:6, 250:17
intrigued ^[1] - 176:22
intrinsically ^[1] - 218:16
introduce ^[3] - 10:8, 48:2, 180:23
Inupiat ^[1] - 163:24
invasive ^[1] - 166:13
invertebrates ^[1] - 57:21
invest ^[1] - 224:2
investigated ^[2] - 24:9, 26:23
investigating ^[2] - 116:11, 199:23
Investigation ^[1] - 125:18
investing ^[2] - 95:5, 166:22
investment ^[2] - 26:11, 187:24

invited ^[1] - 155:22
invites ^[1] - 156:17
invoking ^[1] - 158:20
involve ^[1] - 45:15
involved ^[2] - 8:23, 71:13
Iraq ^[4] - 24:20, 61:7, 105:20, 243:18
Iraqi ^[1] - 229:7
ironically ^[1] - 177:8
irony ^[2] - 164:18, 194:21
irreparably ^[1] - 67:4
irreplaceable ^[1] - 62:6
irresponsible ^[1] - 104:2
irresponsibly ^[2] - 67:18, 105:6
irreversible ^[2] - 35:4, 62:3
irreversibly ^[1] - 223:11
Island ^[19] - 10:21, 17:20, 40:20, 100:15, 100:23, 101:2, 134:7, 134:9, 139:16, 141:12, 155:11, 182:22, 186:15, 188:11, 201:15, 203:2, 203:21, 227:20
island ^[7] - 28:2, 42:10, 46:19, 56:14, 75:15, 182:23, 182:24
Island's ^[2] - 100:5, 100:7
Islanders ^[2] - 62:18, 105:22
islands ^[5] - 36:8, 37:24, 38:18, 47:16, 120:22
Islands ^[34] - 26:4, 41:8, 47:13, 62:8, 62:12, 66:5, 66:15, 67:3, 67:17, 75:11, 75:24, 77:3, 95:19, 96:7, 97:6, 103:23, 104:5, 104:17, 105:4, 105:5, 114:16, 123:4, 133:14, 135:2, 135:10, 144:5, 149:20, 164:15, 164:16, 168:4, 201:8, 205:11, 238:17, 244:8
Islands' ^[1] - 86:23
ISO ^[2] - 236:2, 236:10
issue ^[28] - 32:7, 35:24, 44:20, 44:22,

48:11, 63:8, 65:22, 110:4, 121:6, 124:8, 124:10, 137:22, 146:13, 146:20, 158:9, 162:4, 178:10, 189:4, 193:16, 199:9, 201:10, 222:12, 224:10, 224:11, 225:7, 228:9, 228:13, 253:20
issued ^[4] - 42:12, 50:15, 73:15, 76:10
issues ^[17] - 2:10, 8:13, 32:5, 41:4, 41:12, 49:17, 49:20, 59:13, 81:13, 89:21, 104:8, 110:13, 119:20, 178:7, 178:12, 206:6, 212:13
issuing ^[1] - 74:6
item ^[2] - 93:14, 93:21
itself ^[5] - 15:11, 72:20, 95:16, 139:7, 192:11

J

Jack ^[1] - 119:13
jacket ^[1] - 230:17
Jackie ^[1] - 117:6
James ^[3] - 54:15, 92:16, 139:24
Jamestown ^[1] - 182:23
Jamie ^[1] - 143:24
Jane ^[2] - 16:20, 31:17
January ^[2] - 9:23, 158:15
JARRED ^[1] - 201:13
Jeffrey ^[2] - 31:19, 33:6
Jennifer ^[2] - 254:10, 254:21
jeopardize ^[1] - 97:22
jeopardy ^[2] - 55:16, 80:2
Jersey ^[1] - 135:17
JFK ^[1] - 227:20
Jim ^[7] - 59:8, 71:7, 73:6, 179:8, 237:9, 249:17, 250:5
Joan ^[1] - 121:15
job ^[9] - 6:22, 7:2, 47:19, 53:4, 79:2, 82:7, 146:21, 163:11, 163:17

<p>jobs [2] - 33:3, 59:15, 60:11, 61:14, 76:5, 79:3, 87:7, 87:12, 92:20, 100:21, 113:8, 136:4, 161:17, 162:12, 189:11, 195:2, 197:18, 197:22, 199:4, 218:20, 248:15</p> <p>John [9] - 39:10, 46:12, 46:18, 54:11, 84:22, 89:20, 145:22, 159:24</p> <p>johns [1] - 136:18</p> <p>join [1] - 67:16</p> <p>Joining [1] - 74:9</p> <p>joint [1] - 57:12</p> <p>Joint [2] - 53:19, 53:22</p> <p>JONES [1] - 225:17</p> <p>Jones [1] - 225:17</p> <p>Josh [1] - 155:10</p> <p>Joyce [1] - 110:21</p> <p>Jr [1] - 212:12</p> <p>jumping [1] - 237:11</p> <p>jumpstart [2] - 73:23, 87:12</p> <p>June [1] - 132:22</p> <p>junior [1] - 106:10</p> <p>jurisdiction [2] - 46:4, 168:7</p> <p>Justice [1] - 125:16</p> <p>justice [1] - 20:13</p> <p>justification [1] - 201:3</p> <p>justify [1] - 196:9</p>	<p>kid [3] - 226:11, 238:2, 248:23</p> <p>kill [2] - 43:17, 241:19</p> <p>killed [1] - 116:5</p> <p>kills [1] - 222:4</p> <p>kilowatt [2] - 113:10, 113:12</p> <p>kilowatthour [5] - 100:18, 170:7, 171:9, 171:12, 246:12</p> <p>kind [3] - 150:13, 176:12, 179:6</p> <p>kinetic [1] - 149:10</p> <p>kiss [1] - 96:6</p> <p>Kivalina [2] - 163:23, 164:13</p> <p>KLEEKAMP [1] - 158:3</p> <p>Kleekamp [1] - 158:4</p> <p>knobby [1] - 58:8</p> <p>knots [7] - 147:23, 148:4, 148:11, 148:24, 252:3, 252:4</p> <p>knowledge [3] - 150:8, 168:16, 253:11</p> <p>known [8] - 29:18, 81:6, 119:3, 135:19, 185:18, 189:6, 221:4, 235:23</p> <p>knows [2] - 134:16, 139:2</p> <p>Kristina [1] - 208:2</p> <p>KURPIEWSKI [1] - 145:22</p> <p>Kurpiewski [1] - 145:23</p>	<p>68:13, 69:12, 89:9, 122:15, 133:19, 134:18, 150:16, 150:19, 165:4, 208:11, 241:16</p> <p>land-based [4] - 44:23, 45:3, 59:4, 89:9</p> <p>landed [1] - 132:24</p> <p>landings [2] - 58:10, 157:17</p> <p>landmark [1] - 139:22</p> <p>lands [4] - 20:16, 20:17, 30:2, 175:11</p> <p>landscape [4] - 139:16, 165:7, 209:3, 209:5</p> <p>landscapes [1] - 208:23</p> <p>Lankarge [1] - 230:15</p> <p>LANKARGE [1] - 230:14</p> <p>large [4] - 124:10, 134:8, 151:8, 207:17</p> <p>larger [4] - 60:24, 224:10, 224:22, 225:7</p> <p>largest [7] - 97:3, 124:9, 143:3, 165:15, 166:20, 188:3, 224:3</p> <p>last [20] - 56:10, 59:17, 71:14, 75:5, 78:23, 80:10, 95:22, 104:23, 151:14, 153:24, 155:13, 157:21, 159:2, 164:20, 165:14, 171:2, 179:14, 180:10, 230:15, 251:2</p> <p>Last [1] - 93:2</p> <p>late [3] - 111:18, 239:7, 243:21</p> <p>lately [1] - 135:14</p> <p>latest [1] - 169:22</p> <p>Latin [3] - 106:10, 106:12, 107:21</p> <p>laudable [1] - 192:4</p> <p>laude [2] - 146:4, 186:19</p> <p>laugh [1] - 247:6</p> <p>launch [1] - 143:9</p> <p>Laura [3] - 162:3, 220:19, 220:21</p> <p>Laurie [1] - 60:4</p> <p>law [4] - 9:7, 23:6, 45:22, 168:2</p> <p>Law [3] - 23:12, 87:18, 163:17</p>	<p>laws [2] - 33:15, 64:20</p> <p>lawsuit [2] - 156:17, 156:24</p> <p>lay [1] - 43:16</p> <p>layout [1] - 117:17</p> <p>lead [10] - 33:2, 52:19, 81:15, 81:22, 99:7, 105:12, 107:5, 186:8, 197:21, 231:2</p> <p>leader [5] - 27:12, 81:5, 82:4, 136:7, 146:21</p> <p>leaders [4] - 81:7, 111:6, 204:20, 242:5</p> <p>leadership [4] - 29:15, 74:2, 127:14, 178:15</p> <p>leading [4] - 104:7, 143:11, 207:8, 244:10</p> <p>leads [1] - 251:4</p> <p>leak [1] - 145:6</p> <p>leaked [1] - 150:7</p> <p>leap [2] - 192:6, 192:9</p> <p>learned [6] - 42:22, 68:9, 107:8, 116:12, 122:9, 238:9</p> <p>least [11] - 78:4, 80:12, 108:18, 112:14, 115:14, 128:24, 144:9, 172:6, 211:11, 228:4, 228:24</p> <p>leave [7] - 8:3, 182:13, 183:11, 213:18, 216:10, 241:22</p> <p>leaves [1] - 223:13</p> <p>leaving [1] - 241:14</p> <p>led [3] - 81:14, 120:2, 226:2</p> <p>Lee [1] - 180:12</p> <p>left [7] - 78:23, 94:8, 102:19, 179:3, 222:21, 223:19, 238:4</p> <p>leg [2] - 37:5, 41:20</p> <p>legacy [2] - 17:22, 17:24</p> <p>legal [2] - 163:15, 167:21</p> <p>legibly [1] - 4:22</p> <p>legislation [2] - 38:16, 217:11</p> <p>legislative [1] - 51:18</p> <p>legislators [1] - 53:14</p> <p>legislature [1] - 52:8</p> <p>legitimate [3] -</p>	<p>50:19, 66:15, 244:9</p> <p>length [2] - 208:21, 232:14</p> <p>less [13] - 69:17, 76:14, 90:5, 113:12, 134:22, 186:5, 186:9, 187:15, 224:11, 224:15, 243:16, 245:22, 246:15</p> <p>lessened [1] - 197:3</p> <p>lesson [1] - 185:24</p> <p>letter [7] - 32:2, 42:9, 51:13, 51:17, 53:15, 184:9, 244:11</p> <p>letters [1] - 248:4</p> <p>level [5] - 48:13, 49:23, 55:16, 64:23, 96:4</p> <p>levels [9] - 13:22, 105:18, 112:11, 113:15, 120:20, 202:8, 221:14, 222:3, 247:10</p> <p>Lewis [1] - 11:5</p> <p>Liberty [3] - 130:9, 145:11, 224:21</p> <p>license [3] - 46:4, 151:11, 232:10</p> <p>licensed [3] - 17:20, 36:4, 39:2</p> <p>lickety [1] - 5:5</p> <p>lickety-splickety [1] - 5:5</p> <p>lie [1] - 136:15</p> <p>LIEDELL [1] - 139:24</p> <p>Liedell [1] - 140:2</p> <p>lies [3] - 131:8, 132:5, 203:13</p> <p>life [22] - 2:16, 21:22, 26:13, 61:15, 62:15, 62:18, 63:14, 99:13, 100:3, 110:9, 131:11, 135:13, 145:3, 157:7, 164:10, 164:16, 185:2, 229:10, 232:19, 242:18, 250:3, 250:4</p> <p>life-sustaining [1] - 62:15</p> <p>lifeblood [1] - 45:8</p> <p>lifeguard [1] - 199:16</p> <p>lifelines [1] - 37:24</p> <p>lifelong [1] - 61:24</p> <p>lifestyle [2] - 21:9, 123:11</p> <p>lifetime [1] - 9:4</p> <p>Light [4] - 19:12, 29:18, 30:6, 94:21</p> <p>light [12] - 30:11,</p>
K	L			
<p>Kansas [1] - 171:2</p> <p>Kate [2] - 103:15, 199:13</p> <p>Katharine [1] - 217:5</p> <p>Kathryn [1] - 245:2</p> <p>Katrina [1] - 221:6</p> <p>keep [12] - 4:23, 51:15, 86:18, 88:4, 128:11, 128:15, 163:13, 192:15, 211:6, 250:6</p> <p>keeper [1] - 56:21</p> <p>keeping [1] - 38:24</p> <p>Ken [1] - 147:15</p> <p>Kennedy [3] - 84:22, 100:9, 100:11</p> <p>Kentucky [2] - 122:8, 179:16</p> <p>key [2] - 119:20, 126:23</p>	<p>labeled [1] - 200:18</p> <p>LaBelle [3] - 6:17, 6:19, 169:15</p> <p>labor [1] - 111:4</p> <p>Laboratory [1] - 146:8</p> <p>Lack [3] - 44:21, 45:12, 45:17</p> <p>lack [3] - 55:7, 80:7, 178:15</p> <p>LaCOMBE [1] - 237:19</p> <p>laden [1] - 142:10</p> <p>Ladies [1] - 126:7</p> <p>lady [1] - 133:10</p> <p>lamp [1] - 62:17</p> <p>land [18] - 34:11, 44:23, 45:3, 59:4, 61:8, 68:10, 68:11,</p>			

30:14, 92:5, 92:8,
92:9, 92:10, 131:10,
132:3, 132:4, 238:7,
238:20, 253:18
lighting [1] - 16:24
lightly [2] - 175:5,
228:22
lights [5] - 17:4,
93:10, 225:21,
225:23, 238:4
likely [3] - 55:11,
91:15, 243:17
liken [1] - 124:11
limit [4] - 4:10, 78:5,
208:6, 209:2
limitations [2] -
37:18, 158:18
limited [5] - 11:17,
23:7, 57:23, 65:6,
221:17
limiting [1] - 37:7
limitless [1] - 174:2
line [5] - 11:15,
15:13, 102:6, 192:13,
232:16
lined [1] - 232:15
lines [5] - 11:3, 40:6,
67:8, 105:15, 134:2
linguistic [1] -
138:17
lion's [1] - 23:9
lip [1] - 128:15
Lisa [1] - 39:14
list [1] - 198:14
listed [2] - 59:2,
120:12
listen [3] - 63:3,
238:6, 247:4
listened [1] - 72:3
listening [8] - 6:14,
8:9, 15:23, 85:18,
153:14, 153:17,
228:15, 250:19
literally [2] - 185:3,
247:8
literature [2] - 120:2,
138:8
live [27] - 21:23,
22:6, 31:18, 93:24,
96:17, 101:8, 105:3,
121:19, 124:4,
136:18, 139:16,
139:17, 143:15,
151:7, 173:14,
184:15, 184:16,
188:11, 194:16,
198:3, 203:10,
233:15, 240:18,
245:21, 245:22,

246:10, 250:16
lived [7] - 68:6, 93:8,
135:10, 228:19,
242:18
livelihood [5] -
18:20, 20:5, 32:17,
96:19, 241:20
livelihoods [2] -
66:22, 118:18
lives [8] - 114:17,
123:6, 129:7, 163:3,
184:14, 203:4,
243:19, 247:5
living [6] - 24:15,
41:15, 123:7, 127:5,
168:15, 245:3
Liz [1] - 128:19
LNG [1] - 187:9
load [1] - 236:5
loaded [1] - 183:9
lobbyists [1] -
126:20
lobster [1] - 98:24
local [19] - 21:9,
28:18, 34:13, 40:18,
44:15, 45:16, 55:9,
66:18, 73:12, 83:5,
85:21, 142:19,
144:10, 157:18,
157:20, 198:12,
201:9, 204:21, 253:10
Local [3] - 100:22,
247:22, 249:9
locale [1] - 59:4
locally [2] - 42:21,
253:21
located [9] - 10:18,
31:4, 48:22, 49:4,
50:5, 165:12, 184:24,
190:6, 196:20
location [24] - 11:4,
18:24, 23:22, 28:23,
49:5, 49:15, 50:4,
51:2, 57:17, 108:17,
140:15, 141:7,
160:15, 169:6,
178:21, 188:20,
189:16, 191:2, 200:2,
202:15, 210:12,
210:13, 210:14,
210:18
locations [5] - 24:14,
200:5, 200:6, 200:10,
200:13
logic [3] - 150:19,
246:22, 253:11
logistics [2] - 3:22,
6:24
Lois [1] - 113:3

long-term [1] - 63:24
Look [2] - 221:22,
221:23
look [19] - 3:22,
15:23, 87:8, 90:24,
94:11, 95:16, 96:3,
123:17, 129:10,
129:15, 130:5, 134:3,
220:7, 224:18,
226:15, 230:5,
249:23, 250:8
looked [13] - 11:7,
11:15, 11:24, 12:5,
12:11, 12:15, 12:16,
13:4, 14:2, 87:4,
205:9, 248:6, 249:20
looking [7] - 5:17,
8:13, 10:23, 20:8,
40:22, 123:18, 165:4
looks [4] - 115:13,
129:6, 172:15, 203:3
looms [1] - 124:10
loophole [1] - 33:15
lose [1] - 114:4
losing [2] - 82:2,
136:2
loss [11] - 18:19,
18:20, 33:2, 108:23,
157:4, 157:6, 157:10,
157:16, 157:19,
197:14
lost [2] - 48:18,
119:4
louder [1] - 131:12
love [7] - 96:18,
98:11, 98:16, 126:8,
164:16, 210:6, 210:7
loved [1] - 144:19
loving [1] - 161:18
Lovins [2] - 243:8,
243:13
low [11] - 24:22,
48:13, 49:23, 51:2,
101:20, 101:23,
103:5, 111:7, 120:21,
218:12, 236:3
low-cost [2] - 24:22,
111:7
low-intensity [1] -
218:12
low-level [2] - 48:13,
49:23
low-lying [1] -
120:21
LOWELL [1] - 25:7
Lowell [1] - 25:8
lower [4] - 21:14,
119:7, 159:18, 237:3
lower-cost [1] -

159:18
lowering [1] - 236:21
lowest [1] - 235:21
loyal [1] - 130:8
lucky [1] - 121:19
Luke [1] - 231:11
lying [1] - 120:21
Lynn [1] - 215:2

M

Mac [2] - 222:9,
225:8
MacAusland [2] -
94:19, 94:20
machines [4] -
18:12, 43:20, 94:14,
94:15
MACINTOSH [1] -
60:3
Macintosh [1] - 60:4
made-up [1] - 19:16
magna [1] - 146:4
magnates [1] -
126:20
magnificent [1] -
159:21
magnitude [2] -
65:21, 89:11
Magnuson [1] -
57:14
Magnuson-Stevens
[1] - 57:14
mail [3] - 10:7, 156:3,
156:12
main [1] - 36:10
Maine [1] - 92:22
maintain [2] - 58:13,
127:13
maintained [1] - 30:3
maintaining [2] -
30:13, 111:12
maintains [1] - 57:3
major [20] - 14:8,
15:6, 32:9, 52:17,
52:23, 58:11, 69:10,
93:21, 126:4, 127:7,
146:5, 146:19, 164:4,
181:2, 183:22,
187:20, 187:21,
194:9, 215:19, 230:8
majority [9] - 4:13,
32:13, 66:5, 75:8,
102:23, 122:2,
154:24, 184:15,
240:21
maker [1] - 8:20
Malcolm [1] - 225:17
malls [1] - 164:23

Maltis [3] - 16:18,
27:20, 27:23
MALTIS [1] - 27:22
mammals [2] -
14:23, 84:2
man [2] - 136:6,
222:19
manage [3] - 7:8,
7:10, 252:5
managed [2] - 64:19,
141:13
MANAGEMENT [1] -
1:4
Management [15] -
6:18, 38:20, 47:2,
48:4, 56:15, 57:10,
59:9, 71:8, 112:23,
141:14, 204:3,
215:12, 242:24,
247:19, 253:18
management [11] -
64:23, 83:17, 84:3,
84:4, 121:8, 121:9,
140:20, 175:21,
178:23, 191:24,
192:16
manager [6] - 7:19,
7:22, 49:13, 57:12,
100:22, 198:5
managers [1] - 47:14
mandate [1] - 80:19
mandated [2] -
38:16, 45:22
mandating [1] -
100:7
maneuver [1] -
109:19
maneuvers [1] - 37:2
Manhattan [4] - 31:3,
75:15, 145:12, 224:22
manner [4] - 30:21,
52:9, 174:24, 190:20
mantle [1] - 41:19
manufacturer [1] -
232:11
mapping [1] - 45:17
Marasco [3] - 25:4,
33:8, 33:10
March [3] - 1:10,
119:21, 255:8
Margaret [4] - 25:4,
39:5, 39:15, 39:16
marine [16] - 14:16,
34:21, 38:4, 57:20,
60:19, 61:2, 61:15,
64:3, 64:9, 64:15,
83:15, 84:2, 100:3,
168:12, 191:22,
247:23

Marine [4] - 14:23, 59:9, 132:23, 157:14
mariner's [1] - 36:22
mariners [3] - 39:2, 138:12, 232:17
Maritimes [1] - 38:3
Mark [3] - 153:9, 191:14, 212:11
marked [1] - 101:23
market [7] - 127:14, 170:22, 235:21, 235:23, 236:2, 236:9, 237:2
marketability [1] - 185:7
Markey [3] - 214:7, 214:8, 214:16
Markey's [1] - 214:18
Mart [1] - 166:21
Mart's [1] - 167:4
Martha's [27] - 10:21, 17:19, 19:9, 28:3, 31:6, 35:21, 36:8, 38:18, 40:24, 41:8, 42:10, 42:15, 43:24, 56:14, 56:24, 58:10, 75:6, 97:7, 103:19, 104:23, 190:7, 191:15, 212:12, 225:19, 226:3, 226:10, 233:16
Martin [2] - 85:19, 188:17
Marty [1] - 169:8
marvel [1] - 138:11
Marzilli [1] - 54:15
Mashpee [10] - 21:5, 21:6, 21:20, 31:20, 101:8, 143:24, 144:3, 144:6, 167:13, 178:2
Mass [17] - 59:5, 60:5, 110:23, 111:3, 111:11, 111:16, 112:19, 119:18, 120:14, 132:23, 167:13, 168:10, 169:6, 188:2, 207:11, 237:22, 238:10
mass [1] - 122:15
Massachusetts [112] - 1:11, 1:13, 7:11, 16:5, 27:11, 28:2, 29:6, 40:19, 45:20, 45:22, 51:18, 52:7, 53:3, 53:10, 53:14, 53:18, 55:5, 56:6, 64:11, 64:13, 70:10, 70:17, 72:24, 73:11, 75:17, 77:11, 77:14,

79:10, 81:8, 81:14, 82:15, 87:6, 87:13, 87:17, 92:22, 94:21, 94:24, 95:9, 97:4, 110:22, 111:9, 116:14, 119:13, 124:11, 124:22, 124:23, 124:24, 125:2, 125:3, 125:4, 125:5, 131:3, 132:19, 133:2, 141:6, 141:13, 141:22, 142:14, 142:17, 143:6, 143:10, 149:17, 152:16, 155:2, 156:6, 159:8, 159:10, 160:22, 165:12, 171:22, 173:14, 174:23, 175:20, 176:19, 180:14, 184:20, 186:17, 189:5, 189:12, 194:12, 195:3, 197:18, 198:4, 198:5, 198:11, 199:6, 204:19, 207:15, 210:3, 211:23, 214:8, 214:12, 214:13, 215:3, 217:16, 219:3, 220:22, 222:11, 224:17, 224:23, 230:24, 237:5, 237:21, 239:3, 239:10, 241:2, 242:17, 243:24, 245:3, 245:4, 248:17
massive [8] - 32:18, 35:8, 66:16, 76:6, 96:2, 152:13, 164:8, 223:23
massive-scale [1] - 66:16
MassPIRG [1] - 161:12
masspowershift.org [1] - 152:17
master [3] - 36:4, 138:18, 229:12
master's [1] - 146:8
Matt [1] - 163:6
matter [6] - 24:19, 32:3, 32:6, 129:17, 221:16, 238:8
matters [1] - 108:21
Maureen [1] - 7:18
maximize [2] - 108:15, 190:18
maximum [1] - 212:23
mayors [1] - 129:24

MBTA [1] - 94:3
MCAN [2] - 198:8, 198:9
McMahon [2] - 110:20, 110:21
McMansions [1] - 137:4
meager [1] - 136:20
mean [4] - 13:23, 35:7, 241:4, 241:5
means [15] - 4:8, 12:6, 12:21, 14:4, 14:6, 14:8, 142:11, 142:15, 142:18, 194:4, 194:5, 221:18
meant [1] - 21:21
measurable [1] - 14:4
measure [4] - 10:19, 28:16, 28:17, 157:3
measures [3] - 8:14, 82:24, 83:14
mechanical [1] - 146:6
Medfield [1] - 245:3
Medford [1] - 198:3
media [1] - 65:23
medium [2] - 157:17, 167:2
medium-sized [2] - 157:17, 167:2
meet [2] - 75:5, 207:5
meeting [7] - 5:17, 5:18, 70:18, 122:7, 178:9, 226:13, 254:13
meetings [3] - 22:20, 25:16, 93:20
meets [2] - 43:8, 192:12
Meg [1] - 249:17
megawatts [13] - 10:17, 147:21, 148:7, 148:11, 148:15, 148:16, 148:20, 148:24, 158:16, 158:24, 159:4, 159:9, 190:9
Melissa [1] - 219:2
melting [1] - 105:18
MEMBER [9] - 33:9, 126:12, 128:10, 152:11, 193:10, 220:18, 244:24, 247:8, 250:15
member [15] - 17:18, 22:11, 29:3, 29:13, 29:14, 29:16, 56:23, 107:7, 113:4, 144:3,

144:6, 169:18, 180:12, 191:15, 242:21
members [13] - 66:22, 73:10, 81:10, 82:16, 85:19, 85:24, 106:14, 111:16, 153:22, 171:22, 182:3, 198:10, 234:5
membership [1] - 117:9
Memorial [1] - 49:12
men [1] - 92:18
men's [1] - 3:23
mental [1] - 208:17
mention [10] - 3:17, 3:21, 6:4, 18:21, 85:6, 104:13, 119:3, 135:23, 140:2, 212:14
mentions [1] - 110:7
mercilessly [1] - 109:17
mercury [1] - 239:17
mere [1] - 23:18
merely [1] - 208:18
merits [4] - 72:16, 139:22, 251:6, 251:7
message [2] - 126:24, 153:4
met [6] - 32:12, 73:20, 111:23, 120:11, 172:14, 172:15
metal [1] - 244:12
meters [1] - 190:8
method [1] - 184:21
Metropolitan [1] - 92:17
MEYER [1] - 233:14
Meyer [1] - 233:15
Michael [2] - 149:16, 195:19
microhabitats [1] - 58:19
microphone [3] - 39:6, 51:16, 235:9
midcentury [1] - 90:2
Middle [1] - 243:15
middle [9] - 28:4, 31:6, 39:23, 66:17, 75:14, 145:9, 151:24, 184:17, 202:6
Middlesex [1] - 25:10
midterm [1] - 160:3
might [8] - 2:13, 8:14, 149:11, 177:14, 199:4, 217:24,

243:14, 243:16
migrating [1] - 69:15
migratory [3] - 18:22, 58:20, 185:14
MIHOS [2] - 123:24, 126:3
Mihos [1] - 124:3
Mike [1] - 54:13
mikes [1] - 16:16
mile [5] - 79:16, 80:5, 109:4, 109:11, 211:11
miles [20] - 7:12, 10:20, 31:3, 43:16, 58:16, 85:10, 110:11, 122:13, 122:17, 123:13, 124:13, 145:12, 169:10, 190:6, 200:14, 211:17, 226:16, 245:23, 252:10
Military [1] - 59:5
military [1] - 243:17
million [21] - 36:6, 76:8, 76:18, 115:24, 122:10, 141:11, 141:13, 148:22, 157:9, 157:12, 159:15, 173:18, 196:15, 196:18, 209:6, 209:12, 209:19, 209:22, 223:2, 234:12, 237:7
millionaire [1] - 136:17
millions [3] - 43:17, 164:12, 210:5
Milton [3] - 60:5, 169:10
mind [5] - 32:20, 39:2, 63:2, 88:4, 131:22
minded [1] - 131:7
minds [1] - 136:22
mine [8] - 163:19, 164:14, 241:11, 241:18, 241:20, 241:22, 241:23
mined [1] - 122:16
Minerals [11] - 6:17, 38:20, 47:2, 48:4, 56:15, 112:22, 204:2, 215:12, 242:24, 247:19, 253:18
MINERALS [1] - 1:4
minerals [1] - 7:9
mines [1] - 187:11
minimal [1] - 95:22
minimize [3] - 83:23, 108:16, 190:19

minimized [2] - 82:24, 113:17
minimizes [2] - 28:12, 33:13
minimum [2] - 11:16, 65:3
minimum... [1] - 128:13
mining [2] - 204:11, 242:7
Ministry [2] - 48:14, 49:19
minor [4] - 14:13, 146:6, 166:9, 175:8
Minor [1] - 14:4
minority [3] - 193:6, 202:8, 203:8
minus [1] - 30:23
minute [4] - 4:5, 4:10, 252:3, 252:4
minutes [8] - 4:11, 4:14, 4:15, 4:17, 4:18, 5:23, 6:9, 91:22
miracle [1] - 65:24
Mirant [1] - 113:19
misdirection [1] - 23:7
miseducated [1] - 20:10
misinformation [1] - 19:16
misleading [2] - 23:3, 25:22
misrepresentation [1] - 136:14
misrepresented [1] - 20:11
miss [2] - 74:18, 188:12
mission [7] - 63:23, 73:11, 94:24, 97:23, 111:11, 135:20, 205:21
missions [1] - 50:10
misstates [1] - 20:15
missteps [1] - 140:22
mistakes [2] - 79:13, 125:12
misuse [1] - 226:8
MIT [2] - 146:8, 147:15
mitigate [2] - 24:13, 189:10
mitigating [1] - 83:18
mitigation [9] - 14:7, 14:10, 14:15, 14:22, 82:24, 83:14, 83:24, 141:11, 166:12

mitigations [2] - 56:2, 56:5
MMS [58] - 3:13, 7:6, 7:13, 7:14, 7:21, 8:22, 9:18, 10:4, 27:13, 33:12, 35:11, 65:5, 69:4, 71:11, 73:16, 75:4, 83:2, 83:15, 90:17, 90:23, 104:14, 119:14, 121:7, 125:19, 127:6, 128:12, 134:16, 137:11, 140:7, 140:12, 140:20, 142:19, 146:23, 147:8, 147:17, 147:19, 153:13, 154:4, 154:11, 158:8, 170:4, 174:18, 181:18, 182:15, 186:16, 188:24, 191:18, 191:19, 191:22, 201:6, 203:3, 203:15, 204:5, 220:20, 246:6, 247:4, 253:24, 254:11
MMS's [2] - 55:24, 104:11
mobile [17] - 79:19, 108:13, 108:24, 109:5, 109:6, 117:14, 118:2, 132:18, 133:5, 155:15, 156:5, 156:7, 156:11, 157:2, 157:8, 157:11, 157:23
model [3] - 157:14, 218:7, 218:15
models [2] - 99:9, 127:11
Moderate [1] - 14:5
moderate [3] - 14:14, 14:17
modest [1] - 55:24
MOIR [2] - 82:11, 84:7
Moir [1] - 82:11
mollusks [1] - 60:22
moment [3] - 7:23, 142:2, 218:2
MONDALE [1] - 180:11
Mondale [1] - 180:12
Monday [1] - 79:9
Monday's [1] - 204:11
monetary [1] - 164:11
money [10] - 23:13, 24:24, 26:15, 27:4,

60:17, 95:8, 125:23, 145:15, 226:7, 226:23
mongering [1] - 136:14
monitor [1] - 12:7
monitoring [6] - 50:24, 83:14, 83:18, 83:24, 140:19, 172:12
Monomoy [2] - 12:16, 134:6
monopole [3] - 13:15, 14:20, 134:12
monopoles [2] - 187:15, 205:4
monoxide [1] - 127:24
month [6] - 167:3, 201:17, 212:8, 246:12, 250:19, 251:2
monthly [1] - 205:12
months [4] - 80:11, 118:11, 119:9, 155:14
monumental [1] - 73:21
MOON [1] - 205:17
Moon [1] - 205:18
MOORE [134] - 2:3, 4:2, 16:2, 20:22, 22:3, 25:2, 27:18, 31:16, 33:7, 35:16, 39:4, 42:6, 44:3, 46:11, 49:8, 51:8, 51:15, 52:3, 54:2, 54:9, 54:18, 56:9, 59:16, 61:19, 65:16, 67:21, 68:4, 69:20, 69:24, 70:4, 71:5, 73:3, 74:23, 77:4, 79:7, 80:23, 82:10, 84:5, 84:9, 85:14, 87:9, 89:18, 91:19, 91:24, 94:17, 96:13, 98:4, 99:17, 101:6, 103:14, 106:3, 108:6, 110:15, 110:19, 113:2, 114:23, 116:23, 117:4, 119:10, 121:14, 123:21, 126:2, 126:10, 128:8, 128:14, 130:24, 132:13, 133:20, 135:6, 137:13, 137:17, 139:23, 141:19, 143:20, 145:20, 147:12, 149:11, 150:21, 152:10, 153:7, 155:7, 158:2, 159:22, 161:5, 163:5, 165:8, 167:9, 169:13, 171:16,

173:12, 175:14, 175:16, 177:23, 180:7, 182:5, 182:7, 184:5, 188:14, 191:11, 193:8, 195:17, 197:23, 199:11, 203:22, 205:14, 207:22, 209:20, 209:23, 212:9, 214:2, 214:22, 217:4, 218:21, 218:24, 220:15, 223:9, 225:12, 227:6, 228:16, 230:13, 231:9, 233:10, 234:22, 236:15, 237:10, 239:21, 240:11, 242:11, 244:22, 247:7, 247:14, 249:13, 250:13, 252:23
Moore [2] - 2:7, 254:20
moored [1] - 98:22
moral [1] - 138:7
moratorium [1] - 233:4
Moreover [1] - 104:16
moreover [1] - 137:23
MORIARTY [1] - 61:22
Moriarty [1] - 61:23
Morrissey [2] - 1:12, 54:13
Most [2] - 14:11, 203:9
most [42] - 2:15, 9:8, 30:6, 32:19, 35:24, 43:5, 46:20, 72:8, 76:22, 87:20, 100:15, 109:12, 110:9, 110:11, 115:15, 133:4, 136:19, 160:18, 161:21, 161:23, 165:23, 180:21, 181:12, 182:20, 188:3, 190:24, 193:2, 200:16, 201:3, 201:20, 206:5, 210:8, 210:9, 214:20, 222:12, 223:21, 224:4, 229:15, 236:17, 238:5, 242:18, 248:21
mostly [1] - 247:9
mother [1] - 249:19
motion [1] - 62:16

mountains [6] - 122:12, 122:13, 122:20, 123:14, 179:15
mountaintop [3] - 187:10, 204:11, 204:14
mounted [1] - 183:4
move [14] - 3:2, 54:21, 63:9, 83:2, 130:22, 164:8, 164:11, 169:21, 178:24, 179:9, 179:10, 180:6, 211:17
moved [5] - 16:7, 59:4, 69:16, 124:16, 229:23
movement [1] - 231:6
movie [1] - 84:17
moving [6] - 12:13, 41:14, 88:22, 199:10, 211:19, 243:22
MR [217] - 2:3, 4:2, 6:19, 10:11, 16:2, 20:22, 22:3, 22:5, 25:2, 27:18, 31:16, 33:7, 35:16, 35:19, 39:4, 42:6, 42:7, 44:3, 46:11, 46:16, 49:8, 49:10, 51:8, 51:12, 51:15, 51:17, 52:3, 52:5, 54:2, 54:6, 54:9, 54:11, 54:18, 56:9, 56:12, 59:16, 61:19, 61:22, 65:16, 67:21, 68:4, 69:20, 69:24, 70:4, 71:5, 71:7, 73:3, 74:23, 75:2, 77:4, 79:7, 79:8, 80:23, 82:10, 82:11, 84:5, 84:7, 84:9, 84:11, 85:14, 85:16, 87:9, 87:11, 89:18, 89:19, 91:19, 91:24, 92:14, 94:17, 94:19, 96:13, 96:15, 98:4, 99:17, 101:6, 101:7, 103:14, 106:3, 108:6, 108:10, 110:15, 110:17, 110:19, 113:2, 114:23, 116:23, 117:4, 119:10, 119:12, 121:14, 123:21, 123:24, 126:2, 126:3, 126:10, 128:8, 128:14, 130:24, 131:2, 132:13, 133:20, 133:23, 135:6, 135:9,

137:13, 137:14,
137:17, 137:18,
139:23, 139:24,
141:19, 143:20,
143:23, 145:20,
145:22, 147:12,
147:14, 149:11,
149:16, 150:21,
151:5, 152:10, 153:7,
153:9, 155:7, 155:9,
158:2, 158:3, 159:22,
159:24, 161:5,
161:10, 163:5, 163:6,
165:8, 165:9, 167:9,
167:11, 169:13,
171:16, 171:19,
173:12, 175:14,
175:16, 175:18,
177:23, 177:24,
180:7, 182:5, 182:7,
182:11, 184:5,
186:13, 188:14,
188:16, 191:11,
191:13, 193:8,
195:17, 195:18,
197:23, 198:2,
199:11, 201:13,
203:22, 203:23,
205:14, 205:17,
207:22, 207:24,
209:20, 209:23,
210:2, 212:9, 212:11,
214:2, 214:5, 214:22,
214:24, 217:4,
218:21, 218:24,
220:15, 222:9, 223:9,
223:10, 225:12,
225:17, 227:6,
228:16, 228:18,
230:13, 230:14,
231:9, 231:11,
233:10, 233:14,
234:22, 235:2,
236:15, 236:16,
237:10, 237:19,
239:21, 239:23,
240:11, 240:13,
242:11, 242:15,
244:22, 247:7,
247:14, 247:18,
249:13, 250:13,
252:23, 254:14
MS [41] - 17:17, 21:2,
25:7, 27:22, 31:17,
39:13, 44:5, 54:22,
60:3, 63:16, 65:17,
67:24, 68:5, 69:22,
70:2, 73:5, 77:8, 81:3,
87:15, 98:8, 103:15,
106:8, 110:20, 113:3,

115:3, 117:2, 117:6,
121:15, 128:19,
141:20, 173:13,
175:15, 180:11,
184:7, 199:13,
209:21, 217:5,
218:22, 219:2, 227:8,
249:16
multigenerational
[1] - 184:11
multiple [1] - 48:19
multiplier [1] -
157:16
Municipal [1] -
242:21
municipal [1] - 45:4
MURPHY [3] - 21:2,
207:24, 209:21
Murphy [2] - 21:3,
208:2
museum [1] - 133:17
Museum [1] - 94:10
Muskeget [1] -
40:22
must [25] - 14:15,
32:7, 36:24, 48:5,
74:18, 88:21, 89:23,
107:17, 123:2,
123:17, 162:6,
162:23, 164:8, 167:6,
169:5, 206:7, 206:8,
206:18, 206:21,
206:23, 220:5,
231:15, 236:24,
243:5, 247:13
mythically [1] -
235:22

N

name [92] - 2:6, 4:21,
5:2, 17:17, 21:2, 22:5,
25:7, 27:23, 29:19,
29:21, 31:17, 35:20,
39:13, 39:16, 42:8,
44:5, 46:16, 49:10,
51:12, 54:5, 56:12,
61:23, 63:19, 65:17,
70:6, 71:7, 73:7, 75:2,
77:10, 77:22, 79:8,
81:4, 82:11, 85:19,
87:15, 89:20, 92:15,
94:19, 96:15, 98:8,
101:7, 103:15, 106:9,
108:10, 110:21,
113:3, 115:3, 116:3,
117:6, 118:7, 119:12,
121:15, 124:3,
126:12, 135:9,
137:18, 139:24,

145:22, 149:16,
150:24, 151:6,
151:18, 152:11,
153:9, 161:10, 163:6,
165:9, 167:11,
173:13, 175:18,
177:24, 180:11,
184:7, 186:4, 186:13,
188:17, 191:13,
198:3, 199:13,
205:17, 207:24,
210:2, 214:5, 217:5,
222:9, 225:8, 227:8,
239:24, 242:15,
247:20, 249:16,
250:15
name's [4] - 68:2,
155:10, 159:24,
244:24
names [1] - 54:10
nanotechnology [1]
- 146:15
Nantucket [117] -
3:5, 10:21, 17:10,
20:21, 21:21, 22:18,
25:14, 29:5, 31:5,
31:7, 33:16, 33:17,
34:6, 34:8, 35:13,
35:22, 36:9, 36:20,
37:21, 38:18, 40:20,
40:24, 41:9, 43:4,
47:10, 48:12, 49:5,
49:9, 49:11, 50:23,
58:17, 62:16, 63:21,
64:2, 64:9, 65:2, 65:4,
65:10, 65:14, 65:19,
66:11, 66:23, 67:7,
75:7, 75:22, 76:21,
78:21, 79:5, 80:16,
80:21, 82:17, 96:17,
97:2, 97:6, 98:11,
98:17, 98:22, 98:23,
101:12, 102:8,
103:17, 103:19,
104:21, 105:7,
118:12, 119:2,
122:24, 124:6,
126:16, 132:9,
132:21, 133:2, 133:5,
134:9, 135:12,
137:21, 138:3,
139:15, 139:18,
151:9, 151:12,
151:16, 156:10,
159:18, 167:15,
168:8, 168:15,
168:19, 169:2,
169:20, 170:11,
178:5, 184:13, 185:2,
185:15, 185:18,

185:22, 186:15,
188:11, 189:18,
195:2, 199:17,
201:15, 202:24,
203:21, 204:2, 205:3,
210:6, 227:9, 227:13,
228:3, 228:10,
228:23, 233:16,
234:10, 246:8, 247:5
Narragansett [1] -
99:20
narrow [1] - 11:10
Natale [3] - 16:20,
25:6, 25:9
Nathaniel [1] - 82:12
nation [11] - 27:8,
87:21, 151:21,
160:22, 163:2, 185:6,
186:6, 186:10, 189:5,
223:19, 223:21
Nation [2] - 29:17,
235:4
nation's [5] - 81:14,
223:3, 231:2, 244:2,
246:24
national [20] - 24:5,
33:19, 35:14, 52:23,
62:12, 64:9, 81:6,
86:17, 86:19, 86:21,
139:22, 168:5,
168:12, 189:12,
198:17, 222:17,
223:7, 223:14,
224:12, 227:18
National [8] - 33:19,
53:20, 73:19, 82:13,
84:17, 130:13,
157:14, 227:21
nationalized [1] -
26:20
nationally [2] -
162:23, 253:21
nations [4] - 29:20,
126:24, 223:4, 223:6
native [3] - 57:5,
144:20, 163:23
Natural [1] - 155:12
natural [33] - 18:21,
19:5, 19:23, 40:8,
42:24, 43:15, 56:3,
62:10, 66:21, 68:15,
78:23, 98:23, 100:19,
105:19, 111:14,
127:10, 139:7, 145:6,
151:18, 152:2,
158:16, 168:6,
184:13, 184:17,
186:3, 186:7, 187:8,
206:19, 208:20,
209:3, 210:7, 238:12,

241:17
natural-gas [1] -
111:14
natural-gas-fueled
[1] - 158:16
naturalists [1] -
130:2
nature [7] - 34:21,
35:15, 125:13,
129:14, 161:14,
174:2, 201:12
navigate [3] - 79:20,
79:23, 138:12
navigation [6] -
36:16, 45:10, 97:12,
178:10, 229:14,
229:19
navigational [3] -
38:23, 101:24, 174:20
navigationally [1] -
36:21
Neal [2] - 51:9, 51:12
near [6] - 24:15,
37:13, 85:7, 141:9,
182:18, 226:9
nearly [4] - 23:21,
25:11, 104:18, 105:3
necessarily [2] -
92:8, 238:6
necessary [9] - 56:2,
107:12, 107:16,
130:21, 187:12,
195:5, 219:23, 221:18
need [85] - 4:9, 7:4,
8:16, 23:24, 24:9,
24:13, 24:18, 26:23,
27:6, 34:4, 34:6, 39:4,
44:21, 55:17, 55:19,
55:20, 55:21, 55:22,
55:23, 69:23, 69:24,
71:3, 78:17, 78:21,
78:22, 80:22, 84:5,
87:9, 87:12, 89:10,
89:16, 90:6, 99:3,
99:4, 100:20, 100:21,
106:3, 107:19, 114:7,
116:23, 119:10,
130:17, 131:13,
133:21, 134:11,
134:24, 144:15,
158:2, 161:22, 162:3,
173:6, 173:7, 186:8,
186:12, 189:8,
191:11, 192:12,
194:3, 195:8, 204:7,
204:23, 204:24,
206:13, 211:11,
217:22, 218:5, 223:9,
223:21, 223:23,
225:3, 225:12,

225:13, 225:22,
225:23, 227:16,
228:7, 228:12,
237:11, 240:3, 242:9,
246:15, 249:7, 251:21
needed [5] - 24:6,
26:21, 28:13, 58:19,
208:6
needs [23] - 6:13,
21:15, 27:2, 34:2,
68:21, 69:6, 70:19,
86:8, 87:13, 99:6,
99:14, 117:20,
148:18, 178:23,
179:19, 201:12,
205:12, 216:8,
216:24, 229:23, 242:8
negate [2] - 43:22,
167:4
negative [10] - 41:4,
42:17, 59:6, 69:2,
117:2, 119:6, 162:19,
190:19, 208:13,
246:11
negatively [2] -
32:11, 245:10
negatives [1] -
211:16
neglected [1] -
104:12
Negligible [1] - 14:3
negligible [3] -
14:13, 47:3, 166:9
neighbor [2] - 8:4,
54:19
neighborhoods [1] -
136:19
neighboring [1] -
40:20
neighbors [4] -
98:11, 98:15, 99:19,
185:5
Neil [1] - 101:7
NEPA [1] - 11:18
nephew [4] - 201:14,
202:20, 203:9, 203:19
Network [3] - 113:4,
198:6, 199:6
NETWORK [2] -
106:12, 107:22
network [3] - 106:16,
126:19, 198:9
never [9] - 121:20,
132:13, 133:6, 179:5,
183:5, 202:10,
204:17, 249:23, 252:8
new [33] - 24:7, 24:8,
24:10, 26:21, 26:22,
35:11, 47:8, 52:21,

61:5, 61:14, 86:4,
111:19, 111:21,
112:6, 114:19,
125:15, 129:16,
136:2, 136:3, 142:6,
162:12, 170:20,
171:4, 171:5, 181:20,
189:11, 199:3,
207:11, 232:21,
242:10, 246:16
New [25] - 32:19,
57:9, 57:13, 75:15,
91:9, 100:14, 101:13,
103:2, 111:24,
112:11, 117:12,
127:9, 131:15,
135:17, 137:19,
139:17, 174:3, 188:4,
198:21, 205:23,
206:18, 232:7, 236:2,
237:6, 249:9
Newport [1] - 182:22
news [4] - 78:15,
135:14, 193:17, 221:6
newspapers [1] -
130:11
next [14] - 15:4,
20:23, 39:5, 46:12,
55:11, 100:8, 100:20,
137:9, 145:21,
166:24, 199:12,
201:16, 232:11,
234:20
Next [9] - 10:8,
67:23, 132:17, 153:7,
159:22, 175:17,
177:23, 214:22,
228:16
nice [1] - 169:9
NICHOLS [1] - 31:17
Nichols [2] - 16:20,
31:18
NICKERSON [1] -
63:16
Nickerson [1] -
63:19
NICOL [4] - 67:24,
68:5, 69:22, 70:2
NICOL-HELM [2] -
69:22, 70:2
NICOL-HELMS [2] -
67:24, 68:5
Nicole [1] - 68:2
night [9] - 104:23,
132:3, 154:2, 160:24,
176:5, 224:24, 254:23
nights [5] - 153:15,
154:11, 160:21,
169:17, 225:2

NIMBY [3] - 65:22,
104:8, 201:10
NIMBYism [2] -
44:19, 93:17
nine [1] - 10:20
nitpick [1] - 123:13
nitrous [1] - 127:23
NO [1] - 99:19
no-action [3] - 12:20,
59:2, 90:16
no-brainer [2] - 87:2,
169:12
Nobel [1] - 234:18
noise [3] - 13:11,
116:19, 230:2
nominated [1] -
168:11
noncarbon [1] -
206:11
noncommercial [1] -
47:18
none [3] - 41:3,
103:3, 153:20
None [2] - 166:12,
216:15
nonissue [1] - 216:6
nonpoint [1] - 216:6
nonprofit [3] - 73:9,
94:22, 205:20
nonroutine [4] -
13:5, 13:12, 13:14,
13:17
normal [1] - 13:14
normally [1] - 109:18
Norse [1] - 138:12
Norsemen [2] -
102:12, 103:11
north [3] - 44:18,
96:6, 101:14
North [3] - 58:15,
138:13, 180:13
Northeast [7] -
89:21, 101:15,
108:12, 117:8,
121:24, 143:5, 165:11
Northeastern [3] -
165:16, 165:24,
240:15
not-in-my-back-
yard [1] - 111:23
note [6] - 53:2,
82:16, 164:17,
176:17, 192:19,
236:10
noted [1] - 153:20
Nothing [1] - 222:4
nothing [11] - 76:16,
76:18, 77:20, 97:22,
124:16, 135:17,

194:15, 232:20,
241:16, 250:9, 251:20
notice [2] - 103:4,
188:12
noticed [3] - 169:19,
225:20, 248:6
notifies [1] - 232:17
notwithstanding [1]
- 88:7
November [1] -
174:12
Nowhere [1] - 126:16
nowhere [1] - 218:13
NPR [1] - 78:15
NRDC [3] - 82:15,
82:21, 83:11
NSTAR [2] - 148:15,
235:18
Nuclear [1] - 245:16
nuclear [8] - 35:6,
99:24, 143:9, 143:16,
194:17, 207:2,
218:10, 239:14
number [9] - 37:16,
40:2, 93:3, 93:16,
112:6, 112:17, 183:8,
251:13, 252:24
numbers [7] - 19:16,
39:11, 154:16,
237:11, 237:15,
240:12, 247:16
Nysted [1] - 186:21

O

o'clock [1] - 91:20
O'DELL [1] - 117:6
O'Dell [1] - 117:7
object [1] - 130:12
objection [1] -
215:19
objections [1] -
216:16
objective [1] - 69:6
objectives [1] -
168:24
obligation [1] -
122:22
obscure [1] - 202:16
obsolete [1] - 9:3
obstacles [1] - 79:23
obstruction [3] -
50:8, 109:13, 194:16
obstructions [1] -
30:15
obtain [1] - 189:3
obtained [1] - 189:6
obtrusive [1] - 93:5
obvious [5] - 27:7,

48:21, 130:20,
134:21, 241:5
obviously [4] - 19:4,
92:19, 92:24, 100:4
occur [1] - 48:19
ocean [25] - 7:11,
7:16, 9:3, 11:14,
18:13, 18:23, 19:4,
24:12, 41:6, 64:13,
64:18, 64:23, 68:19,
78:8, 125:22, 134:20,
155:19, 165:4,
178:23, 191:7,
199:19, 208:23,
218:18, 220:9, 225:11
ocean's [1] - 36:4
oceanfront [1] -
68:17
oceanographic [1] -
18:22
Oceans [1] - 168:4
oceans [4] - 78:8,
173:20, 175:3, 175:10
odd [1] - 240:16
odious [1] - 244:12
OF [1] - 1:3
Off-Cape [1] - 103:23
offer [7] - 14:15,
36:22, 90:10, 169:5,
208:24, 235:24,
236:18
offered [1] - 236:4
offers [2] - 145:4,
173:22
Office [3] - 7:20,
124:20, 141:14
office [1] - 242:20
officer [6] - 28:8,
94:20, 96:16, 97:2,
165:10, 255:5
official [8] - 22:9,
44:14, 53:19, 56:10,
56:19, 59:17, 59:18,
59:19
officially [3] - 29:12,
214:17, 214:18
officials [16] - 4:16,
17:16, 48:6, 51:14,
105:3, 105:13,
135:15, 153:13,
153:19, 178:16,
178:17, 179:5, 217:8,
217:10, 219:11, 243:2
offline [1] - 158:17
offsetting [2] -
52:18, 52:20
offshoots [1] - 86:9
offshore [29] - 7:8,
7:17, 9:17, 10:19,

24:5, 26:19, 34:11, 60:14, 66:12, 72:17, 82:4, 124:9, 129:21, 134:22, 142:24, 175:6, 175:8, 182:20, 186:20, 196:20, 202:24, 207:9, 207:13, 210:20, 211:21, 219:7, 227:23, 233:6, 246:24

Offshore [4] - 134:14, 173:22, 219:9, 228:14

often [4] - 32:4, 210:8, 228:11, 246:2

Ohio [1] - 122:8

oil [66] - 7:8, 13:12, 35:6, 37:19, 41:14, 61:6, 61:17, 63:4, 66:2, 75:13, 76:11, 76:13, 76:17, 78:6, 86:17, 90:20, 105:19, 115:24, 116:2, 116:3, 116:7, 126:19, 126:21, 126:23, 127:3, 127:4, 127:9, 127:13, 127:19, 127:20, 128:7, 131:23, 134:15, 136:18, 140:3, 140:5, 140:10, 142:12, 143:8, 145:5, 150:7, 151:22, 159:13, 159:15, 159:19, 186:7, 187:7, 187:12, 187:14, 189:9, 190:12, 206:19, 213:8, 213:14, 218:10, 222:19, 223:2, 223:4, 223:6, 224:4, 229:4, 229:9, 236:18, 243:15, 248:7, 248:9

oil-burning [1] - 127:19

oil-exporting [2] - 223:4, 223:6

oil-fired [1] - 90:20

oil-producing [1] - 126:23

old [10] - 68:18, 113:13, 113:18, 113:22, 135:17, 151:13, 180:13, 222:10, 226:11, 245:2

oldest [1] - 102:10

Olenec [1] - 208:3

Oliver [1] - 239:24

OLIVIERI [1] - 231:11

Olivieri [1] - 231:11

Omar [1] - 126:13

omits [1] - 51:4

once [9] - 23:24, 68:10, 69:14, 80:2, 122:20, 149:21, 187:18, 195:10, 228:12

Once [1] - 122:15

One [15] - 2:16, 27:9, 67:22, 109:11, 110:15, 116:14, 121:6, 153:16, 178:13, 202:5, 204:14, 212:14, 236:10, 247:7, 251:9

one [90] - 2:19, 2:22, 3:10, 5:6, 16:7, 17:4, 17:6, 17:8, 18:9, 18:15, 19:22, 23:14, 30:6, 32:19, 32:22, 39:20, 41:10, 41:20, 41:21, 45:13, 52:10, 55:21, 70:23, 75:3, 79:16, 80:5, 84:13, 85:11, 87:20, 89:12, 89:17, 93:21, 94:3, 94:9, 100:12, 102:17, 106:11, 107:15, 109:3, 109:11, 109:15, 109:20, 113:12, 115:13, 118:8, 118:17, 118:22, 128:24, 132:16, 133:11, 134:24, 137:22, 138:17, 138:20, 139:2, 139:21, 148:3, 150:6, 152:2, 160:10, 160:13, 165:20, 166:18, 167:2, 167:3, 168:14, 181:24, 182:18, 186:7, 187:15, 187:21, 192:23, 204:12, 206:5, 210:5, 218:6, 219:10, 224:12, 231:23, 235:22, 248:6, 248:8, 251:4, 252:3, 252:20, 253:20, 254:9

one-hundredth [1] - 224:12

ones [3] - 142:3, 144:19, 166:11

ongoing [2] - 119:18, 126:5

online [2] - 8:12, 10:4

open [8] - 9:23,

52:21, 143:12, 157:2, 157:8, 172:8, 187:16, 225:10

Open [1] - 161:17

opening [1] - 81:21

operate [1] - 38:11

operated [1] - 60:14

operates [5] - 9:16, 57:3, 117:12, 231:19, 251:18

operating [3] - 37:15, 209:14, 235:20

operation [5] - 83:20, 140:22, 149:21, 167:3, 243:18

operational [2] - 166:6, 234:14

Operations [1] - 13:13

operations [9] - 9:10, 13:7, 13:15, 14:18, 14:24, 15:3, 15:7, 15:10, 198:20

operator [1] - 9:21

operators [1] - 47:13

opinion [6] - 62:2, 74:11, 158:12, 215:14, 215:20, 216:15

opinions [2] - 68:24, 180:2

opponents [6] - 72:5, 87:23, 89:8, 154:8, 246:16, 246:19

opportunities [3] - 53:4, 114:19, 227:22

opportunity [25] - 3:8, 24:24, 27:5, 35:23, 56:16, 61:10, 71:16, 73:21, 74:19, 77:9, 82:3, 82:8, 92:15, 93:2, 97:24, 110:24, 147:5, 161:15, 183:14, 193:11, 204:3, 225:10, 227:11, 230:24, 231:3

oppose [7] - 31:13, 110:18, 160:11, 161:3, 167:15, 189:14, 222:6

opposed [11] - 39:20, 39:24, 44:12, 46:23, 104:21, 104:22, 105:2, 133:9, 151:15, 152:8, 203:9

opposes [1] - 31:8

Opposition [2] - 29:4, 247:12

opposition [10] - 33:11, 49:15, 62:3, 65:21, 66:19, 104:8, 105:12, 131:9, 153:23, 178:18

optimal [1] - 212:23

optimistic [1] - 196:22

optimum [1] - 140:15

option [3] - 37:5, 38:16, 211:17

oral [1] - 171:24

orange [1] - 12:18

Order [1] - 196:5

order [6] - 12:23, 24:3, 26:18, 64:16, 148:10, 152:6

ordered [1] - 186:24

orders [1] - 39:8

ordinance [1] - 44:24

organic [1] - 127:24

organization [18] - 29:9, 57:2, 73:9, 77:13, 77:16, 77:17, 78:3, 94:22, 113:5, 117:10, 117:11, 126:17, 127:6, 136:11, 141:24, 173:18, 198:15, 205:21

Organization [1] - 208:15

organization's [1] - 126:24

organizational [1] - 207:14

organizations [2] - 77:15, 78:2

organized [1] - 139:7

originally [1] - 175:19

ornament [1] - 244:19

Oscars [1] - 132:15

OSMERS [2] - 42:7, 56:12

Osmers [5] - 39:12, 42:8, 46:13, 56:10, 56:13

Otis [3] - 48:22, 228:5, 229:24

ought [2] - 33:17, 245:12

ourselves [4] - 161:16, 161:18, 194:8, 248:23

outer [2] - 7:15, 165:22

output [1] - 147:20

outrage [1] - 164:18

outside [4] - 46:3, 65:14, 134:7, 149:19

outweigh [6] - 89:15, 116:22, 147:2, 180:5, 208:8, 209:21

overall [3] - 148:17, 162:20, 224:14

overdevelopment [1] - 68:10

overdue [2] - 24:7, 219:10

overfishing [1] - 173:20

overly [2] - 127:17, 166:13

oversight [5] - 124:8, 124:10, 124:19, 125:16, 125:22

overstated [2] - 109:7, 197:19

overwhelming [5] - 21:7, 104:24, 154:24, 176:15, 200:23

overwhelmingly [2] - 166:5, 228:20

owe [1] - 127:15

own [15] - 76:11, 119:24, 122:5, 130:13, 139:14, 150:10, 160:14, 164:17, 192:4, 203:14, 222:7, 226:6, 241:8, 241:16, 244:15

owned [2] - 42:21, 72:22

owners [2] - 96:20, 118:7

ownership [1] - 167:19

oxides [1] - 127:23

oyster [1] - 57:7

P

p.m [2] - 2:2, 254:24

pace [1] - 100:13

Page [1] - 171:9

page [1] - 191:17

Pager [1] - 214:6

pages [2] - 71:18, 216:17

Pages [1] - 1:1

paid [4] - 28:13, 136:20, 169:24, 236:21

painstaking [1] - 43:23

paintings [2] - 94:11,

133:16
palpable [1] - 230:22
panel [1] - 7:18
Panel [1] - 193:20
paramilitaries [1] - 242:6
parenthetically [1] - 199:4
parents [2] - 114:12, 238:6
park [5] - 19:13, 35:14, 75:12, 134:9, 162:13
PARKER [1] - 65:17
Parker [1] - 65:18
parks [3] - 33:20, 186:20, 186:23
part [17] - 68:19, 91:16, 135:13, 136:18, 138:20, 139:15, 139:18, 152:5, 156:23, 169:4, 169:5, 216:20, 223:24, 231:12, 238:12, 238:15, 250:3
Part [1] - 47:19
part-time [2] - 136:18, 231:12
participate [1] - 3:12
particular [5] - 34:22, 138:4, 138:14, 178:21, 183:16
particularly [5] - 64:24, 90:19, 153:17, 178:14, 178:16
Partnership [2] - 77:12, 79:11
parts [1] - 206:9
pass [1] - 167:23
passed [6] - 37:22, 44:23, 112:7, 181:17, 248:10
passengers [7] - 36:7, 37:3, 37:10, 47:22, 76:8, 97:15, 97:16
passes [1] - 8:22
passing [2] - 183:6, 183:9
passion [1] - 253:14
passionate [2] - 72:4, 96:18
past [20] - 22:15, 59:6, 65:9, 71:22, 97:20, 103:18, 104:18, 105:2, 142:10, 142:11, 143:15, 152:23, 154:20, 170:13,

177:15, 189:2, 191:20, 221:12, 248:4, 248:12
pastoral [1] - 94:14
Pat [4] - 16:20, 25:3, 25:6, 25:8
patent [1] - 146:14
patented [1] - 190:10
path [2] - 243:9, 243:21
pathway [1] - 69:15
patiently [2] - 153:13, 182:9
Patrick [4] - 74:3, 100:11, 136:6, 165:18
pattern [1] - 19:21
Paul [1] - 145:23
pause [1] - 67:11
Pause [1] - 214:19
pavement [1] - 165:7
PAWA [1] - 163:6
Pawa [1] - 163:6
pay [7] - 45:6, 67:12, 86:20, 170:8, 171:7, 226:7
payments [1] - 141:11
pays [1] - 100:16
peace [1] - 23:17
peak [5] - 126:21, 158:13, 159:3, 159:4, 187:5
peak-oil [1] - 126:21
peak-use [1] - 158:13
pearl [1] - 62:14
peasants [1] - 241:15
PECKHAM [2] - 135:9, 137:14
Peckham [1] - 135:10
peer [1] - 73:18
peer-reviewed [1] - 73:18
Pelican [1] - 227:20
pending [1] - 112:7
penny [1] - 188:2
people [83] - 2:9, 2:17, 4:2, 5:24, 6:23, 16:17, 19:13, 21:20, 23:14, 24:15, 26:16, 29:24, 39:7, 45:23, 59:24, 64:3, 74:14, 75:6, 77:3, 77:22, 77:23, 78:9, 78:22, 79:4, 85:8, 86:19, 87:5, 92:3, 92:6, 93:16, 94:13, 99:23,

104:19, 116:15, 122:7, 123:7, 125:20, 129:7, 129:20, 130:15, 131:7, 133:12, 144:18, 145:13, 154:12, 154:14, 154:22, 162:14, 169:9, 177:3, 177:5, 182:20, 183:17, 189:3, 189:7, 189:13, 189:19, 190:14, 190:22, 191:5, 191:8, 202:7, 202:12, 209:6, 210:5, 216:4, 218:20, 219:22, 221:9, 226:6, 226:18, 226:21, 226:23, 227:2, 229:5, 233:2, 237:13, 238:17, 239:15, 240:18, 241:15, 247:11, 250:5
People [7] - 19:12, 29:17, 29:18, 30:5, 60:16, 68:18, 201:11
per [12] - 83:9, 147:24, 148:22, 170:6, 170:16, 171:8, 171:12, 196:17, 221:15, 231:22, 231:23, 237:7
percent [36] - 9:7, 21:8, 58:9, 74:9, 76:13, 89:24, 91:7, 91:8, 100:7, 104:5, 104:20, 104:22, 104:24, 112:3, 112:12, 118:23, 130:7, 131:15, 141:8, 143:7, 148:12, 152:8, 159:10, 170:16, 170:20, 170:22, 187:3, 196:24, 197:12, 197:13, 224:12, 227:4, 232:23, 239:16, 251:18, 251:19
perfection [1] - 62:15
perfectly [2] - 76:24, 92:8
performance [1] - 11:19
performed [1] - 49:19
perhaps [3] - 129:14, 165:23, 248:21
perilous [1] - 249:4
period [7] - 9:23, 121:12, 126:4, 150:5,

158:21, 212:19, 254:2
periods [3] - 50:22, 158:14, 213:4
permission [1] - 51:20
permit [6] - 83:3, 83:13, 112:23, 167:20, 174:23, 179:17
permits [3] - 93:20, 132:20, 156:6
permitting [3] - 98:20, 108:16, 119:22
Perry [1] - 33:6
perseverance [1] - 247:20
person [3] - 10:5, 152:21, 153:21
personal [4] - 82:16, 82:20, 146:18, 253:11
Personally [1] - 99:11
perspective [3] - 138:22, 158:9, 176:20
perspectives [1] - 81:13
persuade [2] - 253:9, 253:17
pest [1] - 114:4
pest-infested [1] - 114:4
Peter [1] - 230:14
Peterson [7] - 39:12, 46:13, 46:15, 49:8, 49:13, 51:7, 51:10
petty [1] - 203:17
Ph.D [1] - 155:10
phase [1] - 185:21
phased [1] - 12:5
phases [3] - 13:8, 14:18, 14:24
PHILIP [1] - 237:19
philosopher [1] - 139:2
phone [1] - 156:12
photo [1] - 75:20
photovoltaics [1] - 55:20
physical [1] - 208:17
physics [2] - 218:3, 218:5
Pick [1] - 153:5
picture [4] - 95:15, 96:9, 123:18, 123:19
pictures [1] - 253:12
pie [2] - 23:16, 26:17
piece [2] - 23:15, 26:17
piecemeal [1] -

64:19
pile [1] - 204:16
Piledrivers [2] - 247:21, 249:9
piles [1] - 60:21
Pilgrim [1] - 99:24
pilot [3] - 46:18, 50:3, 97:4
pilots [1] - 47:12
pipeline [1] - 158:17
pipng [1] - 120:24
place [26] - 2:22, 18:7, 22:21, 24:13, 25:17, 34:2, 34:9, 69:14, 72:22, 76:20, 85:4, 88:8, 98:14, 117:13, 134:12, 135:3, 138:20, 139:13, 139:20, 164:23, 182:12, 190:24, 194:11, 210:9, 218:6, 233:3
placed [1] - 46:2
Placement [1] - 108:14
placement [3] - 31:9, 36:9, 45:2
places [10] - 19:23, 40:3, 79:4, 84:14, 101:19, 116:13, 116:14, 138:14, 164:14, 250:2
plaguing [1] - 41:5
plan [6] - 121:8, 132:7, 178:24, 179:2, 207:14, 213:12
planet [14] - 20:3, 81:19, 91:14, 95:16, 95:19, 201:21, 203:14, 215:4, 220:2, 222:16, 223:19, 231:4, 234:16, 251:15
planetary [2] - 152:21, 152:23
plankton [2] - 43:9, 43:10
planned [2] - 47:8, 234:13
planning [3] - 124:19, 152:13, 234:14
plans [5] - 9:13, 9:15, 22:18, 25:13, 64:20
plant [23] - 35:3, 35:5, 35:8, 43:20, 66:16, 111:21, 113:19, 158:6, 159:16, 167:3,

169:11, 171:4,
183:13, 183:19,
184:17, 186:7,
213:16, 218:7,
236:19, 239:9,
239:15, 245:23,
249:12
plants [16] - 43:9,
90:21, 111:19,
113:18, 142:11,
179:17, 186:5,
198:21, 209:11,
219:8, 236:18,
238:11, 239:18,
245:15, 245:16,
245:17
Plastics [1] - 246:2
plate [1] - 161:19
platform [1] - 145:9
platforms [3] - 35:8,
134:14, 134:17
player [1] - 194:10
plea [1] - 63:12
plead [1] - 240:14
pleased [2] - 54:24,
121:7
pleasing [1] - 244:20
pleasure [1] - 211:4
plenty [1] - 218:20
plight [4] - 177:19,
177:20, 240:17
plover [1] - 120:24
plow [1] - 152:5
plucked [1] - 236:20
plug [1] - 152:19
plummet [1] - 137:3
plus [2] - 30:23,
136:21
Point [3] - 164:13,
183:12, 183:16
point [16] - 6:16,
10:23, 26:7, 36:22,
37:12, 43:7, 139:5,
147:18, 150:6,
152:19, 163:18,
181:13, 212:4, 213:5,
217:14, 220:9
pointed [2] - 89:8,
101:16
points [4] - 52:16,
154:10, 163:15,
163:16
poison [1] - 241:19
poisoning [1] -
122:19
polar [2] - 105:20,
220:13
poles [1] - 93:6
Polestar [1] - 112:14

police [1] - 192:11
policies [2] - 73:13,
114:2
Policy [3] - 7:13,
73:20, 208:4
policy [13] - 24:6,
24:18, 24:23, 26:20,
27:2, 27:4, 111:10,
119:20, 157:3,
162:18, 168:24,
204:5, 223:5
policy-relevant [1] -
157:3
political [1] - 168:17
politically [1] - 249:5
politicians [4] - 77:2,
127:2, 195:15, 234:7
Politicians [1] - 32:4
politics [2] - 19:16,
180:2
poll [5] - 104:4,
104:6, 104:15,
104:16, 176:15
polls [1] - 66:6
pollutants [2] - 83:6,
128:2
polluters [1] - 164:3
polluting [3] -
122:18, 131:21,
198:20
pollution [9] - 90:2,
90:20, 142:13,
143:16, 162:22,
179:20, 181:2,
185:17, 231:18
Pollution [1] - 61:8
Pompanoosuc [1] -
144:11
ponds [1] - 43:4
poor [1] - 50:11
poorer [1] - 141:8
popular [1] - 158:12
population [3] -
28:19, 156:5, 209:2
population's [1] -
216:3
populations [2] -
58:14, 116:18
port [4] - 35:20, 36:2,
118:10, 185:9
portfolio [1] - 52:11
portion [1] - 216:2
portrayed [2] -
65:23, 66:3
pose [3] - 72:12,
109:6, 120:3
posed [1] - 121:4
posing [1] - 219:15
position [9] - 23:21,

27:12, 28:7, 31:13,
81:15, 172:6, 214:17,
214:18, 232:17
positive [12] - 25:19,
60:7, 60:9, 60:13,
60:19, 69:2, 106:24,
112:21, 147:9,
165:23, 166:5, 190:19
positively [1] - 99:13
positives [1] -
162:20
possesses [1] - 64:4
possibility [5] -
129:4, 144:20,
161:13, 189:17,
212:15
possible [12] - 3:20,
4:22, 13:4, 49:5, 84:8,
90:8, 98:21, 112:24,
118:16, 156:18,
196:7, 217:23
possibly [5] - 13:6,
20:8, 21:17, 24:12,
135:24
postal [1] - 10:7
posted [1] - 8:12
posterity [1] - 68:15
postponed [1] -
219:9
potential [10] -
36:15, 48:21, 49:2,
55:18, 81:19, 82:5,
83:4, 83:18, 230:21,
238:13
potentially [1] - 65:3
pounds [1] - 122:10
Power [16] - 73:8,
94:21, 128:20,
152:16, 158:5,
162:14, 163:7,
163:10, 169:18,
175:22, 176:8, 178:3,
186:14, 188:22,
210:19, 235:3
power [94] - 27:9,
28:20, 35:3, 35:5,
35:7, 39:20, 41:11,
61:4, 67:14, 82:5,
88:5, 88:14, 90:20,
99:24, 100:2, 100:7,
100:17, 107:5,
107:18, 108:2,
111:19, 122:2,
131:14, 142:9,
142:16, 143:13,
143:16, 147:20,
147:22, 148:12,
148:14, 148:23,
149:5, 159:18,
162:16, 166:21,

167:3, 169:11,
170:18, 171:4,
184:17, 186:4, 186:7,
187:4, 187:5, 188:20,
189:4, 189:8, 189:11,
190:9, 190:13,
190:14, 190:18,
191:2, 191:4, 194:17,
202:21, 203:6,
209:11, 210:11,
210:21, 210:23,
218:7, 218:10,
218:12, 219:8,
232:12, 232:20,
232:22, 233:2,
235:16, 235:17,
235:19, 235:24,
236:4, 236:8, 238:10,
238:11, 238:18,
238:24, 239:8,
239:12, 239:17,
243:12, 245:9,
245:15, 245:16,
245:17, 245:19,
249:12, 251:14,
252:5, 252:6, 252:15
power's [1] - 245:8
power-purchase [1] -
235:17
powered [1] - 232:9
powerful [1] - 35:9
powerhouse [1] -
93:14
powerhouses [1] -
94:2
powers [2] - 63:11,
149:19
practical [1] - 243:8
practice [1] - 30:19
Practice [1] - 208:4
practices [3] - 30:8,
30:12, 173:21
practicing [1] - 95:4
pray [1] - 250:7
prayers [1] - 30:10
pre [1] - 189:21
pre-existing [1] -
189:21
precedent [2] -
83:20, 143:4
precious [1] - 234:11
preclude [1] - 138:19
predicated [1] -
147:17
predicts [1] - 197:16
predominant [1] -
168:22
preferable [1] - 89:7
preliminary [1] -

119:23
prepare [2] - 5:14,
191:23
prepared [1] - 5:2
Present [1] - 125:10
present [5] - 22:7,
45:21, 120:7, 155:22,
167:16
presentation [2] -
17:16, 82:13
presented [3] - 65:7,
200:16, 253:9
presenting [1] -
82:12
Presently [1] -
131:14
presently [4] - 40:5,
40:12, 41:7, 140:3
preservation [8] -
18:7, 20:20, 28:8,
34:6, 42:20, 191:6,
227:18, 227:21
preserve [9] - 20:18,
35:13, 35:14, 42:23,
42:24, 43:24, 84:23,
114:13, 191:5
preserved [2] -
34:23, 85:8
president [8] - 71:8,
79:10, 144:3, 144:4,
158:5, 178:3, 203:24,
205:18
President [1] - 84:23
Presidential [1] -
196:5
presidents [1] -
106:11
pressed [1] - 79:23
pressing [1] - 201:18
pressures [1] - 85:5
presumed [3] - 47:7,
50:15, 76:10
presumed-hazard
[1] - 50:15
presumption [1] -
174:9
pretty [4] - 215:9,
218:12, 220:11, 230:3
prevail [1] - 250:10
previous [3] - 97:8,
154:9, 154:11
price [13] - 78:16,
88:6, 88:12, 88:14,
170:8, 170:9, 190:14,
235:23, 236:6, 236:7,
236:21, 248:7, 248:9
prices [4] - 88:17,
170:12, 174:6, 222:23
pricing [1] - 140:10

pride [1] - 161:3
Pride [1] - 118:9
primarily [4] - 118:12, 124:13, 178:9, 189:15
primary [2] - 135:20, 139:6
prime [2] - 118:15, 177:15
principal [1] - 87:22
principles [2] - 64:20, 244:19
pristine [5] - 62:10, 151:18, 209:4, 227:12, 227:19
private [7] - 45:24, 46:5, 46:18, 66:10, 166:20, 187:23, 226:24
privilege [2] - 73:5, 122:6
privileged [2] - 121:18, 154:20
Prize [1] - 234:18
pro [3] - 23:16, 142:4, 145:13
pro-Cape [1] - 142:4
pro-people [1] - 145:13
pro-wind [1] - 23:16
probability [1] - 161:20
probable [1] - 103:11
problem [19] - 18:9, 18:11, 102:24, 106:20, 106:21, 115:10, 115:12, 120:8, 164:8, 169:5, 219:15, 222:15, 223:17, 223:18, 229:18, 229:20, 229:21, 229:22, 230:6
problematic [1] - 45:13
Problems [1] - 48:18
problems [5] - 19:13, 187:21, 204:10, 204:13, 229:16
procedure [2] - 24:8, 26:22
proceed [4] - 64:21, 98:7, 123:23, 162:14
proceedings [2] - 255:6, 255:8
PROCEEDINGS [1] - 2:2
process [18] - 3:7, 3:18, 7:24, 8:18, 24:4, 26:19, 27:16, 28:15,

65:13, 88:8, 163:13, 172:10, 172:13, 173:11, 179:13, 204:8, 246:7
proclaiming [1] - 23:17
produce [10] - 13:2, 113:23, 127:20, 157:19, 179:18, 180:24, 187:5, 212:24, 240:5, 248:17
produced [3] - 170:14, 180:20, 180:22
producers [1] - 24:14
produces [1] - 33:21
producing [6] - 13:3, 13:20, 126:23, 158:24, 159:4, 210:15
product [1] - 108:15
production [11] - 7:17, 21:15, 24:2, 127:11, 165:22, 181:21, 182:2, 187:6, 187:24, 219:18, 231:8
productive [1] - 110:12
productively [1] - 3:20
products [1] - 86:14
profession [1] - 221:10
professional [2] - 82:19, 158:4
professionals [1] - 206:2
professor [1] - 139:5
profit [2] - 46:6, 126:19
profits [4] - 108:16, 127:9, 127:14, 211:19
profligate [1] - 193:3
profound [2] - 137:22, 175:9
program [4] - 7:19, 28:5, 63:6, 198:5
programs [3] - 206:10, 206:14, 206:21
Programs [1] - 7:20
PROJECT [1] - 1:5
project [254] - 7:21, 7:23, 8:21, 9:14, 10:9, 10:15, 10:17, 10:22, 14:12, 20:7, 21:7, 21:13, 22:17, 22:23, 23:2, 23:8, 23:22, 24:19, 24:21, 24:23,

25:13, 25:18, 25:22, 26:13, 26:24, 27:3, 27:15, 28:22, 32:16, 32:19, 32:21, 33:20, 33:23, 34:2, 34:9, 34:20, 35:13, 40:6, 40:21, 41:3, 41:18, 41:24, 42:14, 44:12, 44:15, 44:17, 45:5, 45:9, 45:16, 46:3, 46:24, 47:4, 47:6, 49:6, 49:16, 50:16, 52:2, 52:17, 53:3, 53:8, 53:12, 56:17, 57:17, 59:4, 60:12, 61:13, 64:22, 65:22, 65:24, 66:4, 66:13, 67:5, 67:8, 67:12, 67:18, 70:9, 70:16, 70:20, 70:24, 71:10, 71:21, 71:24, 72:6, 73:16, 73:21, 74:5, 74:16, 75:14, 75:22, 76:4, 76:16, 77:18, 77:19, 78:12, 78:13, 78:18, 79:17, 80:10, 80:21, 81:9, 81:19, 81:23, 82:18, 82:22, 83:3, 83:6, 83:19, 83:21, 84:8, 85:23, 86:5, 86:9, 87:4, 88:3, 88:13, 88:14, 88:24, 89:8, 90:12, 91:2, 91:15, 93:20, 97:10, 97:20, 99:11, 100:24, 101:2, 101:3, 103:22, 104:2, 105:6, 108:14, 108:20, 110:9, 110:10, 117:19, 117:23, 118:4, 118:17, 120:3, 121:3, 121:4, 124:11, 124:12, 124:20, 125:11, 125:14, 126:4, 128:13, 137:2, 137:8, 137:10, 140:4, 140:14, 142:21, 144:8, 145:13, 145:16, 146:3, 146:21, 147:4, 147:9, 151:24, 154:22, 155:16, 157:7, 157:22, 160:6, 161:4, 161:12, 167:15, 169:23, 172:18, 173:17, 174:15, 174:16, 174:21, 174:23, 176:3, 179:9, 179:14, 180:5, 181:14, 181:17,

182:4, 184:24, 185:14, 185:20, 187:13, 187:23, 188:6, 189:14, 192:6, 194:6, 194:13, 196:4, 196:13, 196:24, 197:11, 197:21, 198:16, 198:18, 198:24, 199:5, 199:10, 199:24, 200:2, 200:4, 200:6, 205:7, 205:11, 206:4, 207:4, 207:21, 209:9, 209:16, 209:18, 212:22, 213:24, 215:16, 216:24, 217:13, 217:19, 219:5, 219:13, 220:5, 222:7, 224:9, 224:11, 228:21, 230:24, 231:16, 233:23, 234:3, 234:13, 239:4, 240:2, 243:6, 244:4, 244:7, 245:7, 246:17, 246:22, 247:3, 247:12, 247:13, 247:24, 248:12, 248:13, 249:18, 250:8
Project [3] - 98:19, 99:16, 187:22
project's [3] - 26:3, 76:5, 87:23
projected [2] - 32:24, 91:8
projects [21] - 9:12, 24:5, 26:20, 27:14, 40:13, 45:14, 45:18, 73:13, 89:16, 90:7, 90:14, 91:12, 143:14, 165:20, 173:7, 174:10, 175:6, 181:23, 191:21, 214:13, 219:10
proliferation [1] - 210:13
prominent [1] - 81:7
promise [1] - 89:12
promises [2] - 23:19, 24:22
promising [2] - 87:20, 136:2
promote [3] - 6:12, 198:24, 205:22
promoting [3] - 23:2, 23:8, 126:17
promptly [1] - 140:23
proof [1] - 46:7
propaganda [2] - 128:6, 250:20

propeller [1] - 30:24
proper [1] - 219:24
properly [1] - 49:3
properties [1] - 200:8
property [10] - 94:6, 116:19, 155:19, 167:19, 167:22, 197:8, 197:11, 197:12, 197:14, 221:20
Property [1] - 145:2
Proponents [1] - 23:4
proposal [18] - 28:16, 32:8, 52:12, 97:22, 106:16, 106:23, 107:4, 107:15, 107:24, 115:6, 115:18, 116:12, 151:15, 152:8, 166:3, 196:10, 208:8, 233:4
Proposal [1] - 29:4
proposals [1] - 233:5
propose [5] - 41:23, 102:7, 195:13, 196:6, 231:15
proposed [39] - 11:22, 30:21, 32:12, 32:14, 37:3, 45:14, 45:16, 45:18, 46:2, 51:5, 78:13, 82:22, 97:10, 97:20, 103:22, 111:22, 117:19, 117:23, 124:17, 134:4, 134:11, 134:17, 140:5, 140:14, 140:20, 142:24, 143:3, 164:24, 165:24, 170:11, 171:11, 181:23, 184:24, 191:21, 192:2, 192:6, 196:19, 199:5, 212:6
prospect [1] - 136:2
prostitution [1] - 135:16
Protect [7] - 63:21, 65:19, 103:17, 124:5, 126:16, 169:20, 203:24
protect [9] - 19:11, 20:7, 83:14, 83:24, 125:22, 137:8, 168:5, 173:19, 180:15
protected [4] - 62:13, 64:15, 164:6, 201:12

<p>protecting [2] - 175:3, 199:19</p> <p>protection [6] - 9:10, 18:24, 42:2, 56:3, 64:17, 169:2</p> <p>protector [1] - 56:21</p> <p>protein [1] - 78:23</p> <p>protest [1] - 244:11</p> <p>protesting [1] - 99:23</p> <p>proud [6] - 74:2, 75:3, 167:12, 185:4, 219:12, 237:21</p> <p>proudly [1] - 124:4</p> <p>prove [1] - 25:23</p> <p>proven [5] - 99:8, 147:5, 190:11, 224:4, 244:20</p> <p>proves [3] - 25:19, 129:18, 140:14</p> <p>provide [15] - 38:17, 53:3, 59:21, 61:10, 61:13, 77:24, 78:9, 88:16, 93:9, 99:5, 120:16, 125:21, 185:4, 207:8, 248:15</p> <p>provided [1] - 99:8</p> <p>Providence [1] - 100:23</p> <p>provider [1] - 97:3</p> <p>provides [1] - 8:19</p> <p>providing [4] - 62:17, 231:17, 232:12, 232:22</p> <p>proximity [3] - 15:4, 36:10, 189:20</p> <p>prudent [1] - 32:21</p> <p>prudently [1] - 137:15</p> <p>public [46] - 4:16, 8:24, 15:15, 17:15, 22:19, 23:3, 24:18, 24:23, 25:15, 25:23, 27:2, 27:4, 31:23, 32:2, 38:10, 45:20, 46:5, 46:8, 51:14, 64:8, 71:24, 74:11, 74:15, 104:20, 105:3, 111:10, 121:11, 121:12, 135:15, 175:24, 176:21, 177:13, 177:21, 180:15, 181:9, 181:19, 189:2, 189:6, 189:18, 191:5, 192:24, 204:4, 217:8, 217:10, 242:24, 243:4</p> <p>Public [4] - 1:9, 181:16, 183:15,</p>	<p>228:12</p> <p>public-comment [1] - 121:12</p> <p>public-doctrine [1] - 45:20</p> <p>public-interest [1] - 74:15</p> <p>public-opinion [1] - 74:11</p> <p>pump [2] - 183:24, 223:12</p> <p>pumped [1] - 159:9</p> <p>punish [1] - 192:22</p> <p>purchase [2] - 118:23, 235:17</p> <p>purchaser [1] - 166:20</p> <p>purely [1] - 244:18</p> <p>purport [1] - 44:10</p> <p>purpose [4] - 7:24, 215:10, 218:14, 220:4</p> <p>purposely [1] - 241:18</p> <p>purposes [1] - 11:18</p> <p>pursue [1] - 89:16</p> <p>pursued [1] - 41:7</p> <p>pursuits [1] - 168:22</p> <p>push [2] - 222:4, 231:2</p> <p>pushing [1] - 25:22</p> <p>put [12] - 8:5, 41:12, 79:24, 84:14, 126:6, 161:2, 182:2, 223:22, 225:22, 227:3, 245:5, 246:5</p> <p>puts [1] - 252:4</p> <p>putting [1] - 12:6</p> <p>Putting [1] - 134:8</p>	<p>169:21, 203:18</p> <p>quiet [1] - 186:22</p> <p>quietly [1] - 160:24</p> <p>quite [5] - 2:22, 25:24, 103:20, 177:15, 248:11</p> <p>Quitsa [1] - 16:19</p> <p>quo [1] - 128:11</p> <p>quote [7] - 200:3, 200:8, 200:11, 200:22, 201:4, 228:11</p> <p>quoted [1] - 150:3</p>	<p>reaches [1] - 236:5</p> <p>reaching [2] - 30:24, 47:24</p> <p>react [1] - 140:23</p> <p>read [16] - 28:24, 42:8, 49:12, 51:21, 53:13, 71:23, 96:23, 118:5, 153:22, 153:24, 166:4, 166:7, 183:14, 184:10, 193:17, 214:16</p> <p>Read [1] - 54:9</p> <p>reading [3] - 192:13, 208:2, 212:5</p> <p>ready [8] - 5:16, 17:14, 19:18, 91:24, 92:12, 114:12, 182:2, 182:7</p> <p>Real [1] - 131:11</p> <p>real [11] - 48:15, 51:14, 56:7, 88:19, 105:3, 123:16, 137:3, 166:16, 210:20, 229:22, 245:14</p> <p>Real-life [1] - 131:11</p> <p>real-time [1] - 48:15</p> <p>realities [5] - 117:22, 118:3, 122:23, 166:14, 166:16</p> <p>reality [4] - 37:4, 66:8, 90:9, 219:13</p> <p>realize [3] - 239:15, 250:17, 250:22</p> <p>realized [1] - 176:13</p> <p>really [28] - 3:9, 4:6, 19:18, 20:13, 87:4, 88:3, 115:13, 116:9, 150:24, 153:16, 162:2, 163:15, 163:16, 173:7, 175:11, 175:12, 176:16, 204:7, 213:2, 214:11, 217:19, 217:21, 218:5, 224:20, 238:8, 238:16, 239:6, 250:22</p> <p>Realtor [1] - 144:10</p> <p>Realtors [2] - 129:24, 144:5</p> <p>reason [9] - 84:15, 110:17, 134:10, 135:4, 177:17, 213:10, 240:19, 251:6, 252:18</p> <p>reasonable [3] - 88:6, 210:14, 226:19</p> <p>reasoned [1] - 196:7</p> <p>reasons [7] - 57:18, 82:20, 106:18,</p>	<p>189:15, 198:15, 251:9, 252:15</p> <p>recapitalization [1] - 112:3</p> <p>recedes [1] - 130:20</p> <p>received [6] - 65:8, 146:7, 183:3, 183:5, 230:18, 234:18</p> <p>recent [2] - 47:3, 66:6</p> <p>recently [6] - 44:23, 94:2, 207:15, 234:20, 235:14, 238:9</p> <p>Recently [1] - 122:6</p> <p>reception [2] - 49:22, 230:18</p> <p>Recess [2] - 91:23, 182:6</p> <p>recognition [1] - 227:19</p> <p>recognize [3] - 108:22, 223:17, 227:16</p> <p>recognized [6] - 29:10, 31:14, 64:12, 81:12, 82:4, 102:10</p> <p>recognizes [2] - 49:2, 136:7</p> <p>recognizing [1] - 155:2</p> <p>recommend [1] - 121:9</p> <p>recommendations [1] - 243:4</p> <p>recommends [2] - 83:11, 120:14</p> <p>record [17] - 3:24, 4:23, 15:18, 23:23, 28:6, 28:24, 49:16, 56:16, 61:5, 97:8, 127:14, 128:23, 142:21, 167:16, 188:16, 235:11, 255:8</p> <p>records [1] - 148:2</p> <p>recover [2] - 14:5, 14:9</p> <p>recovery [2] - 14:6, 208:22</p> <p>recreation [1] - 144:24</p> <p>recreational [6] - 64:7, 99:12, 104:9, 168:20, 187:17, 189:21</p> <p>recycle [1] - 238:3</p> <p>red [4] - 11:24, 17:8, 92:9</p> <p>redeeming [1] - 217:16</p>
Q		R		
	<p>qualify [2] - 54:3, 64:9</p> <p>quality [6] - 105:19, 141:4, 141:6, 141:8, 145:3, 198:19</p> <p>quarters [3] - 61:10, 86:23, 179:19</p> <p>question-and-answer [1] - 3:9</p> <p>questioned [1] - 225:22</p> <p>questions [2] - 104:7, 205:13</p> <p>quick [4] - 94:9, 142:2, 160:4, 166:18</p> <p>quickly [8] - 10:13, 13:10, 83:2, 112:3, 112:24, 118:5,</p>	<p>R.G [1] - 138:23</p> <p>Rabbi [1] - 249:6</p> <p>race [1] - 15:8</p> <p>radar [11] - 49:18, 49:22, 50:19, 50:20, 67:7, 76:6, 110:3, 211:2, 229:13, 229:16, 229:19</p> <p>Radar [1] - 50:23</p> <p>radars [2] - 38:4, 48:18</p> <p>radio [1] - 144:7</p> <p>radioactive [1] - 187:11</p> <p>Rafn [1] - 102:6</p> <p>rain [1] - 128:4</p> <p>raise [2] - 121:6, 205:11</p> <p>raised [1] - 128:20</p> <p>raising [1] - 47:8</p> <p>ran [2] - 103:5, 171:13</p> <p>range [2] - 22:2, 81:11</p> <p>ranks [1] - 232:15</p> <p>rapid [2] - 72:9, 120:20</p> <p>rapidly [2] - 5:24, 173:9</p> <p>rarely [1] - 101:20</p> <p>rate [2] - 170:17, 222:23</p> <p>rates [4] - 26:10, 100:16, 205:10, 221:23</p> <p>rather [10] - 3:4, 10:13, 12:2, 34:15, 34:16, 71:3, 72:3, 108:17, 115:9, 153:21</p> <p>rational [1] - 195:9</p> <p>razor [1] - 58:7</p> <p>RDR [1] - 255:13</p> <p>reach [2] - 2:11, 148:6</p>		

redirect [1] - 23:6
reduce [16] - 8:15, 37:16, 61:16, 73:22, 83:7, 90:12, 116:9, 147:6, 151:21, 151:22, 166:17, 166:23, 197:11, 206:7, 206:18, 240:4
reduced [8] - 104:7, 112:12, 120:16, 120:17, 158:19, 198:20, 209:10, 243:14
reducing [5] - 41:13, 52:24, 91:2, 219:19, 236:22
reduction [7] - 196:16, 197:20, 197:21, 206:9, 209:9, 209:13, 209:14
reductions [2] - 89:24, 91:6
Reed [1] - 184:8
reexamine [1] - 213:24
refer [1] - 137:24
reference [1] - 51:4
referenced [1] - 104:11
referendum [1] - 39:19
reflect [3] - 53:9, 92:8, 92:9
reflected [3] - 21:12, 91:14, 118:3
refunds [1] - 126:5
REGAN [1] - 143:23
Regan [1] - 143:24
regard [2] - 90:15, 90:19
regarding [5] - 20:15, 31:23, 32:3, 69:4, 97:19
Regarding [1] - 120:11
regardless [1] - 156:24
regime [1] - 84:4
region [15] - 32:10, 32:22, 40:17, 41:11, 52:19, 73:24, 91:4, 97:12, 127:10, 139:21, 141:4, 170:6, 192:23, 207:9, 240:23
region's [2] - 91:16, 193:6
regional [6] - 28:18, 48:6, 83:6, 193:4, 209:10

Regional [2] - 112:10, 249:10
regionally [2] - 40:9, 253:21
regions [4] - 122:4, 122:8, 123:6, 241:17
registered [1] - 158:4
regrets [1] - 130:4
regular [1] - 10:7
regularly [1] - 101:22
regulate [1] - 192:11
regulates [1] - 44:24
regulation [4] - 28:17, 192:12, 196:7, 196:9
regulations [4] - 28:16, 68:13, 181:6, 185:8
regulatory [3] - 9:18, 28:15, 53:11
REID [1] - 87:15
Reid [1] - 87:16
REILLY [1] - 188:16
Reilly [1] - 188:17
reiterating [1] - 50:14
reject [5] - 27:15, 143:14, 251:5, 251:7, 252:15
relate [1] - 49:17
related [1] - 145:2
relation [1] - 139:4
relatives [1] - 144:21
released [1] - 144:19
relevant [1] - 157:3
Reliable [1] - 110:23
reliable [2] - 69:19, 111:8
reliance [4] - 147:6, 166:17, 206:19, 208:6
reliant [3] - 32:23, 69:5, 196:23
relied [1] - 192:11
religious [5] - 30:7, 30:12, 30:20, 31:10, 66:24
rely [2] - 37:23, 118:15
remain [4] - 88:15, 120:10, 123:10, 242:2
remained [5] - 23:23, 114:9, 130:8, 157:2, 157:8
remaining [4] - 120:14, 148:8, 166:10, 200:10
remains [1] - 32:8
remarkable [1] -

63:24
remarks [3] - 22:10, 44:11, 73:6
Rembrandt [1] - 94:13
remember [2] - 52:3, 226:12
Remember [1] - 54:19
remind [1] - 133:10
removal [3] - 187:10, 204:11, 204:14
removing [1] - 198:22
renewable [46] - 24:2, 24:8, 26:22, 39:21, 40:13, 52:10, 55:7, 56:8, 57:16, 61:11, 61:15, 71:21, 72:9, 73:13, 77:21, 78:8, 90:7, 90:13, 100:8, 100:20, 101:4, 105:24, 128:21, 131:16, 136:4, 136:8, 142:9, 142:16, 150:15, 160:11, 165:19, 174:10, 178:20, 181:10, 195:15, 206:24, 207:5, 210:23, 218:19, 219:7, 224:2, 231:14, 236:11, 240:5, 243:10, 248:18
Renewable [1] - 131:18
renewable-energy [1] - 207:5
renewables [3] - 132:2, 218:11, 218:18
rent [1] - 249:19
rentals [1] - 8:23
rep [1] - 70:7
repeat [1] - 138:23
repetition [1] - 129:2
replied [1] - 244:14
report [21] - 33:12, 47:11, 48:9, 60:15, 74:8, 76:11, 78:15, 104:12, 112:13, 147:10, 150:2, 150:10, 158:23, 166:4, 170:5, 183:15, 199:23, 200:4, 200:16, 216:12
Report [1] - 182:17
reported [2] - 149:3, 166:13
REPORTER'S [1] - 255:4

reporting [1] - 151:2
reports [3] - 9:20, 187:20, 199:21
represent [12] - 20:14, 44:10, 44:18, 56:13, 77:11, 85:18, 92:18, 106:13, 160:2, 163:7, 163:21, 198:9
Representative [6] - 22:8, 25:9, 31:19, 54:11, 67:22, 70:5
representative [4] - 57:7, 57:8, 108:11, 247:21
REPRESENTATIVE [1] - 70:6
Representatives [2] - 17:14, 137:7
represented [2] - 50:3, 168:6
representing [8] - 39:17, 44:14, 49:11, 105:4, 118:8, 118:21, 152:12, 247:22
represents [7] - 29:12, 77:14, 117:10, 142:5, 184:11, 223:6, 224:11
repugnant [1] - 137:6
reputation [1] - 243:20
request [3] - 53:6, 167:20, 201:6
requested [1] - 191:23
requests [1] - 10:3
require [8] - 9:13, 9:20, 27:8, 90:3, 112:8, 121:7, 187:7, 228:7
required [1] - 167:21
requirement [1] - 148:14
requires [1] - 179:6
requiring [2] - 9:4, 83:23
rescue [2] - 19:8, 50:10
research [15] - 119:24, 120:6, 147:15, 155:20, 180:16, 193:21, 195:20, 196:12, 216:17, 216:21, 223:23, 224:5, 225:4, 250:24, 251:2
researchers [3] - 102:7, 102:23, 103:4

Reservation [1] - 59:5
reservations [1] - 130:3
reserve [1] - 224:4
reside [1] - 178:2
resident [16] - 61:24, 103:16, 167:13, 183:6, 184:20, 188:18, 199:14, 201:15, 215:2, 215:3, 220:21, 227:9, 231:12, 237:21, 242:16, 242:17
Residents [1] - 144:22
residents [11] - 66:14, 75:9, 103:23, 104:6, 104:17, 105:5, 113:6, 114:18, 129:22, 238:21, 246:8
resilient [1] - 174:4
resolution [3] - 28:24, 29:3, 119:20
resounding [2] - 105:11, 165:19
resource [18] - 9:2, 13:23, 14:6, 42:17, 43:3, 43:15, 44:2, 46:5, 64:24, 66:9, 66:21, 78:9, 81:12, 105:10, 122:24, 123:2, 142:16
Resource [1] - 155:12
resources [14] - 12:24, 14:5, 14:9, 20:14, 43:2, 56:3, 63:2, 64:18, 152:2, 168:15, 168:21, 186:3, 216:22, 246:11
Resources [2] - 53:21, 82:13
respect [5] - 88:2, 158:11, 197:7, 202:18, 238:2
respected [2] - 102:7, 188:4
Respectfully [1] - 46:9
respectfully [2] - 177:15, 201:6
respiratory [1] - 128:5
response [3] - 21:8, 91:16, 111:16
responsibility [7] - 18:5, 19:11, 41:21, 77:23, 195:7, 219:22

responsible [6] - 17:21, 19:19, 41:6, 41:15, 91:16, 140:17
rest [8] - 4:14, 41:12, 86:6, 106:22, 107:6, 214:14, 230:10, 254:5
restart [1] - 63:5
resting [1] - 134:20
restoration [1] - 141:12
restore [1] - 43:24
restroom [1] - 3:23
restructuring [2] - 52:8, 111:19
Restructuring [1] - 53:16
result [9] - 18:19, 37:8, 60:24, 189:16, 198:19, 211:3, 237:7, 243:16, 252:6
resulted [1] - 221:7
resulting [1] - 201:9
results [6] - 12:9, 104:4, 108:18, 155:20, 199:22, 200:15
resume [1] - 63:5
retail [4] - 170:9, 171:8, 235:18, 235:19
retired [1] - 229:12
retirees [2] - 86:2, 144:22
return [1] - 8:24
revealed [1] - 101:10
Revenue [1] - 54:12
revenue [2] - 9:7, 119:4
reverse [1] - 114:7
reversed [3] - 200:17, 200:21, 200:24
reversing [1] - 219:20
review [18] - 35:11, 53:7, 53:11, 65:5, 71:14, 73:14, 73:19, 81:23, 89:13, 91:13, 120:6, 120:19, 121:2, 121:11, 137:16, 143:19, 166:3, 187:20
reviewed [4] - 9:13, 73:18, 142:20, 146:23
reviewing [1] - 248:3
revisit [1] - 21:24
revisited [1] - 130:10
revolution [11] - 81:15, 81:16, 81:17, 81:22, 106:2, 131:13, 131:17, 131:19,

162:22, 163:4
Revolution [1] - 130:6
rhetoric [2] - 128:6, 250:20
Rhode [6] - 100:5, 100:7, 100:15, 100:23, 155:11, 182:22
RI [2] - 100:6, 100:24
rich [1] - 76:20
Richard [1] - 178:2
richest [4] - 18:15, 75:18, 76:3, 223:20
ride [1] - 62:16
ridiculous [2] - 194:14, 195:9
rights [3] - 155:19, 156:19, 241:9
rigorous [2] - 88:8, 91:13
ring [2] - 135:16, 135:19
ripple [1] - 157:16
rise [6] - 55:16, 95:22, 96:4, 160:22, 222:23, 233:19
rises [1] - 68:17
rising [8] - 105:18, 114:5, 120:20, 174:6, 202:7, 221:14, 222:3, 247:11
risk [8] - 48:3, 48:7, 63:13, 82:2, 85:12, 120:13, 120:15, 179:9
River [2] - 232:7, 232:12
road [1] - 198:23
Rob [3] - 49:11, 82:11, 167:12
Robert [1] - 50:13
Roberta [3] - 21:2, 207:24, 209:20
rocks [1] - 11:13
RODGERS [1] - 153:9
Rodgers [1] - 153:10
Rodney [4] - 7:21, 10:8, 16:3, 254:13
Rodney's [1] - 7:22
ROGERS [2] - 89:19, 214:5
Rogers [2] - 89:20, 214:6
role [2] - 90:24, 207:8
rolled [1] - 132:15
rolling [1] - 158:21
Ronald [1] - 22:11

roof [2] - 88:12, 227:3
room [8] - 5:20, 69:23, 75:20, 90:5, 152:22, 227:15, 231:14, 238:4
roommate [1] - 246:13
Roosevelt [1] - 227:17
Rose [1] - 173:14
roseate [2] - 120:12, 120:23
rosy [1] - 252:7
rough [1] - 254:22
round [4] - 81:20, 81:21, 139:17, 244:3
route [1] - 37:21
Route [1] - 169:7
routes [5] - 38:7, 48:13, 189:21, 189:23
routine [4] - 13:5, 13:11, 13:14, 13:17
row [1] - 69:23
rules [4] - 47:9, 47:10, 236:10, 244:16
run [4] - 11:5, 82:17, 215:16, 236:2
running [11] - 11:3, 86:19, 90:7, 100:3, 129:23, 169:16, 231:5, 241:17, 251:11, 251:24, 252:3
runs [2] - 79:21, 169:20
ruptures [1] - 76:12
rusting [1] - 159:20
RYAN [1] - 199:13
Ryan [1] - 199:14

S

sacred [2] - 76:21, 135:3
sacrifice [4] - 41:16, 66:11, 123:8, 246:5
sacrifices [1] - 114:13
sacrificing [2] - 41:20, 42:3
sad [2] - 204:13, 247:10
sadly [1] - 114:10
safe [7] - 9:19, 18:24, 36:16, 37:2, 38:6, 97:17, 174:4
safely [1] - 79:20
safer [2] - 37:6, 188:7

safety [18] - 9:9, 12:8, 19:7, 38:10, 47:20, 48:21, 49:17, 50:19, 67:5, 110:4, 110:13, 123:12, 134:3, 189:19, 191:5, 211:3, 228:9, 228:13
saga [6] - 102:9, 102:12, 102:18, 103:2, 103:7, 138:5
sagas [1] - 138:10
sail [1] - 167:14
sailed [3] - 102:13, 102:15, 135:11
sailing [1] - 104:9
sake [1] - 215:17
salaries [1] - 136:20
sale [1] - 88:5
Salem [4] - 90:22, 173:14, 241:2
salt [2] - 183:23, 184:2
saltwater [1] - 183:24
sample [1] - 197:2
sanctuaries [1] - 191:7
sanctuary [7] - 31:11, 34:21, 35:15, 64:10, 64:14, 78:6, 168:12
Sanctuary [1] - 168:4
sand [2] - 7:9, 161:2
Sandwich [4] - 31:20, 90:21, 158:5, 236:19
Sandy [1] - 228:9
sandy [1] - 78:7
SANFILIPPO [1] - 77:8
Sanfilippo [1] - 77:11
Sarah [1] - 44:6
Sargent [1] - 168:2
sat [1] - 87:3
satisfactory [1] - 119:19
satisfy [1] - 69:23
Saudi [1] - 224:3
save [16] - 20:7, 63:8, 65:14, 65:24, 68:14, 95:6, 95:7, 96:10, 151:19, 152:6, 161:16, 163:2, 219:24, 220:13, 231:3, 237:7
Save [2] - 188:22, 245:14
saved [1] - 227:4

saving [1] - 20:3
savings [4] - 134:21, 209:12, 209:14, 252:7
saw [2] - 93:3, 129:6
SAW [4] - 126:14, 126:19, 127:16, 128:10
scalability [1] - 252:9
scale [5] - 32:22, 66:16, 218:4, 218:7, 218:15
scaled [1] - 251:12
scallop [1] - 57:5
scary [1] - 115:7
scattered [2] - 145:11, 145:16
scenario [3] - 156:16, 157:5, 157:10
scenery [2] - 162:6, 162:12
scenes [1] - 94:14
scenic [5] - 64:6, 94:13, 199:19, 201:11, 210:9
SCHILCHER [2] - 222:9, 223:10
Schilcher [2] - 222:10, 225:8
SCHLICHER [1] - 198:2
Schlicher [1] - 198:3
school [2] - 54:3, 169:4
School [3] - 106:10, 107:21, 183:15
School's [1] - 106:12
science [4] - 146:8, 193:19, 193:23, 246:23
Sciences [1] - 50:18
scientific [6] - 71:19, 91:13, 119:24, 193:21, 201:22, 202:16
Scientific [1] - 127:23
scientifically [2] - 73:17, 147:17
scientist [2] - 145:24, 146:14
scientists [2] - 111:6, 201:23
Scientists [3] - 89:22, 89:23, 90:10
scope [2] - 11:10, 27:15
scores [1] - 233:21
SCOTT [2] - 217:5,

218:22
Scott [1] - 217:6
scour [1] - 13:13
screaming [1] - 221:12
screen [2] - 10:14, 11:12
screening [1] - 11:9
screw [1] - 135:21
scrutiny [1] - 181:17
scup [1] - 57:23
sea [22] - 36:13, 36:23, 43:10, 55:16, 58:2, 58:6, 69:13, 95:22, 96:4, 102:19, 105:18, 120:20, 159:5, 164:5, 164:7, 173:21, 185:20, 202:8, 211:18, 221:14, 222:3, 247:10
Sea [1] - 45:10
sea-level [1] - 55:16
seabed [2] - 13:16, 13:18
Seaboard [5] - 62:15, 100:13, 101:15, 152:3, 240:22
Seafood [1] - 117:8
seafood [1] - 185:4
seagoing [1] - 110:13
Seamen's [1] - 108:12
search [2] - 19:8, 50:10
search-and-rescue [1] - 50:10
seas [2] - 61:9, 114:5
Seashore [4] - 33:19, 84:17, 130:13, 227:21
season [1] - 124:16
seasonal [1] - 32:23
seat [2] - 44:16, 98:6
seats [2] - 77:6, 237:16
Second [3] - 60:13, 90:15, 141:2
second [10] - 22:9, 83:7, 90:24, 133:4, 133:12, 144:23, 157:10, 213:5, 224:4, 224:7
second-homeowners [1] - 144:23
secondary [1] - 197:16
Secondly [1] - 80:9
secondly [1] -

189:13
seconds [2] - 17:7, 94:8
Secretary [4] - 8:21, 74:5, 124:21, 168:10
secretary [1] - 92:16
Section [5] - 36:18, 191:18, 209:3, 212:14, 213:6
section [2] - 43:6, 195:22
sections [1] - 13:3
sector [3] - 53:5, 57:13, 70:14
secure [2] - 74:19, 188:7
secured [1] - 62:12
secures [1] - 248:19
security [5] - 86:17, 86:19, 86:22, 173:24, 222:17
sediment [2] - 43:7, 43:18
Sedimentation [1] - 18:14
see [42] - 4:6, 4:9, 10:4, 10:14, 15:2, 21:12, 60:17, 62:9, 70:22, 71:3, 84:15, 86:4, 93:21, 94:13, 95:17, 99:11, 112:18, 130:5, 141:16, 144:12, 145:15, 147:4, 161:21, 161:23, 162:2, 162:20, 165:5, 172:21, 172:22, 178:22, 179:7, 183:8, 186:22, 194:21, 203:20, 219:23, 225:3, 225:10, 230:7, 248:8
See [1] - 220:11
seedy [1] - 136:12
seeing [3] - 95:20, 164:18, 222:23
seek [2] - 192:15, 233:2
seeking [1] - 164:10
seem [6] - 23:19, 103:10, 115:12, 129:3, 137:24, 240:16
Select [1] - 214:9
selectman [3] - 21:5, 22:13, 33:11
Selectmen [1] - 177:14
selectmen [3] - 39:17, 42:9, 75:9

self [4] - 161:14, 162:8, 162:24, 223:7
self-interest [1] - 223:7
self-sufficiency [1] - 161:14
self-sustainability [1] - 162:24
self-sustainable [1] - 162:8
selfish [1] - 203:14
sell [4] - 85:3, 149:20, 235:16, 236:8
Senate [2] - 125:3, 125:8
Senator [3] - 54:13, 54:15, 100:9
senator [1] - 188:18
Senators [1] - 137:7
send [2] - 10:6, 254:2
sense [9] - 18:8, 19:24, 132:6, 150:13, 151:17, 152:3, 152:7, 166:19, 213:19
senseless [1] - 40:10
Sensibility [1] - 161:15
sensibility [1] - 162:14
sensitive [2] - 40:14, 64:24
sentence [4] - 110:15, 147:19, 149:3, 247:7
sequence [2] - 27:19, 46:12
sergeant [1] - 229:12
serious [9] - 32:15, 38:22, 55:16, 110:3, 193:16, 194:18, 219:14, 223:18, 246:19
seriously [2] - 179:12, 208:14
Serpa [4] - 25:4, 39:5, 39:15, 39:17
serve [10] - 32:2, 56:19, 58:13, 63:20, 73:22, 94:24, 95:4, 124:4, 159:11, 198:4
served [1] - 242:22
service [3] - 37:9, 97:3, 125:19
Service [11] - 6:18, 38:20, 48:4, 56:15, 112:23, 157:15, 204:3, 215:12, 242:24, 247:19,

253:18
SERVICE [1] - 1:4
Service's [1] - 47:3
services [4] - 38:17, 45:4, 205:22
session [1] - 3:10
set [10] - 27:13, 63:2, 65:6, 83:20, 91:20, 100:12, 143:4, 168:4, 187:2, 235:11
setting [1] - 250:18
settlement [1] - 58:12
settlements [1] - 138:14
seven [20] - 53:10, 69:9, 71:14, 71:22, 81:24, 86:5, 87:3, 152:24, 166:10, 166:24, 179:14, 187:19, 194:14, 201:23, 201:24, 204:6, 215:14, 216:18, 233:22, 250:21
several [11] - 11:8, 40:12, 45:14, 57:4, 69:10, 111:19, 189:6, 189:15, 199:16, 204:13, 230:15
severe [1] - 200:12
shadow [1] - 244:13
shall [1] - 196:6
shallow [7] - 24:14, 31:4, 101:17, 101:18, 134:11, 135:5, 190:15
shallow-water [1] - 190:15
shallows [3] - 102:17, 102:18, 139:11
sham [1] - 137:6
shame [3] - 152:19, 152:20, 154:19
shameful [2] - 137:6, 149:18
shameless [1] - 152:18
Shane [1] - 214:24
share [11] - 2:10, 3:8, 23:9, 98:11, 109:2, 154:17, 170:22, 177:17, 193:8, 246:13, 247:15
shared [1] - 228:10
shareholders [1] - 127:15
sharing [1] - 9:7
Sharing [1] - 137:5

sheet [1] - 51:4
Sheikh [2] - 126:13, 128:8
Sheikhs [1] - 126:14
shelf [1] - 165:22
shellfish [9] - 43:10, 56:20, 57:3, 57:22, 58:5, 58:20, 98:24, 116:6, 116:18
Shellfish [1] - 56:24
shelves [1] - 7:15
shift [1] - 37:10
Shift [1] - 152:16
shifted [1] - 193:23
shifting [2] - 37:20, 193:19
shining [1] - 233:18
ship [3] - 36:10, 102:18, 152:24
shipboard [1] - 48:17
ships [1] - 183:9
SHIRLEY [2] - 115:3, 117:2
Shirley [1] - 115:4
Shoal [16] - 11:23, 42:18, 57:18, 58:8, 58:11, 95:14, 101:11, 102:2, 103:5, 103:9, 134:5, 134:6, 151:9, 204:23, 227:14, 228:8
shoal [1] - 101:18
Shoals [25] - 10:18, 12:16, 19:17, 29:5, 31:5, 40:10, 41:3, 76:2, 97:10, 101:22, 108:23, 109:9, 110:5, 117:13, 118:2, 132:21, 133:3, 144:14, 144:18, 155:15, 156:10, 156:14, 157:6, 184:21, 210:21
shoals [4] - 31:6, 102:18, 139:11, 184:22
Shop [1] - 145:9
shore [2] - 15:3, 233:16
Shore [1] - 180:14
Shoreham [1] - 100:14
shoreline [2] - 130:19, 211:24
shores [3] - 143:6, 144:11, 145:17
shoreside [2] - 117:11, 118:6
short [7] - 110:5,

110:24, 128:22,
141:16, 161:24,
198:14, 223:13
short-term [1] -
161:24
shortsighted [2] -
63:7, 160:10
shot [3] - 81:20,
244:3, 244:5
show [7] - 74:12,
91:15, 121:17,
129:15, 132:24,
144:7, 220:8
showed [1] - 48:16
showing [4] - 25:17,
50:21, 50:22, 196:14
shown [5] - 25:19,
89:14, 167:18,
208:11, 208:19
shows [4] - 67:13,
84:18, 196:12, 200:12
sick [1] - 23:18
side [2] - 44:18,
95:12
sides [1] - 250:21
Sierra [1] - 171:21
sight [3] - 102:20,
134:2, 231:20
sign [4] - 3:11, 4:22,
17:8, 235:17
sign-up [1] - 3:11
signatories [1] -
53:14
signed [3] - 39:7,
53:15, 168:2
significance [2] -
64:4, 201:7
significant [13] -
36:15, 42:16, 48:16,
52:20, 71:15, 74:15,
82:23, 91:7, 120:4,
120:8, 121:4, 136:9,
174:20
significantly [1] -
185:19
Silence [1] - 214:20
silencing [1] - 242:3
similar [1] - 147:10
similarly [1] - 80:5
simple [3] - 134:19,
153:4, 215:10
simply [6] - 28:21,
33:4, 113:10, 135:4,
211:8, 242:3
simultaneously [1] -
63:9
Singing [2] - 131:2,
131:18
single [7] - 55:21,

66:10, 152:21,
165:23, 187:12,
232:8, 232:15
single-file [1] -
232:15
sinking [1] - 153:2
Sirius [1] - 79:12
sirs [1] - 51:23
sister [1] - 201:14
sit [3] - 2:24, 6:10,
16:11
Site [1] - 9:15
site [23] - 12:18,
13:16, 13:18, 32:14,
34:14, 34:15, 35:10,
35:12, 40:20, 58:12,
65:11, 80:22, 113:21,
134:7, 134:18,
139:10, 139:19,
151:24, 160:17,
190:5, 202:15,
210:20, 211:19
sited [2] - 67:18,
105:6
sites [11] - 12:15,
34:11, 34:13, 94:4,
134:4, 134:11, 190:4,
200:7, 204:15,
204:18, 205:2
siting [7] - 24:4,
24:7, 26:19, 26:21,
40:9, 40:23, 111:17
Siting [1] - 237:5
sits [1] - 224:3
sitting [1] - 215:6
situated [1] - 75:16
situation [5] -
109:14, 150:14,
217:17, 217:18, 247:2
six [11] - 6:10, 10:20,
16:11, 22:15, 51:18,
51:21, 57:8, 97:21,
99:24, 154:20, 225:18
size [9] - 27:15, 31:3,
75:14, 116:2, 145:9,
145:11, 145:12,
187:2, 252:10
sized [2] - 157:17,
167:2
sizes [1] - 36:12
skilled [1] - 61:14
skirt [1] - 32:4
slam [1] - 169:11
slated [1] - 31:4
sleigh [1] - 62:16
slip [1] - 82:8
Slow [1] - 236:15
slow [1] - 223:9
slowly [2] - 5:7,

232:18
smack [1] - 28:3
small [9] - 7:6, 42:21,
43:17, 63:14, 213:13,
213:14, 216:2,
217:24, 240:6
small-boat [1] -
42:21
smaller [2] - 11:24,
12:14
smiled [1] - 176:12
Smizik [1] - 53:19
smog [1] - 142:12
smokestack [1] -
158:7
smooth [1] - 58:7
snap [1] - 158:14
so-called [3] - 23:11,
90:16, 135:19
social [5] - 146:24,
195:24, 196:3, 196:4,
208:17
Society [3] - 119:14,
188:3, 235:5
society [2] - 202:11,
206:6
socioeconomic [1] -
71:20
socioeconomics [1]
- 13:24
soft [2] - 243:9,
243:21
softshell [1] - 57:6
Solar [1] - 235:4
solar [11] - 7:17,
55:20, 181:10, 194:5,
207:2, 224:5, 227:3,
233:7, 238:14, 243:11
sold [1] - 86:3
soldiers [1] - 229:5
solicitous [1] -
136:16
solid [1] - 75:8
solstice [1] - 30:17
solution [8] - 116:13,
132:6, 169:4, 192:20,
193:4, 194:7, 194:10,
228:8
solutions [6] - 87:21,
89:5, 111:8, 204:8,
225:4, 225:5
someday [2] - 7:16,
225:9
someone [6] - 176:6,
176:23, 177:8, 179:7,
179:8, 217:6
Someone [3] -
176:24, 217:21,
238:24

Somerset [3] -
90:21, 183:12, 239:14
Sometimes [2] -
115:8, 247:9
sometimes [1] -
115:12
somewhat [1] -
10:14
somewhere [3] -
178:22, 239:13, 246:5
soon [4] - 27:11,
90:8, 92:6, 240:8
soon-to-be-
enacted [1] - 27:11
sooner [1] - 71:3
sorry [4] - 133:20,
176:7, 221:15, 225:13
Sorry [1] - 142:4
sort [4] - 225:21,
226:8, 226:22, 241:20
sought [1] - 52:13
soul [2] - 66:18,
75:23
souls [1] - 136:16
sound [24] - 19:21,
24:18, 27:2, 43:13,
46:20, 47:19, 48:2,
62:11, 62:14, 63:8,
64:13, 64:14, 65:15,
102:15, 102:16,
120:5, 123:4, 131:9,
134:6, 150:8, 163:2,
185:4, 214:21, 231:6
Sound [85] - 20:21,
21:21, 22:19, 25:14,
29:5, 31:5, 33:16,
33:17, 34:7, 34:9,
35:13, 36:20, 43:5,
47:10, 48:12, 49:5,
58:17, 63:21, 64:2,
64:9, 65:2, 65:4,
65:10, 65:14, 65:19,
66:11, 66:23, 67:7,
75:22, 76:21, 78:21,
79:5, 80:17, 80:21,
98:17, 98:22, 98:24,
101:12, 102:8,
103:18, 105:7,
118:12, 119:2,
122:24, 124:6,
126:16, 132:10,
132:22, 133:3, 133:5,
135:12, 137:21,
138:3, 139:15,
139:18, 151:9,
151:13, 151:16,
156:10, 159:19,
167:15, 168:8,
168:16, 168:19,

169:2, 169:20,
170:11, 178:5,
184:13, 185:2,
185:15, 185:18,
185:23, 188:22,
189:18, 195:2,
199:17, 204:2, 205:3,
210:6, 227:13,
228:23, 233:17,
234:10, 245:14
sounds [1] - 208:23
source [6] - 21:22,
61:12, 181:9, 181:20,
230:9, 246:3
sources [15] - 27:9,
39:21, 49:3, 88:21,
107:13, 143:8,
206:11, 206:24,
208:5, 218:12,
218:22, 242:10,
243:11, 243:22
south [6] - 12:17,
58:14, 70:8, 96:6,
101:14, 102:13
South [5] - 29:2,
29:7, 31:15, 93:24,
133:23
Southeast [1] - 97:3
southeastern [1] -
242:17
southern [1] - 103:2
space [3] - 2:6, 16:8,
139:14
spaced [2] - 80:5,
109:3
spacing [3] - 79:16,
79:17, 211:11
spare [1] - 128:24
spawn [1] - 58:16
spawning [3] -
58:12, 78:14, 185:15
speaker [8] - 51:11,
67:23, 145:21,
159:23, 175:17,
177:23, 180:10,
199:12
SPEAKER [1] - 99:19
Speaker [6] - 89:18,
99:17, 117:5, 182:8,
182:9, 239:22
speakers [8] - 16:4,
16:11, 16:13, 104:21,
104:22, 104:24,
176:14, 184:15
speaking [11] - 4:10,
20:23, 21:3, 25:8,
39:14, 44:6, 46:17,
79:11, 98:9, 153:12,
154:16

speaks [1] - 199:8
special [3] - 34:18, 67:3, 138:9
species [11] - 58:13, 120:11, 120:13, 120:18, 185:15, 185:18, 202:5, 245:11, 245:18, 245:19
specific [3] - 8:8, 83:13, 174:11
specifically [1] - 227:14
specifics [1] - 172:3
specified [1] - 148:7
speckled [1] - 220:10
spectrum [1] - 57:20
speed [2] - 11:16, 106:6
spelled [1] - 130:15
spend [5] - 60:17, 98:20, 99:3, 145:15, 223:12
spending [1] - 245:3
spends [2] - 118:10, 224:4
spent [5] - 152:23, 165:14, 172:6, 199:15, 245:2
spill [5] - 13:13, 76:11, 145:5, 187:14, 213:8
spin [2] - 231:23, 232:2
spinning [3] - 195:11, 195:12, 203:20
spinoffs [1] - 87:7
spirit [4] - 130:10, 179:7, 217:7, 217:10
spiritual [4] - 29:22, 30:3, 30:11, 105:7
spite [1] - 192:5
splickety [1] - 5:5
spoiled [1] - 204:16
spoken [5] - 72:2, 104:19, 154:7, 154:9
sponsors [1] - 34:4
spot [2] - 76:2, 236:2
spotting [1] - 18:15
spread [5] - 3:5, 131:8, 169:22, 224:21, 244:13
spreading [3] - 136:12, 136:23, 203:13
spring [3] - 118:11, 119:2, 119:8

square [7] - 31:3, 47:5, 110:11, 122:13, 123:13, 169:10, 252:9
squid [9] - 57:23, 80:14, 80:15, 109:9, 117:15, 118:23, 132:20, 132:24, 156:7
stability [1] - 114:14
stabilize [1] - 55:13
stable [2] - 88:15, 203:10
stack [3] - 236:3, 236:13, 236:20
stacks [1] - 245:16
staff [1] - 87:16
stain [1] - 244:14
stake [4] - 23:13, 26:15, 118:16, 119:4
stakeholders [3] - 26:6, 103:24, 108:19
stall [1] - 203:17
stance [1] - 32:6
stand [6] - 17:11, 28:23, 33:20, 100:23, 114:4, 165:3
standard [2] - 121:2, 127:5
standardized [2] - 24:6, 26:20
standards [3] - 27:14, 52:11, 73:18
standing [1] - 103:21
standpoint [1] - 155:17
standstill [1] - 38:15
stark [2] - 174:7, 184:14
start [23] - 5:17, 17:5, 18:7, 72:21, 92:2, 92:4, 92:7, 107:12, 121:22, 123:18, 153:6, 162:9, 162:21, 163:4, 173:10, 182:9, 186:5, 194:3, 194:9, 195:9, 217:22, 219:4, 237:20
started [4] - 92:6, 154:15, 222:19, 227:17
starting [2] - 155:5, 217:23
starts [2] - 7:12, 92:6
state [30] - 26:12, 27:8, 27:12, 33:15, 33:24, 45:21, 52:10, 55:8, 62:2, 70:7, 71:13, 81:22, 97:7, 113:15, 135:21, 136:3, 141:15, 143:6,

152:13, 171:23, 188:18, 191:20, 193:15, 198:19, 208:16, 238:13, 238:22, 239:11, 239:20, 244:4
State [12] - 22:7, 25:9, 31:19, 40:18, 67:22, 70:5, 124:23, 142:19, 168:6, 168:11, 168:13, 174:22
state's [1] - 135:14
statement [23] - 2:21, 3:12, 5:11, 7:5, 28:10, 33:10, 49:12, 49:15, 68:23, 96:24, 138:23, 149:7, 161:6, 163:13, 172:16, 191:12, 191:19, 192:4, 192:14, 193:9, 212:21, 216:14, 249:11
Statement [16] - 10:16, 12:19, 14:3, 15:17, 15:21, 31:24, 42:12, 59:3, 73:15, 83:12, 173:2, 174:13, 174:19, 185:12, 193:14, 215:13
statements [5] - 59:22, 69:4, 133:7, 153:22, 153:24
STATES [1] - 1:3
states [7] - 36:20, 68:23, 76:11, 92:23, 143:10, 196:5, 197:5
States [22] - 58:14, 72:23, 77:24, 78:10, 78:22, 86:8, 86:15, 87:5, 125:6, 125:8, 125:9, 125:16, 125:18, 133:12, 143:2, 165:17, 166:2, 206:17, 214:14, 219:6, 219:11, 251:15
statewide [3] - 111:3, 141:23, 199:9
stating [1] - 170:5
station [2] - 99:24, 100:2
stationed [1] - 161:16
stations [1] - 159:19
Statue [3] - 130:9, 145:11, 224:21
status [5] - 64:10, 128:11, 138:10, 139:22
stay [1] - 161:22

staying [1] - 239:6
stays [1] - 208:21
steamship [1] - 37:23
Steamship [5] - 35:22, 36:3, 36:4, 36:14, 38:19
steel [2] - 124:14, 145:10
stem [1] - 146:17
stenographer [2] - 215:6, 254:21
step [10] - 27:10, 52:17, 95:15, 96:8, 96:11, 142:5, 195:8, 219:19, 224:17, 240:7
Stephen [1] - 135:9
stepped [1] - 68:14
steps [2] - 43:23, 206:7
Steve [2] - 70:7, 94:19
Steven [1] - 70:4
Stevens [1] - 57:14
stiff [1] - 128:15
still [12] - 19:23, 47:7, 84:24, 100:2, 120:10, 129:11, 137:8, 172:22, 196:17, 233:17, 249:22, 249:23
STIMPSON [2] - 235:2, 236:16
Stimpson [1] - 235:2
stimulate [1] - 189:11
stipulations [1] - 162:19
stock [2] - 161:17, 162:12
stocks [1] - 114:3
Stony [1] - 139:6
stood [1] - 203:7
stool [1] - 41:20
Stop [2] - 145:9, 186:4
stop [13] - 17:8, 17:10, 17:12, 67:17, 92:10, 162:22, 195:8, 198:13, 202:21, 203:6, 203:13, 225:13
stoplight [1] - 17:9
stopped [3] - 78:6, 78:7, 230:19
stops [1] - 188:13
storage [3] - 158:10, 159:7, 206:12
store [1] - 146:17
stories [6] - 47:24,

131:9, 138:9, 204:13, 204:14, 253:11
storm [2] - 221:5, 222:2
storms [1] - 164:6
story [3] - 102:21, 138:6, 232:9
straight [1] - 235:12
strain [1] - 252:5
strangers [1] - 230:19
strategically [1] - 46:2
strategies [1] - 233:6
strategy [1] - 206:8
straw [1] - 4:8
streams [1] - 122:17
Street [2] - 126:20, 126:22
street [2] - 225:20, 225:22
strength [1] - 244:16
stretch [1] - 6:13
strip [2] - 42:19, 164:22
striped [1] - 57:24
strive [1] - 83:22
strong [6] - 51:24, 53:9, 68:12, 109:16, 121:17, 146:2
stronger [2] - 69:18, 243:23
strongly [7] - 28:13, 49:4, 58:24, 59:8, 71:2, 83:11, 98:17
struck [2] - 65:20, 153:16
structural [1] - 150:3
structure [3] - 15:5, 109:23, 244:17
structures [5] - 9:3, 67:6, 109:6, 109:16, 109:21
student [3] - 146:2, 146:9, 161:11
studied [3] - 102:24, 148:2, 199:6
Studies [2] - 208:11, 208:19
studies [12] - 48:10, 48:15, 49:19, 97:19, 146:22, 174:17, 175:5, 193:22, 202:17, 234:8, 251:14, 253:10
study [9] - 36:19, 38:2, 50:17, 132:23, 155:22, 160:4, 196:24, 205:9, 229:17

stuff [3] - 229:15, 230:3, 250:23
stunned [1] - 186:22
Sturgell [1] - 50:13
stymied [1] - 210:13
subjective [1] - 69:5
submerged [1] - 109:19
submit [6] - 91:5, 106:4, 147:16, 149:12, 172:2, 239:7
submitted [3] - 35:12, 46:9, 236:17
subsequently [1] - 146:7
subsidies [4] - 26:13, 76:19, 252:19, 252:21
subsidize [1] - 33:24
subsidized [1] - 149:22
substantially [1] - 180:4
substrate [1] - 11:13
succeed [1] - 55:14
succeeded [1] - 234:9
success [2] - 97:17, 232:7
successful [4] - 99:9, 186:23, 206:15, 236:22
Sue [1] - 87:16
suffer [2] - 145:7, 223:20
suffering [2] - 55:18, 223:18
suffers [1] - 125:12
sufficiency [1] - 161:14
Suffolk [1] - 195:21
suggest [5] - 55:24, 120:10, 140:10, 158:8, 192:10
suggested [2] - 171:12, 192:3
suggesting [1] - 120:17
suggestion [1] - 170:10
suing [1] - 80:6
suit [1] - 76:23
suitable [1] - 38:6
sulfur [1] - 128:3
sum [1] - 236:4
summary [5] - 14:11, 112:19, 147:16, 149:4, 192:5
summer [15] - 57:24,

62:18, 62:19, 85:2, 118:11, 118:24, 119:2, 119:9, 155:24, 159:2, 159:5, 162:7, 245:4, 249:21, 249:23
summers [1] - 199:15
superficially [1] - 224:9
supermarket [1] - 232:9
supplement [1] - 121:13
supplier [1] - 183:23
supplies [2] - 111:15, 174:6
supply [4] - 60:23, 112:21, 149:9, 174:5
supplying [1] - 148:17
support [50] - 51:24, 53:9, 55:3, 57:15, 60:6, 66:5, 73:12, 74:13, 77:19, 81:9, 98:18, 100:23, 104:6, 106:16, 106:18, 107:24, 111:17, 113:9, 115:6, 119:8, 119:18, 121:17, 126:15, 137:10, 146:2, 160:5, 160:12, 165:19, 172:5, 174:16, 175:4, 176:16, 178:20, 178:21, 181:6, 182:14, 188:20, 188:21, 189:8, 189:13, 190:22, 197:6, 206:2, 219:5, 228:21, 230:20, 239:5, 240:2, 248:4
supported [4] - 57:2, 77:17, 178:19, 247:24
supporter [1] - 176:11
supporters [5] - 66:7, 72:5, 104:3, 154:7, 173:18
supporting [4] - 157:20, 172:18, 181:8, 207:10
supportive [2] - 130:3, 182:4
supports [5] - 31:12, 57:19, 72:9, 198:15, 223:16
suppose [1] - 216:10
supposedly [2] - 89:7, 153:19

surely [1] - 88:21
surface [2] - 31:2, 48:17
surfer [1] - 199:18
surge [1] - 221:5
surges [1] - 222:3
surplus [1] - 157:3
surprise [2] - 23:14, 26:15
surprisingly [2] - 48:20, 103:3
surrounding [5] - 22:17, 25:12, 67:16, 121:22, 240:15
survey [2] - 156:4, 156:15
surveyed [2] - 104:16, 197:2
surveys [2] - 74:11, 197:9
survival [1] - 175:13
Susan [1] - 63:19
Sustain [1] - 161:20
sustain [2] - 18:18, 57:4
sustainability [1] - 162:24
Sustainable [4] - 57:11, 60:5, 80:20, 165:11
sustainable [12] - 42:21, 58:22, 72:19, 80:19, 131:16, 162:8, 165:15, 198:18, 213:21, 213:22, 213:23, 243:22
sustained [1] - 170:18
sustaining [2] - 62:15, 62:18
sustenance [2] - 20:20, 161:20
Sweeney [2] - 220:19, 220:21
swim [1] - 185:9
swimmer [1] - 199:18
swimming [1] - 85:10
switchyards [1] - 158:20
SYLVESTER [1] - 84:11
Sylvester [1] - 84:11
symbol [1] - 130:9
symbolic [1] - 66:10
symbols [3] - 233:18, 233:19, 240:9
sympathetic [1] -

242:23
syndrome [1] - 6:12
synonymous [1] - 193:2
system [9] - 16:24, 50:21, 83:17, 90:4, 97:18, 121:9, 140:20, 192:2, 192:17
systematically [1] - 196:3
systemic [1] - 125:12
systems [6] - 84:3, 117:18, 146:10, 229:14, 229:19, 252:7

T

table [3] - 41:18, 44:17, 233:8
tack [1] - 37:8
TACKER [1] - 39:13
Tacker [1] - 39:14
tacking [2] - 36:24, 37:5
tactics [1] - 203:17
tailored [1] - 192:2
tailpipe [1] - 141:7
tall [1] - 39:23
taller [1] - 224:20
tankers [1] - 187:9
tap [1] - 195:14
targets [2] - 38:9, 48:19
task [1] - 242:23
taught [2] - 237:24, 238:3
tax [5] - 33:22, 76:18, 76:19, 187:24, 226:23
taxpayer [2] - 9:6, 188:2
taxpayers' [1] - 125:23
Taylor [1] - 228:10
technical [3] - 121:2, 149:12, 199:23
technically [1] - 181:12
techniques [1] - 187:10
technologically [1] - 217:14
technologies [6] - 24:9, 26:23, 34:10, 113:22, 146:22, 233:7
Technologies [1] - 53:23
technology [16] - 11:16, 24:11, 53:5, 69:8, 70:19, 113:11,

113:13, 130:22, 147:6, 190:3, 190:10, 190:11, 205:23, 210:22, 251:8, 251:21
Technology [1] - 207:11
Ted [1] - 100:9
Teddy [1] - 227:17
Telecommunicatio
n [1] - 50:18
Telecommunicatio
ns [2] - 54:7, 54:14
telephone [1] - 156:4
ten [10] - 76:4, 100:20, 112:14, 112:15, 135:16, 135:18, 159:2, 170:13, 170:17, 180:13
ten-year-old [1] - 180:13
tend [1] - 236:19
tens [1] - 125:23
tension [2] - 93:6
tentatively [1] - 120:2
term [3] - 63:24, 161:24, 178:4
terms [4] - 114:21, 159:7, 192:7, 192:8
tern [1] - 120:12
terns [1] - 120:24
terribly [1] - 18:13
terrific [1] - 226:4
test [7] - 32:21, 86:11, 86:13, 144:12, 196:11, 207:17, 232:8
testament [1] - 138:11
tested [1] - 232:6
testimony [8] - 22:7, 31:19, 56:16, 91:5, 153:14, 192:9, 195:21, 243:2
testing [2] - 32:18, 86:11
thankful [2] - 179:21, 179:22
thanksgiving [1] - 30:10
THE [1] - 1:3
theme [1] - 202:13
themes [1] - 23:2
themselves [1] - 230:4
theories [1] - 126:22
thereby [1] - 236:21
Therefore [1] - 31:8
therefore [1] - 53:6

<p>thermal [1] - 55:20</p> <p>they've [2] - 78:3, 78:5</p> <p>thin [1] - 232:16</p> <p>thinking [2] - 121:23, 203:16</p> <p>thinks [1] - 90:16</p> <p>Third [3] - 60:19, 90:23, 141:10</p> <p>third [8] - 2:14, 6:7, 79:16, 80:5, 109:3, 189:24, 202:5, 224:7</p> <p>Thirty [2] - 99:24, 156:20</p> <p>Thirty-six [1] - 99:24</p> <p>Thirty-two [1] - 156:20</p> <p>Thomas [1] - 46:13</p> <p>thorough [5] - 140:13, 143:19, 163:11, 215:18, 216:12</p> <p>thoroughly [1] - 181:24</p> <p>thoughtful [1] - 254:17</p> <p>thoughts [2] - 8:17, 154:18</p> <p>thousand [3] - 76:17, 136:21, 249:6</p> <p>thousands [15] - 18:2, 18:20, 36:11, 71:18, 71:23, 97:14, 97:15, 105:4, 125:24, 136:3, 154:21, 199:3, 205:24, 216:17, 241:15</p> <p>threat [8] - 59:10, 72:13, 100:3, 109:5, 120:4, 121:5, 221:19, 221:20</p> <p>threaten [2] - 45:18, 120:21</p> <p>threatened [1] - 120:24</p> <p>threatening [1] - 61:8</p> <p>threatens [1] - 125:13</p> <p>threats [1] - 242:4</p> <p>Three [5] - 74:10, 80:14, 200:7, 243:7, 251:11</p> <p>three [38] - 2:14, 4:11, 4:18, 7:12, 17:4, 21:18, 61:10, 65:9, 75:5, 75:16, 80:12, 80:14, 85:21, 86:23, 90:10, 94:12, 100:9,</p>	<p>103:18, 104:18, 105:2, 105:14, 120:6, 122:10, 124:12, 131:3, 134:11, 140:9, 165:14, 170:2, 172:7, 178:4, 179:18, 200:6, 206:8, 227:3, 234:21, 242:4, 252:14</p> <p>three-term [1] - 178:4</p> <p>three-year [1] - 80:14</p> <p>Three-year [1] - 80:14</p> <p>throughout [2] - 151:12, 198:10</p> <p>thwarted [1] - 217:11</p> <p>ticket [1] - 188:22</p> <p>ticks [1] - 194:20</p> <p>tidal [5] - 40:21, 231:18, 231:19, 232:20, 233:6</p> <p>tide [4] - 43:18, 101:20, 101:23, 103:6</p> <p>tides [3] - 109:16, 124:15, 231:24</p> <p>tie [1] - 183:7</p> <p>Tim [1] - 151:6</p> <p>Time's [1] - 137:13</p> <p>timely [2] - 174:24, 207:20</p> <p>tiny [3] - 182:23, 182:24</p> <p>tired [1] - 254:16</p> <p>Tisbury [3] - 56:11, 56:18, 233:15</p> <p>title [1] - 167:22</p> <p>to... [1] - 69:23</p> <p>Today [1] - 180:21</p> <p>today [13] - 101:20, 102:4, 107:20, 118:8, 118:13, 144:12, 146:19, 162:4, 170:3, 194:19, 220:2, 240:13, 252:17</p> <p>Todd [1] - 133:23</p> <p>together [5] - 12:13, 34:16, 39:12, 180:19, 211:10</p> <p>toluene [1] - 128:3</p> <p>Tom [5] - 39:12, 56:10, 56:13, 59:16, 59:17</p> <p>Toms [1] - 42:8</p> <p>ton [1] - 196:17</p> <p>Tonight [1] - 105:17</p> <p>tonight [39] - 15:15, 15:24, 22:7, 65:9, 72:2, 72:15, 77:10, 79:11, 87:19, 93:11,</p>	<p>93:17, 98:2, 98:9, 106:13, 117:16, 121:17, 137:19, 140:3, 144:10, 145:23, 154:8, 154:9, 154:13, 154:14, 154:17, 175:23, 176:15, 178:8, 179:22, 180:19, 188:19, 192:9, 193:12, 198:7, 203:18, 214:15, 216:16, 247:22, 248:6</p> <p>tonight's [1] - 153:18</p> <p>tons [1] - 83:9</p> <p>took [3] - 103:4, 146:9, 216:18</p> <p>tool [2] - 167:7</p> <p>top [4] - 134:9, 201:22, 226:16, 236:20</p> <p>tops [1] - 122:12</p> <p>tore [1] - 228:23</p> <p>Tory [1] - 118:7</p> <p>total [9] - 90:3, 109:4, 125:20, 126:15, 157:4, 157:5, 157:9, 159:10, 187:14</p> <p>tough [1] - 63:16</p> <p>tour [1] - 129:24</p> <p>tourism [10] - 32:23, 33:2, 45:7, 60:13, 104:10, 168:23, 196:21, 196:23, 197:20, 208:13</p> <p>Tourism [1] - 54:16</p> <p>tourist [3] - 32:20, 137:2, 145:18</p> <p>tourists [4] - 61:14, 67:2, 145:14, 197:2</p> <p>touted [1] - 104:3</p> <p>tow [1] - 211:9</p> <p>toward [4] - 27:10, 37:13, 41:14, 200:4</p> <p>towards [10] - 40:22, 52:17, 63:2, 106:20, 107:5, 107:12, 141:12, 142:6, 219:19, 231:2</p> <p>towed [2] - 69:13, 134:18</p> <p>tower [4] - 38:7, 39:22, 144:12, 244:12</p> <p>Tower [1] - 244:10</p> <p>towering [1] - 47:23</p> <p>towers [6] - 36:9, 50:5, 50:6, 51:5, 145:10, 224:20</p> <p>Towers [1] - 224:23</p>	<p>towing [1] - 109:10</p> <p>Town [10] - 21:5, 21:6, 33:10, 40:11, 42:9, 42:19, 44:10, 56:10, 56:18, 252:10</p> <p>town [9] - 40:4, 40:6, 40:16, 44:7, 44:8, 93:18, 100:14, 178:4</p> <p>Towns [1] - 57:8</p> <p>towns [3] - 40:16, 198:10, 221:2</p> <p>toxins [2] - 180:15, 180:23</p> <p>tracking [1] - 50:21</p> <p>tracks [1] - 50:22</p> <p>trade [3] - 111:4, 146:22, 155:24</p> <p>Trades [1] - 92:17</p> <p>tradition [3] - 17:24, 138:17, 183:21</p> <p>traditional [4] - 30:3, 30:20, 31:9, 110:12</p> <p>traditionally [1] - 109:8</p> <p>traffic [8] - 15:10, 37:11, 38:7, 48:16, 50:21, 100:4, 110:14, 189:22</p> <p>traits [1] - 112:21</p> <p>transcended [1] - 215:23</p> <p>transcript [3] - 4:24, 5:15, 255:7</p> <p>transferring [1] - 223:3</p> <p>transformation [1] - 90:3</p> <p>transformer [2] - 75:13, 76:12</p> <p>transit [2] - 37:2, 37:14</p> <p>transition [1] - 72:18</p> <p>translates [1] - 197:13</p> <p>transmission [3] - 11:3, 11:15, 111:13</p> <p>transmission-line [1] - 11:15</p> <p>transparent [1] - 88:24</p> <p>Transportation [6] - 124:21, 125:2, 125:4, 125:7, 125:10, 125:19</p> <p>transportation [2] - 97:12, 97:18</p> <p>transported [1] - 97:14</p> <p>transporting [1] - 36:6</p>	<p>trash [2] - 245:23, 245:24</p> <p>trash-to-energy [1] - 245:23</p> <p>travel [5] - 58:15, 76:9, 210:5, 210:7, 211:7</p> <p>traveled [1] - 210:9</p> <p>traveling [1] - 189:19</p> <p>trawled [1] - 133:4</p> <p>trawler [3] - 109:12, 109:17, 109:21</p> <p>trawlers [2] - 110:4, 157:18</p> <p>Trawlers [1] - 109:8</p> <p>TRC [2] - 6:23, 254:21</p> <p>treasure [2] - 62:10, 184:18</p> <p>treasures [1] - 227:18</p> <p>tremendous [1] - 110:13</p> <p>trend [1] - 114:8</p> <p>tribal [7] - 20:16, 20:17, 21:4, 28:7, 29:20, 57:12, 66:22</p> <p>Tribe [2] - 17:19, 29:15</p> <p>tribe [11] - 20:12, 27:21, 27:24, 28:9, 29:13, 29:16, 31:8, 31:12, 57:8, 191:15, 240:14</p> <p>tribes [5] - 29:10, 31:14, 67:19, 75:10, 204:21</p> <p>Tribes [3] - 29:2, 29:8, 31:15</p> <p>tribes' [1] - 29:14</p> <p>tribute [1] - 253:16</p> <p>tried [1] - 253:9</p> <p>trillion [2] - 222:20, 222:21</p> <p>triple [1] - 235:14</p> <p>trips [3] - 36:6, 37:16, 76:9</p> <p>trophy [1] - 226:2</p> <p>trouble [3] - 6:2, 106:5, 246:18</p> <p>trucks [1] - 36:7</p> <p>true [4] - 26:3, 28:17, 154:6, 255:8</p> <p>truly [11] - 26:8, 41:22, 51:6, 62:24, 84:3, 101:12, 122:21, 122:24, 175:9, 192:20, 231:16</p> <p>Truman [1] - 105:21</p>
---	--	--	---	---

<p>trump [2] - 34:6, 34:19</p> <p>trust [4] - 33:18, 68:14, 114:20, 137:11</p> <p>truth [2] - 131:11, 132:3</p> <p>try [8] - 4:4, 6:3, 11:9, 128:23, 152:6, 234:7, 253:17</p> <p>trying [4] - 151:18, 155:17, 164:19, 226:19</p> <p>TUCKER [1] - 184:7</p> <p>Tucker [1] - 184:8</p> <p>Tuckernuck [2] - 12:17, 134:7</p> <p>tunnel [2] - 6:12, 124:12</p> <p>turbine [16] - 12:2, 12:3, 12:6, 44:24, 49:21, 60:21, 109:21, 147:22, 148:9, 182:21, 207:17, 231:19, 232:8, 232:18, 246:24</p>	<p>251:10</p> <p>two [33] - 4:5, 4:10, 4:13, 4:15, 5:22, 6:5, 6:6, 6:7, 11:2, 12:15, 34:8, 49:17, 53:16, 53:17, 91:21, 93:12, 94:12, 105:15, 126:4, 148:3, 148:5, 156:20, 158:13, 170:2, 172:7, 186:23, 204:21, 233:24, 234:21, 238:11, 242:13, 247:9</p> <p>two-minute [2] - 4:5, 4:10</p> <p>two-year [1] - 126:4</p> <p>twofold [1] - 83:5</p> <p>type [6] - 14:7, 14:15, 52:12, 93:14, 156:3, 218:7</p> <p>types [2] - 12:8, 14:10</p> <p>typically [1] - 236:18</p> <p>typing [1] - 6:15</p>	<p>uncertain [1] - 174:5</p> <p>uncertainty [3] - 95:24, 120:15, 120:17</p> <p>unchanged [1] - 123:10</p> <p>unconscionable [1] - 159:14</p> <p>uncovered [1] - 101:19</p> <p>undeniably [1] - 67:14</p> <p>under [9] - 47:7, 57:14, 64:16, 65:6, 81:23, 131:10, 152:5, 162:10, 204:23</p> <p>Under [1] - 36:23</p> <p>undercommissio d [1] - 213:3</p> <p>underestimate [1] - 232:24</p> <p>underlying [1] - 64:20</p> <p>underscore [1] - 65:10</p> <p>understates [1] - 185:19</p> <p>undertaken [1] - 174:18</p> <p>undertaking [1] - 48:10</p> <p>undertook [1] - 52:8</p> <p>underwater [3] - 60:20, 231:20, 232:6</p> <p>undeveloped [1] - 224:23</p> <p>undisputable [1] - 219:15</p> <p>uneconomic [2] - 170:18, 170:24</p> <p>Unfortunately [4] - 31:22, 238:5, 238:12, 238:23</p> <p>unfounded [1] - 180:2</p> <p>uniform [3] - 24:4, 26:18, 27:16</p> <p>uninformed [1] - 136:23</p> <p>uninterrupted [1] - 231:22</p> <p>Union [2] - 89:21, 90:9</p> <p>union [1] - 242:4</p> <p>unions [3] - 85:21, 92:19, 111:4</p> <p>unique [9] - 57:18, 62:10, 84:15, 84:19, 101:12, 101:13, 102:3, 227:19, 245:9</p>	<p>UNITED [1] - 1:3</p> <p>United [24] - 29:2, 29:7, 31:15, 72:23, 77:24, 78:10, 78:22, 86:8, 86:15, 87:5, 125:6, 125:8, 125:9, 125:16, 125:18, 133:12, 143:2, 165:16, 166:2, 206:17, 214:14, 219:6, 219:11, 251:15</p> <p>units [1] - 111:22</p> <p>universal [1] - 23:17</p> <p>university [2] - 237:23, 254:12</p> <p>University [8] - 1:11, 16:4, 40:19, 146:5, 155:11, 186:17, 195:21, 237:23</p> <p>unknown [1] - 192:9</p> <p>unless [2] - 174:10, 223:15</p> <p>unlike [1] - 88:10</p> <p>unlimited [1] - 231:17</p> <p>unnecessary [2] - 40:11, 174:24</p> <p>unobstructed [1] - 162:5</p> <p>unpopular [1] - 130:6</p> <p>unpredictable [2] - 251:10, 251:24</p> <p>unrefuted [1] - 46:7</p> <p>unreliable [1] - 251:9</p> <p>Unreliable [1] - 251:13</p> <p>unsafe [1] - 211:7</p> <p>unstable [2] - 116:8, 187:8</p> <p>untruth [1] - 169:22</p> <p>untruths [1] - 169:21</p> <p>unusually [1] - 101:17</p> <p>unworkable [1] - 65:10</p> <p>up [92] - 3:2, 3:11, 4:20, 4:23, 5:13, 6:9, 11:21, 11:22, 13:10, 16:11, 16:21, 17:11, 19:16, 25:3, 25:5, 33:2, 39:4, 46:14, 51:9, 59:23, 61:20, 77:6, 81:2, 84:5, 85:2, 87:9, 90:7, 92:5, 94:4, 98:6, 100:8, 102:16, 106:3, 108:9, 109:13, 109:15, 109:20, 115:2, 116:23,</p>	<p>121:18, 123:22, 126:2, 126:11, 128:9, 128:15, 128:18, 132:3, 132:15, 133:21, 135:7, 137:13, 143:22, 150:23, 151:4, 153:5, 153:8, 161:9, 163:13, 167:10, 169:7, 171:17, 176:23, 179:4, 183:13, 183:17, 184:8, 191:11, 195:8, 203:8, 205:15, 216:23, 217:12, 220:17, 221:23, 226:9, 226:15, 227:24, 228:23, 230:7, 231:5, 231:7, 234:24, 237:16, 237:21, 240:17, 242:14, 245:5, 245:6, 247:6, 249:14</p> <p>update [1] - 140:10</p> <p>updated [1] - 196:12</p> <p>upper [1] - 128:15</p> <p>upset [3] - 58:20, 93:13, 245:6</p> <p>uranium [1] - 187:11</p> <p>urge [12] - 27:13, 35:11, 52:14, 56:4, 59:8, 81:8, 89:9, 104:14, 107:20, 129:9, 174:21, 249:10</p> <p>urgency [5] - 55:9, 123:16, 174:7, 215:24, 217:18</p> <p>urgent [3] - 111:9, 114:7, 221:16</p> <p>urges [5] - 38:20, 58:24, 59:3, 90:23, 163:13</p> <p>urging [1] - 243:9</p> <p>USA [3] - 170:19, 173:15, 190:6</p> <p>useful [1] - 139:3</p> <p>user [2] - 235:13, 237:4</p> <p>users [1] - 36:17</p> <p>uses [1] - 15:7</p> <p>USET [3] - 29:8, 29:11, 31:11</p> <p>Utilities [2] - 54:8, 54:14</p> <p>utility [2] - 113:20, 171:2</p> <p>utilized [1] - 190:17</p>
U				
<p>turbines [53] - 10:23, 12:13, 15:9, 18:10, 19:7, 30:23, 35:9, 38:5, 40:9, 40:23, 45:3, 47:8, 47:14, 47:23, 60:17, 62:9, 69:12, 106:19, 109:2, 109:3, 113:11, 133:14, 134:12, 149:9, 149:21, 150:4, 159:21, 170:15, 170:19, 170:23, 175:8, 187:7, 195:10, 195:12, 197:3, 200:12, 203:20, 208:10, 211:9, 211:12, 212:16, 212:18, 213:2, 213:7, 220:3, 220:10, 232:2, 232:6, 232:11, 232:16, 233:6, 240:8, 245:5</p> <p>turbines' [1] - 116:17</p> <p>turbulent [2] - 69:18, 134:23</p> <p>turmoil [1] - 201:18</p> <p>turn [11] - 6:17, 39:18, 61:9, 148:9, 165:6, 235:8, 238:4, 238:7, 238:20, 254:12</p> <p>Turnpike [1] - 125:5</p> <p>twice [1] - 122:14</p> <p>Two [4] - 93:24, 163:15, 235:24,</p>	<p>U'wa [1] - 240:14</p> <p>U.N [1] - 234:17</p> <p>U.S [8] - 36:3, 36:19, 38:21, 39:2, 207:12, 207:15, 229:15, 240:23</p> <p>U.S.-owned [1] - 241:10</p> <p>UCS [2] - 90:16, 90:23</p> <p>UCS's [1] - 91:4</p> <p>ugly [7] - 93:5, 153:3, 159:19, 164:22, 245:15, 245:16, 245:17</p> <p>UK [2] - 38:2, 251:16</p> <p>ultimately [4] - 108:2, 109:23, 254:4, 254:8</p> <p>Ultimately [1] - 37:22</p> <p>UMass [1] - 186:18</p> <p>umbrella [2] - 77:12, 77:15</p> <p>unable [2] - 31:22, 55:7</p> <p>unacceptable [1] - 33:4</p> <p>unaddressed [1] - 223:19</p> <p>unanimously [1] - 44:12</p> <p>unbelievable [1] - 216:24</p>			

V

vacant [1] - 226:4
vacation [3] - 75:24, 197:4, 249:22
vacationing [1] - 199:15
vain [1] - 20:11
valid [1] - 215:21
valleys [1] - 122:16
valuable [3] - 122:24, 204:9, 210:21
valuation [3] - 155:14, 156:3, 156:16
value [4] - 66:24, 70:23, 136:7, 196:17
values [10] - 64:7, 64:12, 116:19, 137:3, 145:2, 197:8, 197:11, 197:15, 221:20
Vanderhoop [3] - 16:19, 17:18, 17:23
VANDERHOOP [1] - 17:17
vanguard [1] - 143:10
variable [1] - 232:4
various [1] - 166:7
vary [2] - 40:6, 68:24
varying [1] - 36:12
vast [2] - 122:2, 240:21
vehemently [2] - 46:23, 105:5
vehicles [1] - 37:3
veracity [1] - 215:11
verge [1] - 158:20
verifiable [1] - 167:18
Vermont [1] - 92:22
versus [1] - 171:4
vessel [7] - 13:18, 15:10, 79:12, 109:10, 109:18, 118:14, 118:17
vessels [12] - 19:8, 36:11, 36:16, 37:4, 37:6, 37:8, 37:10, 38:11, 117:10, 118:9, 132:19, 211:4
vet [1] - 229:2
vetted [1] - 73:17
viability [1] - 45:3
viable [3] - 73:13, 190:5, 196:13
vibration [1] - 13:12
vice [4] - 46:21, 106:11, 158:5, 171:20
vice-chair [1] -

171:20
vice-chairman [1] - 46:21
vice-president [1] - 158:5
victory [1] - 66:12
Vietnam [2] - 156:2, 229:2
view [23] - 30:13, 66:19, 68:3, 68:19, 74:17, 104:8, 116:20, 123:17, 133:14, 137:9, 145:14, 175:12, 177:21, 184:12, 200:2, 200:4, 200:6, 200:9, 216:3, 221:21, 244:8, 248:24
views [7] - 2:10, 3:9, 20:15, 144:24, 147:10, 199:19, 202:16
Viewshed [1] - 44:19
viewshed [1] - 30:14
vigorously [1] - 63:5
village [5] - 163:21, 163:23, 164:5, 164:7, 164:12
villages [1] - 241:14
Vineyard [30] - 10:21, 17:20, 19:9, 28:3, 31:7, 35:22, 36:8, 38:18, 40:24, 41:9, 42:10, 42:15, 43:5, 43:24, 56:14, 56:24, 57:12, 58:10, 75:6, 97:7, 103:19, 104:23, 133:3, 190:7, 191:16, 212:12, 225:19, 226:3, 226:10, 233:16
vineyard [1] - 167:14
violations [1] - 241:9
Virginia [3] - 122:8, 177:4, 179:16
visibility [4] - 50:11, 51:2, 160:18, 160:19
visible [2] - 20:17, 240:7
vision [2] - 145:13, 175:12
visionary [2] - 136:7, 243:8
visions [1] - 253:12
visited [2] - 32:19, 186:20
Visitors [1] - 62:7
vista [1] - 30:14
Visual [1] - 15:2
visual [7] - 15:6,

47:9, 69:3, 199:22, 199:23, 201:7, 244:7
vital [3] - 62:6, 63:8, 139:15
vitality [1] - 96:21
Vito [1] - 108:10
vocal [1] - 66:6
voice [3] - 163:2, 214:11, 240:2
voiced [1] - 160:12
volatile [2] - 88:17, 127:24
volumes [2] - 52:20, 199:8
vote [3] - 4:8, 108:5, 137:10
voted [2] - 21:7, 84:22

W

waged [1] - 136:11
wait [2] - 90:5, 202:3
waiting [3] - 67:9, 92:12, 182:8
Wal [2] - 166:21, 167:4
Wal-Mart [1] - 166:21
Wal-Mart's [1] - 167:4
Wales [1] - 80:4
walked [1] - 185:3
Wall [1] - 126:22
wallets [2] - 67:19, 212:4
Waltham [2] - 219:3, 237:23
Wampanoag [14] - 17:18, 18:3, 19:10, 20:12, 27:21, 27:24, 29:15, 29:17, 29:23, 31:8, 31:10, 31:12, 57:9, 204:21
Wampanoags [2] - 21:20, 62:17
wants [4] - 93:22, 160:13, 231:14, 235:21
war [5] - 24:20, 61:6, 105:20, 229:4, 244:2
War [1] - 230:11
warden [1] - 56:21
warm [1] - 230:18
warmed [1] - 113:23
Warming [1] - 214:10
warming [47] - 19:14, 24:21, 56:7, 61:17, 66:2, 74:21,

90:2, 90:19, 91:3, 91:6, 91:14, 95:17, 105:18, 113:7, 114:8, 114:10, 142:12, 146:17, 155:3, 160:23, 162:4, 163:22, 173:8, 173:24, 174:8, 175:10, 181:3, 189:10, 193:16, 193:18, 194:8, 194:10, 194:21, 201:21, 202:22, 203:7, 203:19, 213:21, 214:17, 214:19, 216:5, 217:17, 219:13, 219:21, 222:13, 222:15, 234:20
Warren [1] - 39:9
waste [1] - 122:16
wasteful [2] - 113:13, 193:2
watch [1] - 178:14
watched [2] - 84:17, 164:21
Water [1] - 232:4
water [24] - 11:12, 31:2, 43:8, 45:22, 64:2, 67:4, 101:18, 122:18, 134:12, 135:5, 135:23, 150:14, 162:10, 162:12, 180:24, 181:10, 190:6, 190:15, 191:3, 191:4, 238:3, 241:17, 247:5
waterfront [5] - 94:6, 114:20, 197:12, 210:4, 234:6
waters [19] - 7:11, 19:11, 30:2, 31:4, 31:10, 42:15, 58:17, 66:20, 72:22, 76:9, 118:15, 118:18, 119:5, 135:12, 167:14, 168:8, 168:12, 168:13, 190:7
watershed [1] - 45:12
waterway [1] - 227:13
waterways [2] - 36:17, 189:20
WATTLEY [1] - 203:23
Wattley [2] - 203:23, 235:5
wave [2] - 11:12, 233:7

waves [2] - 7:16, 124:15
ways [1] - 253:6
weakening [1] - 243:18
wealth [1] - 223:3
wealthy [3] - 126:19, 203:8, 234:6
wearing [1] - 230:16
weather [4] - 36:13, 50:22, 96:2, 212:17
Weather [1] - 98:20
weathermen [1] - 221:11
Web [1] - 250:24
week [5] - 24:10, 153:12, 183:8, 190:5, 254:15
weeks [4] - 148:3, 148:5, 164:2, 230:16
weigh [3] - 71:16, 72:16, 243:2
weighed [2] - 112:20, 160:5
weight [1] - 196:3
weir [1] - 184:19
Welcome [1] - 2:4
welcome [5] - 2:5, 10:12, 15:22, 139:19, 245:13
welfare [2] - 130:19, 157:4
well-argued [1] - 160:8
well-known [1] - 135:19
wellbeing [2] - 47:21, 208:17
west [1] - 102:15
West [5] - 56:11, 56:18, 177:3, 179:16, 233:15
Westar [2] - 171:3, 171:5
western [2] - 92:22, 239:2
Western [3] - 102:11, 237:22, 238:10
whatsoever [2] - 12:22, 166:10
whereas [4] - 29:10, 29:15, 30:5, 30:19
Whereas [1] - 29:7
white [1] - 63:4
whole [3] - 165:6, 217:17, 222:13
wholesale [3] - 170:5, 170:8, 237:2
wholly [1] - 130:3

wide [1] - 81:11
widely [1] - 81:11
WIERSMA [1] - 155:9
Wiersma [1] - 155:10
wildlife [5] - 19:20, 64:6, 98:23, 100:4, 241:19
wildly [1] - 251:10
William [6] - 25:3, 33:8, 33:10, 50:14, 169:17, 228:18
WILLIAM [1] - 169:14
Williams [1] - 36:19
willing [5] - 4:4, 149:20, 162:5, 179:8, 247:14
win [9] - 190:21, 248:14, 248:19, 248:21
win-win-win [2] - 190:21, 248:14
wind [181] - 7:15, 11:16, 12:2, 12:3, 12:6, 15:11, 19:2, 20:16, 23:5, 23:16, 24:3, 24:5, 26:19, 27:14, 28:4, 28:20, 30:22, 31:9, 32:8, 32:12, 36:9, 36:23, 37:3, 38:4, 38:7, 39:19, 39:24, 40:9, 40:23, 41:2, 44:24, 47:23, 49:24, 55:21, 60:15, 62:9, 66:12, 69:11, 69:12, 72:17, 80:4, 80:7, 82:4, 86:11, 89:9, 92:20, 92:21, 93:3, 93:15, 94:10, 99:5, 99:10, 100:24, 101:2, 101:3, 112:15, 113:11, 116:13, 116:16, 124:9, 124:15, 127:8, 127:12, 127:21, 129:4, 129:6, 129:21, 129:23, 130:22, 131:4, 131:5, 131:12, 132:2, 132:7, 132:9, 133:9, 133:14, 134:2, 137:21, 140:15, 142:15, 142:24, 143:13, 144:12, 147:21, 147:23, 148:2, 148:6, 148:9, 149:9, 149:20, 150:4, 151:16, 156:19, 156:24, 157:7, 157:11, 157:24, 158:11, 158:12,

158:23, 159:3, 159:8, 159:12, 159:18, 159:21, 160:20, 161:13, 165:19, 170:11, 170:15, 170:18, 170:19, 170:23, 171:4, 171:6, 173:22, 174:2, 178:20, 181:10, 181:11, 182:21, 186:6, 186:20, 186:23, 187:4, 187:16, 188:12, 188:20, 189:4, 189:8, 190:13, 190:18, 191:2, 194:17, 197:7, 200:11, 202:24, 203:20, 207:3, 207:9, 207:13, 207:17, 208:9, 208:10, 208:12, 210:11, 210:13, 210:16, 211:15, 211:20, 211:23, 212:6, 212:23, 219:9, 220:3, 220:10, 230:6, 230:7, 231:5, 232:3, 232:5, 234:9, 236:12, 236:24, 238:13, 238:24, 240:8, 243:11, 245:5, 245:6, 245:8, 246:24, 251:7, 251:14, 251:16, 252:2
WIND [1] - 1:5
Wind [208] - 2:4, 7:21, 11:23, 14:12, 17:3, 21:8, 22:17, 23:10, 23:20, 23:22, 24:17, 25:13, 26:9, 29:4, 41:5, 41:18, 42:14, 45:13, 46:2, 47:4, 47:14, 48:7, 50:4, 50:16, 52:2, 52:11, 53:10, 55:4, 56:2, 56:17, 60:6, 60:8, 60:12, 61:13, 64:22, 65:6, 65:11, 65:13, 66:6, 70:9, 71:10, 71:14, 72:20, 73:16, 73:21, 74:7, 81:9, 82:2, 82:18, 83:5, 83:21, 84:8, 87:20, 88:5, 88:12, 95:3, 95:12, 96:10, 97:10, 97:20, 98:18, 99:15, 100:6, 100:10, 100:24, 101:9, 103:8, 104:3, 104:6, 104:7, 104:12, 104:19, 104:21, 104:23,

105:2, 105:9, 106:16, 106:18, 106:19, 106:23, 107:4, 107:15, 107:24, 108:5, 110:18, 111:18, 112:24, 113:9, 114:16, 114:20, 115:6, 115:18, 115:21, 116:9, 116:12, 116:22, 119:19, 119:22, 120:19, 121:17, 121:22, 124:14, 126:9, 126:14, 128:12, 130:18, 133:6, 136:9, 140:21, 140:23, 141:3, 141:10, 142:4, 142:5, 142:7, 142:8, 142:16, 142:18, 143:4, 143:9, 143:12, 144:17, 146:3, 146:24, 147:4, 148:21, 153:11, 154:22, 155:6, 156:18, 160:5, 163:4, 165:20, 166:3, 166:4, 167:8, 167:17, 167:23, 169:23, 171:11, 172:5, 173:6, 174:15, 175:4, 178:18, 179:18, 181:14, 182:4, 182:15, 187:4, 187:22, 188:6, 189:14, 192:16, 194:6, 194:11, 194:24, 196:10, 196:13, 196:24, 197:21, 198:16, 199:24, 205:7, 205:12, 207:4, 207:7, 208:8, 209:2, 209:8, 211:18, 219:5, 219:13, 220:5, 225:18, 226:13, 228:8, 230:16, 230:23, 232:2, 233:4, 233:9, 233:23, 234:2, 234:12, 235:6, 235:13, 235:15, 235:24, 239:8, 239:12, 239:19, 240:2, 240:6, 244:4, 245:10, 246:7, 246:17, 246:22, 247:24, 248:12, 248:13, 249:18, 252:15, 252:20

Wind's [10] - 26:7, 26:11, 29:4, 49:16, 91:5, 140:14, 141:17, 151:15, 157:21, 194:7
wind-generated [1] - 39:19
wind-tower [1] - 38:7
wind-turbine [1] - 44:24
windbag [1] - 195:15
windfall [1] - 33:22
windiest [1] - 169:6
windmill [5] - 30:23, 183:2, 183:4, 197:11, 226:9
windmills [12] - 79:20, 123:19, 133:17, 133:18, 165:5, 183:21, 183:24, 184:4, 220:11, 225:22, 228:4, 229:21
Windmills [2] - 94:15, 211:2
winds [5] - 22:14, 85:6, 134:22, 139:11, 226:16
Winds [1] - 112:16
Windstart [1] - 75:4
Windstop [1] - 167:12
winter [4] - 38:13, 58:2, 164:6, 194:4
wintertime [1] - 212:17
wipe [1] - 145:6
wipe-out [1] - 145:6
wires [1] - 93:6
wise [1] - 129:17
wish [4] - 23:23, 97:7, 205:6, 239:24
withstand [1] - 221:3
witness [1] - 192:8
witnessed [4] - 22:16, 25:12, 203:18, 241:7
Wives [1] - 133:8
woes [1] - 192:22
WOLF [1] - 96:15
wolf [1] - 2:17
Wolf [1] - 96:15
wolfs [1] - 2:18
woman [1] - 204:12
women [2] - 92:18, 103:11
women's [1] - 3:23
won [1] - 207:15
wonderful [1] - 129:17

WOOD [1] - 182:11
Wood [1] - 182:11
Woods [1] - 35:21
word [1] - 6:14
wording [1] - 103:7
words [5] - 99:20, 112:15, 131:12, 140:6, 244:17
workers [2] - 241:24, 247:23
works [4] - 86:6, 144:11, 161:11, 194:13
World [2] - 208:15, 230:11
world [33] - 62:8, 76:3, 78:24, 81:21, 86:6, 96:11, 131:20, 138:8, 138:21, 139:7, 142:14, 143:3, 160:20, 163:3, 166:21, 177:16, 186:9, 188:7, 193:4, 195:5, 201:17, 203:3, 203:10, 210:10, 214:14, 217:15, 222:22, 224:5, 234:19, 244:3, 245:14, 249:2, 252:17
world's [4] - 70:21, 173:19, 175:3, 192:21
worms [1] - 43:10
worried [3] - 115:16, 116:17, 116:20
worrisome [1] - 111:24
worry [1] - 238:19
worse [4] - 108:21, 109:14, 114:11, 193:19
worst [3] - 49:5, 84:14, 141:6
worth [1] - 160:8
worthy [1] - 190:21
wrap [1] - 87:6
wrapped [1] - 109:22
wrapping [1] - 247:6
wreaked [1] - 114:17
writing [4] - 44:9, 49:16, 51:23, 138:7
written [10] - 5:11, 50:13, 71:17, 71:23, 91:5, 102:10, 120:16, 172:2, 236:16, 248:4
wrote [5] - 138:24, 243:8, 244:11, 247:15, 248:8
WXTK [1] - 144:7

X	227:2, 227:4, 227:9, 228:20, 229:13, 231:12, 232:23, 233:22, 234:10, 234:11, 234:21, 245:2, 248:2, 249:6, 250:21
xylene [1] - 128:2	
Y	
Yacht [1] - 144:6 yard [8] - 93:15, 93:22, 111:23, 139:19, 158:7, 160:14, 192:20, 231:4 Yarmouth [13] - 11:3, 11:5, 22:9, 33:11, 103:19, 104:20, 176:5, 176:23, 177:2, 177:14, 178:9, 178:19, 199:16 year [35] - 47:18, 47:19, 58:16, 62:8, 62:9, 62:19, 62:20, 76:8, 80:14, 83:9, 93:2, 97:16, 115:24, 126:4, 132:22, 139:17, 140:4, 140:9, 147:24, 148:22, 159:16, 167:4, 170:16, 171:2, 180:13, 183:18, 198:23, 212:24, 226:11, 227:5, 237:7, 249:20 yearned [1] - 68:8 years [85] - 18:2, 22:15, 23:21, 25:11, 46:19, 53:11, 60:15, 69:9, 71:14, 71:22, 78:4, 78:10, 78:11, 80:13, 81:24, 82:18, 86:5, 86:16, 87:3, 93:9, 94:12, 97:5, 97:13, 97:21, 100:2, 100:9, 100:20, 101:21, 103:12, 112:4, 120:6, 131:3, 135:11, 135:16, 135:18, 140:9, 145:19, 151:11, 151:13, 151:14, 152:24, 154:21, 164:20, 166:24, 170:14, 170:17, 172:7, 176:19, 178:6, 179:14, 183:2, 187:19, 193:22, 194:14, 199:17, 201:24, 202:2, 204:7, 213:22, 213:23, 215:14, 216:18, 221:9, 222:10, 223:15, 225:19,	yellow [1] - 17:5 yesterday [1] - 61:6 yield [1] - 114:21 Yogi [1] - 99:21 York [4] - 75:15, 137:20, 139:17, 232:7 young [6] - 58:12, 176:11, 176:14, 237:24, 238:5, 249:19 YOUNG [2] - 173:13, 175:15 Young [1] - 173:14 yourself [1] - 162:6 Youth [4] - 106:12, 107:17, 107:21, 115:5 youth [6] - 106:15, 107:22, 152:12, 152:13, 153:5, 176:16
	Z
	zero [3] - 179:19, 179:20, 236:13 zone [1] - 50:10 Zone [1] - 141:14 zones [1] - 187:8 Zoning [1] - 45:15 zoning [4] - 41:6, 44:24, 45:12, 45:17 zoo [1] - 43:9