

PUBLIC INFORMATION MEETING

Vineyard Wind SEIS Public Meeting

Virtual Public Meeting Day 4

July 7, 2020

1:00 p.m.

1 P-R-O-C-E-E-D-I-N-G-S

2 CHRISTINE DAVIS: Hello, everyone. I want to
3 thank you for joining us today.

4 As mentioned, I'm Christine Davis, and I'm
5 with ERM, the third-party contractor working with
6 the BOEM staff on the Environmental Review on the
7 Vineyard Wind 1 Project. I'm here today to help
8 facilitate and guide you through this meeting. We
9 appreciate you taking time to share your thoughts
10 with us.

11 So the purpose of today's meeting is to
12 gather your input on Vineyard Wind's proposed
13 Offshore Wind 1 Project and, more specifically, on
14 the supplement to the draft Environmental Impact
15 Statement. Your input will be used to refine and
16 finalize the final Environmental Impact Statement
17 on this project.

18 As such, we are recording; we have court
19 reporters documenting the meeting for the public
20 record.

21 We've learned that some might want to ask
22 questions right away, so please note, for those of
23 you on Zoom, we'll use the Q & A function to
24 address questions and the chat function to address

1 technical issues. We'll talk more about Zoom in
2 just a few minutes, but again, Q & A for
3 questions, chat function for technical issue.

4 Before we go any further, I'd like to welcome
5 Jim Bennett. Jim is the Program Manager of the
6 Office of Renewable Energy Program at the Bureau
7 of Ocean Energy Management, or BOEM, as we'll
8 refer to it throughout the meeting. Jim will
9 formally welcome everyone to today's meeting.

10 Jim?

11 JIM BENNETT: Thank you, Christine.

12 Good afternoon, everyone. On behalf of the
13 Department here, thank you for joining us for
14 today's public meeting. Again, my name is Jim
15 Bennett, and I am the Program Manager for the
16 Bureau of Ocean Energy Management's, or BOEM's,
17 offshore renewable energy program.

18 It is unfortunate that we can't be together
19 in person today, as public meetings are one of the
20 best mechanisms for us to gather information. But
21 I hope you and your families and friends are all
22 safe and healthy given our current situation.

23 On the other hand, we are fortunate to have
24 technology that allows us to create effective

1 alternatives to the in-person public meetings.
2 Our team has put together a system that will
3 enable us to continue this dialogue in this new
4 virtual format to help inform our decisions.

5 So who are we? First off, BOEM is the
6 federal bureau within the Department of the
7 Interior that oversees the expeditious and orderly
8 development of the energy resources on the Outer
9 Continental Shelf. That's almost 2.5 billion
10 acres of land on the Outer Continental Shelf, or
11 OCS. It's very significant, because it's slightly
12 more area than the total landmass of the United
13 States including Alaska.

14 It is a big job. And BOEM has a strong
15 history of meeting our nation's growing energy
16 needs. Our responsibilities include the
17 development of renewable energy as well,
18 essentially offshore wind.

19 Our authority was established in 2005 through
20 the OCS Lands Act, the Energy Policy Act of 2005.
21 And in 2009, we put a regulatory regime together
22 to pursue offshore wind. Over the past 10 years,
23 we have been working with the states with
24 stakeholders, industry, and the public to identify

1 the best areas of offshore wind development. To
2 date, we have 16 active leases on the Atlantic,
3 from Cape Cod to Cape Hatteras. Every state has
4 at least one federal OCS lease. The potential is
5 for 22 gigawatts of electricity to contribute to
6 the state goals of almost 30 gigawatts in their
7 region.

8 For these leases, we've approved 10 site
9 assessment plans, and we're currently reviewing
10 seven Construction and Operations Plans. These
11 are called SAPs and COPs and they are both formal
12 steps in our regulatory process to go from
13 offshore leasing to the generation of electricity.

14 In addition, we anticipate receiving another
15 eight COPs over the past 12 -- next 12 months.
16 We've hired new staff and we're using third-party
17 contractors to help manage this growing workload.
18 So there's a lot going on.

19 In addition, our first deal in the water for
20 the OCS has just occurred in the past few weeks
21 with -- with the Coastal Virginia Offshore Wind
22 Project or CVOW, and we anticipate a dozen or more
23 commercial-scale wind farms during the coming
24 decade. We also anticipate additional leasing of

1 the Atlantic with interest in the Gulf of Maine,
2 the New York site and the Carolinas.

3 Most importantly, we want to make sure we --
4 we do these projects, right. Our objective is to
5 ensure that offshore wind, commercial fishing,
6 maritime navigation and other uses of the -- of
7 the ocean can all be pursued successfully. This
8 does not mean that there won't be any impacts.
9 There will be impacts. But our goal is that all
10 users can successfully coexist.

11 Our task is to obtain the best available
12 information, conduct sound scientific and
13 environmental analysis, estimate impacts, and
14 identify appropriate mitigation. This will allow
15 us to establish a strong foundation for all
16 projects going forward. These public meetings are
17 an opportunity for you to help meet this goal, and
18 we want to hear from you to that end, particularly
19 with regard to the Vineyard Wind Project.

20 Vineyard Wind is the first commercial
21 offshore wind project analyzed under the One
22 Federal Decision process. We have worked through
23 this process for the first time, we've adapted our
24 initial approach, which we believe will allow the

1 permitting of future projects to run more
2 smoothly. BOEM has received over 300 comments
3 from stakeholders and cooperating agencies on the
4 draft Environmental Impact Statement or draft EIS.
5 Some of these requested a more robust analysis of
6 cumulative impacts.

7 As a result, on Friday, June 12, we formally
8 released a supplement to the draft -- the draft
9 Environmental Impact Statement for the proposed
10 Vineyard Wind Offshore Energy Project. The
11 supplement to the draft EIS expands the reasonably
12 foreseeable future offshore wind development
13 scenario and analyzes the effects of that
14 scenario. The supplements of the draft also
15 analyzes previously unavailable fishing data, a
16 transit lane alternative proposed by the fishing
17 community, and changes to the Construction and
18 Operations Plans that have occurred since the
19 draft Supplemental Impact Statement was published.

20 These updates were a direct result of
21 comments we received from numerous stakeholders
22 including state and local governments, federal
23 agencies, industry and the public. This enhanced
24 analysis will serve as a model to review future

1 projects. That's why it's vitally important for
2 decision-making that you all carefully review the
3 supplement to the draft EIS and provide us your
4 comments.

5 We are making every effort to hear from you.
6 This is one of five public -- virtual public
7 meetings that we will be holding throughout the
8 open comment period. Your input will help the
9 Department of the Interior and BOEM meet our goal
10 of getting this right.

11 This (indiscernible) permitting process
12 minimizes user conflicts and establishes a strong
13 foundation for wind projects moving forward.

14 Thank you and stay well.

15 I'd like to welcome now a representative from
16 the State of Massachusetts. So let me turn this
17 over to Lisa Engler, the Director of the
18 Massachusetts Office of Coastal Zone Management.
19 Thank you.

20 LISA ENGLER: Thank you, Jim.

21 Good afternoon everyone. Again, my name is
22 Lisa Engler, and I'm the Director for the
23 Massachusetts Office of Coastal Zone Management.
24 And on behalf of Energy and Environmental Affairs

1 Secretary Kathleen Theoharides, we are pleased to
2 welcome the Bureau of Ocean Energy Management for
3 today's public meeting on the supplement to the
4 draft Environmental Impact Statement for the
5 Vineyard Wind 1 Project.

6 Joining me from fellow Massachusetts agencies
7 are Nils Bolgen from the Massachusetts Clean
8 Energy Center, and John Logan from the
9 Massachusetts Division of Marine Fisheries. We
10 are looking forward to the presentations and the
11 opportunity to hear your comments and input to the
12 federal review process for the Vineyard Wind
13 Project.

14 Global climate change presents a serious
15 threat to the Commonwealth environment -- the
16 environment, its residents, communities and
17 economy. Governor Baker has expressed the need
18 for action, stating the magnitude of the impact
19 from climate change requires all of us to put
20 politics aside and act together quickly -- quickly
21 and decisively. We still have the opportunity to
22 check the severity of future impacts by
23 aggressively reducing greenhouse gas emissions and
24 adapting to the changes that are ongoing.

1 With the 2008 Global Warming Solutions Act,
2 Massachusetts became one of the first states in
3 the nation to require carbon emission reductions
4 of at least 80% below 1990 levels by 2050, with
5 interim targets every decade. We are on track to
6 meet our 2020 goal of 25% reduction from 1990.

7 In addition, in December of last year,
8 Governor Baker committed the Commonwealth to net
9 zero emissions by 2050. Meeting these targets
10 will include efforts and commitments by the public
11 and the private sector, and will require changes
12 to business as usual. Responsibly cited,
13 developed and operated offshore wind will be key
14 to meeting these carbon emission reduction
15 targets.

16 For more than a decade, we have worked
17 closely with our federal, state, local and tribal
18 partners through BOEM's intergovernmental task
19 force on offshore energy in the planning, siting,
20 leasing and review of potential offshore wind
21 projects on the Outer Continental Shelf. We have
22 also worked closely with stakeholders through
23 state-formed fisheries and habitat working groups
24 on offshore wind, and in community-based meetings

1 and discussions.

2 The fishing industry is a critical partner in
3 the development of offshore wind, and we value the
4 opportunity to use these venues for important
5 dialogue and feedback in the responsible
6 development of offshore wind.

7 Under Governor Baker's leadership, the Energy
8 Diversity Act was passed in 2016 to allow for the
9 solicitation of 1600 megawatts of offshore wind.
10 This led to the successful procurement of the
11 Vineyard Wind 1 Project in 2018, which will result
12 in significant greenhouse gas production at a
13 highly competitive price.

14 Massachusetts has continued to lead the
15 development of the offshore wind market in the
16 U.S., and in 2018, passed additional legislation
17 that doubled the amount of offshore wind energy
18 solicitation to 3200 megawatts. The development
19 of the offshore wind market will lead to
20 substantial economic development in the
21 Commonwealth and in the region, bringing necessary
22 clean energy that will provide significant
23 greenhouse gas emission reduction.

24 The Federal National Environmental Policy Act

1 review process led by BOEM is a critically
2 important component in our collective
3 responsibility to avoid, minimize and mitigate
4 potential adverse effects. And in the case of the
5 Vineyard Wind 1 Project, the SEIS has provided a
6 broader substantive basis for reviewing the
7 project within the context of other offshore wind
8 development. The cumulative analysis included as
9 SEIS ensures that potential impacts beyond this
10 individual project are included and evaluated.

11 In parallel to the BOEM review, the Vineyard
12 Wind 1 Project was also reviewed by state agencies
13 including the Massachusetts Department of
14 Environmental Protection, the Energy Facility
15 Siting Board, the Massachusetts Environmental
16 Policy Act Office, the Department of Public
17 Utilities and the Massachusetts Office of Coastal
18 Zone Management. This Massachusetts State review
19 has been completed.

20 Thank you all for virtually joining us today.
21 Your participation is so important as we continue
22 to work with agencies, stakeholders and local
23 communities in the review of the BOEM commercial
24 leasing construction and operations process.

1 And with that, I'll turn it back over to
2 Christine.

3 CHRISTINE DAVIS: Thank you, Lisa.

4 Looking at the agenda, now BOEM will provide
5 a project overview and discuss the environmental
6 review process and the next steps. We'll open the
7 meeting for public testimony probably in about a
8 half hour or so, and then we'll close by answering
9 questions.

10 As a reminder, the focus of today's meeting
11 is to receive public comments, so we'll spend the
12 bulk of our time together on that agenda item.
13 Everyone who would like to provide comments today
14 will need to press Star 1 and speak with the live
15 operator to get in the queue. Even if you've
16 preregistered, you'll need to press Star 1.

17 Please note that it might take the operator a
18 little bit to get to you so please be patient.
19 Again, the steps for everyone who wants to speak,
20 those who have preregistered, those who are on the
21 phone, on Zoom, please press Star 1 and ask -- and
22 wait to speak to the live operator. If you've not
23 already done so, you can do so now or at any time
24 prior to the public comment.

1 So that we can provide as many interested
2 parties as possible the opportunity to provide
3 public comments, we ask that you keep your
4 comments to about five minutes. You're not going
5 to be on camera today, but your voice will come
6 through on the phone. So only the BOEM, ERM
7 presenters and I will be on video today. So
8 please note that all oral comments and comments
9 that are in the Q & A and other places will be
10 provided on the record, and the entire meeting is
11 being recorded.

12 So let's go to the next slide, please, and
13 let's talk a little bit about Zoom for those of
14 you that are on Zoom.

15 So as you've heard me refer to the Q & A and
16 chat functions. We're going to be using Q & A for
17 questions and chat for technical issues. Those of
18 you that are online should be able to see those
19 icons at the bottom of your screen. If you click
20 on the Q & A icon, you'll see a box pop up for you
21 to type in a question. We'll answer the bulk of
22 the questions at the end of the public testimony
23 meeting to make sure that we have enough time for
24 public comments.

1 Some of the questions that have short answers
2 we might address right away, but for most others,
3 we'll have subject matter experts who are
4 listening in and looking at that Q & A box ready
5 to respond in person later in the meeting. Don't
6 be alarmed if you don't see your question right
7 away. The questions will show up as they answer
8 them verbally during that Q & A session towards
9 the end of our time together.

10 And as briefly noted, please only use the
11 Zoom chat to notify us of a technical issue. Later
12 on, we'll use the Zoom chat in order to handle the
13 public comment period. I'll address that when we
14 get closer to that time.

15 And attendees will only use the raise-hand
16 function if we call on you.

17 So if at any time you have technical
18 challenges using Zoom, please know that you can
19 continue to participate by phone at 1-888-606-7043
20 using the participant code 6516733#.

21 So if you want to give public testimony and
22 have not already done so please press Star 1 and
23 speak to our live operator to get in the queue.
24 Regardless of whether or not you signed up to

1 speak, or you're preregistered, or you're just
2 deciding right now, please press Star 1 and give
3 the operator a little bit of time to get to you
4 and get you in the queue.

5 So does anyone have any questions
6 specifically about Zoom or the phone that you'd
7 like to address at this time? We can go to the
8 Q & A box or press Star 1 to speak to the
9 operator.

10 Pause for just a moment to see if we have
11 anything? Isis, I think we're good. Yes?

12 ISIS FARMER: Yep, looks like we're good.

13 CHRISTINE DAVIS: Okay. So at this point,
14 I'm going to turn it over to Jenn Bucatari from the
15 Bureau of Ocean Energy Management. Jenn will
16 explain the environmental review process -- process
17 and provide an overview of the Supplement to the
18 draft EIS. Her presentation will begin the public
19 testimony. And as a reminder, to sign up for
20 public comments later in this meeting, please press
21 Star 1 and wait for that operator to get to you and
22 be patient. I know we've got quite a few people
23 that are interested in speaking today.

24 So with that, I'm going to turn it over to

1 Jenn.

2 JENNIFER BUCATARI: Thanks, Christine.

3 Hello everyone, and welcome to the Vineyard
4 Wind Supplement to the draft Environmental Impact
5 Statement, also known as the SEIS virtual public
6 meeting.

7 As Jim mentioned, BOEM is the Federal Bureau
8 within the Department of Interior that oversees
9 development of our energy and mineral resources,
10 subject to environmental safeguards. We cover the
11 nearly 2.5 billion acres in the nation's Outer
12 Continental Shelf, or OCS, as you'll hear us refer
13 to it, including the development of marine
14 minerals, oil and gas, and renewable energy
15 resources.

16 We appreciate your participation in this
17 meeting and look forward to hearing your comments
18 following the summary presentation.

19 As Christine mentioned, my name is Jennifer
20 Bucatari, and I'm one of the environmental
21 coordinators on this project.

22 To the greatest extent possible, we are
23 working to maintain services to the American
24 people and our stakeholders consistent with

1 evolving guidance provided by CDC, state and local
2 health authorities. As such, we're moving forward
3 with our public meetings in a virtual environment
4 in order to provide this information to our public
5 in the safest and most efficient way possible, and
6 to still receive the feedback from our
7 stakeholders.

8 These public meetings, while virtual, are an
9 opportunity for public involvement and an
10 opportunity to provide comments on the
11 Supplemental EIS.

12 BOEM has developed a virtual meeting room web
13 page. The address is seen here at the top of the
14 slide. You have likely visited this page to
15 register; but either way, we encourage you to
16 explore this page more and any additional content
17 that we have there.

18 This content includes posters and
19 presentations to mimic what would be the stations
20 that we normally have at an in-person meeting. The
21 posters seen here on this slide relay a brief
22 summary of important topics to our stakeholders.
23 On this slide, you see the presentations that we
24 have on the virtual meeting room web page.

1 These are summaries of impacts, several key
2 topics, or resources. The presentations were
3 developed and recorded by the BOEM subject matter
4 expert, or SME, who also developed the
5 Supplemental EIS impact analysis for this
6 resource.

7 The National Environmental Policy Act, or
8 NEPA, is a law requiring federal agencies to
9 assess the environmental effects of their proposed
10 action and reasonable alternatives. The NEPA
11 process collects relevant information for the
12 decision-makers to either approve, approve with
13 conditions, or disapprove the plan.

14 Through the NEPA process, an EIS must be
15 prepared if an agency is proposing a major federal
16 action that may significantly affect the quality
17 of the human environment. The purpose of the
18 analysis is to outline the impact of a proposed
19 project on its surrounding environment. The
20 process also includes public scoping, public
21 comment period, an analysis of reasonable
22 alternatives and of cumulative effects.

23 BOEM's renewable energy, leasing and
24 development process occurs in four phases. The

1 Vineyard Wind 1 Project is in the fourth phase,
2 which includes conducting an environmental review
3 of the lessee's Construction and Operations Plan,
4 or COP.

5 The draft EIS was published for public review
6 in December of 2018, and a supplement to that
7 draft EIS, the Supplemental EIS that we're talking
8 about here, was published on June 12, 2020.

9 The Vineyard Wind 1 proposed project location
10 is seen here, and it's 12 nautical miles at its
11 nearest point to land. The project is situated
12 southeast of Martha's Vineyard. The proposed
13 cable landfalls are in two locations on Cape Cod,
14 Lewis Bay, or New Hampshire Avenue.

15 A brief background on the project is
16 presented here. The development of the
17 Supplemental EIS began following public hearings
18 that were held in February of 2019. Comments from
19 the public and stakeholders requested an expanded
20 cumulative analysis and an analysis of fishing
21 data previously unavailable to BOEM. In addition,
22 updates were made to the Construction and
23 Operations Plan by Vineyard Wind on January 31st,
24 2020, and on March 9th, 2020. BOEM developed the

1 Supplemental EIS to address comments from the
2 public and stakeholders to expand the cumulative
3 analysis, to analyze previously unavailable
4 efficient data on new alternatives and project
5 changes.

6 As mentioned, in January and March of 2020
7 Vineyard Wind submitted updates to the
8 Construction and Operations Plan, which included
9 changes to the project envelope and onshore
10 substation. The updates included an expansion of
11 the turbine capacity to include up to 14 megawatt
12 turbines. The total project capacity remains at
13 800 megawatts. And the change to the turbine
14 capacity does not result in a change to the
15 footprint or to the minimum turbine capacity,
16 which is 8 megawatts.

17 The proposed project includes up to 106 wind
18 turbine locations with up to 100 wind turbines.
19 Up to 12 jacket foundations maybe used, 10 for the
20 turbine foundations and up to two for the
21 electrical service platform. Any remaining
22 foundations would be monopile.

23 Vineyard Wind also submitted changes to the
24 onshore substation. For the expanded onshore

1 substation, the total approximate area of ground
2 disturbance would be 7.7 acres, which is 1.8 acres
3 greater than the area analyzed in the draft EIS.

4 The notice of availability for the
5 Supplemental EIS was published on June 12, 2020,
6 in the Federal Register. We are holding a series
7 of five virtual public meetings, as seen here. The
8 comment period will close after 45 days, on July
9 27, 2020.

10 For any additional project related info,
11 please see the project website, seen here at the
12 bottom.

13 To be most helpful, comments should be as
14 specific as possible. A substantive comment
15 discusses the accuracy of the information in the
16 document; suggests alternate methodologies and the
17 reasons why they should be used; provides new
18 information relevant to the analysis; identifies a
19 different source of credible research, which if
20 used in the analysis, could result in different
21 effects; or provides clarification, when needed.

22 The table on this slide outlines some notable
23 sections of the Supplemental EIS including where
24 you can find more information about the

1 environmental analysis, the cumulative impact
2 scenario, the project design -- design envelope
3 and the status of environmental consultation.
4 While the Supplemental EIS includes analysis of
5 the direct and indirect impacts of the proposed
6 project, the focus of the supplement is on the
7 expanded cumulative impact scenario, the new
8 alternatives and information that has been changed
9 or become available since the issuance of the
10 draft EIS in 2018.

11 This inverted triangle represents the
12 different levels of reasonably foreseeable
13 development we considered in the cumulative
14 scenario.

15 A bar usually encompasses the bar below it,
16 but the lower bars will often be duplicative
17 rather than additive. For example, Vineyard Wind
18 1 is already included within that 5.4 gigawatts of
19 Construction and Operations Plan submitted or
20 approved, which is the second from the bottom.

21 The previous standards for the scope of
22 reasonably foreseeable offshore wind development
23 was based on projects permitted. Then we added to
24 this projects entering the construction permitting

1 process. This time, we began by examining the
2 greatest number of possible projects and then a
3 limited -- and eliminated offshore development
4 that would be unreasonable to consider based on
5 lack of state demand or technical inability.

6 The top bar is the total Atlantic offshore
7 wind technical resource potential. This bar
8 represents how much wind energy is available on
9 the Atlantic Outer Continental Shelf with present
10 technology. Such a build-out is not only
11 materially and physically impossible, but also the
12 amount of energy exceeds the demand of the entire
13 Eastern United States; thus, this level was not
14 determined to be reasonably foreseeable.

15 The second bar down is the technical resource
16 potential of the Atlantic Call Wind Energy and
17 lease areas. Call areas are areas that have not
18 been leased and are still being evaluated for
19 whether they are suitable to be offered for lease.
20 There is no guarantee that such areas will make it
21 to the leasing stage; therefore, evaluating
22 construction on them is premature, and this level
23 of development was not considered reasonably
24 foreseeable at this time.

1 The third bar down is state capacity
2 commitment. While the tier system in the draft
3 EIS looked at development from a regulatory and
4 projects perspective, in this scenario, we examine
5 future projects from a state demand perspective.
6 This number has grown over the last several
7 months, and it's currently at about 29 gigawatt --
8 gigawatts with recent additional commitments from
9 New Jersey. This exceeds the technical resource
10 potential of existing Atlantic leases with
11 existing technology and includes New York
12 commitments that have been made in anticipation of
13 future leasing occurring; therefore, this level of
14 development was deemed not reasonably foreseeable
15 at this time.

16 The fourth bar from the top is the technical
17 resource potential of existing Atlantic leases.
18 State capacity commitments are not evenly
19 distributed along the coast and, perhaps
20 surprisingly, are not tied to the existing
21 available lease capacity within transmission
22 range. For example, the state capacity of
23 commitments of New York and New Jersey exceed the
24 technical resource potential of leases within the

1 transmission range for those two states. Also,
2 there are going to be conflicts within the lease
3 areas, such as cultural -- cultural sites,
4 historical sites, essential fish habitat and
5 navigation that will make developing the entire
6 technical lease potential/resource potential of
7 existing Atlantic leases impossible; therefore,
8 this level of development is not considered
9 reasonably foreseeable.

10 The fifth bar from the top and all those that
11 follow below make up our reasonably foreseeable
12 cumulative scenario. This includes any projects
13 with awarded offtake, any projects that have
14 entered or announced their intention to enter the
15 permitting process, and of course, any approved
16 projects. Basically, if a project has a name,
17 then it is included.

18 After considering all projects with awards,
19 Construction and Operation Plans, or that have
20 been announced, there's still some state capacity
21 left over that has not been awarded. This
22 potential for additional future development beyond
23 named projects is also accounted for in analyzing
24 this scenario.

1 If you would like additional information on
2 the cumulative scope, or to hear this presented
3 again, please visit the virtual meeting room web
4 page to listen to a presentation on this subject.

5 Alternative A, the proposed action
6 alternative, is the construction, operation,
7 maintenance and eventual decommissioning of an up
8 to 800 megawatt wind energy facility on the Outer
9 Continental Shelf. Offshore Massachusetts, within
10 the proposed project area and associated export
11 cables, would occur within the range of design
12 parameters outlined in the Vineyard Wind
13 Construction and Operations Plan, subject to
14 applicable allocation measures.

15 Here we have the other action alternatives
16 and the no-action alternative. Alternative C, the
17 Covell's Beach cable landfall alternative,
18 excludes the New Hampshire Avenue landfall
19 location and could potentially reduce impacts on
20 environmental and socioeconomic resources.

21 On June 26th, 2020, Vineyard Wind informed
22 BOEM that they are no longer pursuing the New
23 Hampshire Avenue landing site. While the New
24 Hampshire Avenue site was included in the

1 Construction and Operations Plan, Vineyard Wind
2 has obtained all of the state and local permits
3 necessary to bring the cable onshore at the
4 Covell's Beach landing site.

5 Alternative C excludes surface occupancy in
6 the northernmost portion of the proposed project
7 area to potentially reduce impacts from the
8 proposed project and to reduce potential conflicts
9 with existing ocean use, such as marine navigation
10 and commercial fishing.

11 Alternative B-1 would require a minimum of
12 one-nautical-mile-by-one-nautical-mile spacing
13 between wind turbine generators and the lanes
14 between them. This alternative would potentially
15 reduce conflicts with existing ocean users, such
16 as commercial fishing and marine navigation.

17 Alternative B-2 would require a layout and
18 east-west orientation. And all of the turbines in
19 the east-west direction would have a minimum
20 spacing of one nautical mile between them to allow
21 for vessels to travel between turbines and to
22 reduce conflicts with existing ocean users, such
23 as commercial fishing.

24 Alternative E reduces the project size no

1 more than 84 turbines. This alternative would
2 potentially reduce impact on existing ocean users
3 and on environmental resources due to fewer
4 foundations.

5 Alternative F is our new -- new alternative.
6 This would include a vessel transit lane through
7 the wind development area in which no surface
8 occupancy would occur. Any turbines presently
9 planned for this area would be moved further south
10 in the wind development area. This alternative
11 could potentially facilitate transit of vessels
12 through the project area from Southern New England
13 Port to fishing areas on Georges Bank.

14 Alternative G is the no-action alternative.
15 In this alternative, the proposed project would
16 not be approved and any potential environmental
17 and socioeconomic costs and benefits associated
18 with the proposed project would not occur.
19 However, impacts from reasonably foreseeable
20 future offshore wind and nonwind related
21 activities could still occur. This alternative is
22 required to be analyzed under NEPA.

23 Since the draft EIS was published, a new
24 alternative has been added and analyzed in the

1 Supplemental EIS. Alternative F, the vessel
2 transit lane alternative, includes a new vessel
3 transit lane in response to the January 3rd, 2020,
4 Responsible Offshore Development Alliance, known
5 as RODA, layout proposal.

6 The RODA proposal includes six total
7 designated transit lanes, each at least four
8 nautical miles wide, as seen in the -- as seen in
9 this figure here. Although the proposal includes
10 six total transit lanes, only one intersects with
11 the Vineyard Wind Project area, as shown in this
12 figure. As mentioned, the purpose of the proposed
13 northwest-southeast transit corridor would be
14 mainly to facilitate vessel transits from Southern
15 New England Port, primarily New Bedford, to
16 fishing areas on Georges Bank.

17 The transit lane would have no occupancy, and
18 therefore, the turbines that would have occurred
19 in these areas would not be eliminated, but
20 instead, the displaced turbines would be shifted
21 south within the Vineyard Wind's lease area.

22 The layout shown in this figure, which is
23 also in Appendix A, as in apple, .7-17, is for
24 illustrative purposes only and does not guarantee

1 that the positions identified by the black dots
2 are buildable.

3 The layout is based on all developer
4 agreements for east-west orientation in
5 one-nautical-mile-by-one-nautical-mile spacing.
6 The positions -- the positions shown do not
7 necessarily represent future turbine location.
8 The intent of this figure is to show the potential
9 displacement of turbines if all six transit lanes
10 were to occur.

11 The turbine locations within the pale yellow
12 lanes may not be utilized.

13 Under the current cumulative scenario,
14 displacement of all of these turbine locations was
15 not feasible; and therefore, the additional six
16 transit lanes would lead to the elimination of
17 some of the turbines that could have occurred
18 within these lanes.

19 Our impact analysis includes biological,
20 physical and socioeconomic resources, as seen
21 here. The subject matter experts that analyze
22 impacts to these resources are also on this
23 webinar and will answer your questions later on in
24 the meeting.

1 These same resources are also seen in the
2 summary table found in the executive summary of
3 the Supplemental EIS. This table summarizes the
4 overall direct and indirect and the overall
5 cumulative impact level for each resource.

6 The following five slides has the summaries
7 for additional resources not seen here on this
8 slide.

9 I will discuss the impact levels for specific
10 resources in more detail in a few slides but
11 wanted to orient you to the table and some key
12 elements in the analyses here.

13 More detailed analyses and impact levels for
14 future offshore wind activities may be found for
15 each resource in Chapter 3, and in the tables and
16 Appendices A, as an apple, and B, as in boy.

17 The color coding and the table indicates if
18 the highest impact level is minor, moderate or
19 major, with green being minor, yellow moderate,
20 and orange major. You can find the definitions of
21 the impact levels in Table 1.2-3 in Appendix B, as
22 in boy, of the Supplemental EIS.

23 In addition, there is a poster on the project
24 virtual meeting room web page which details the

1 impact level definition.

2 For resources with an indirect and direct
3 impact level of negligible or minor, the impact
4 analysis has been moved to Appendix A, as in
5 apple. This was done to meet the page limit goals
6 outlined in the Department of Interior Secretary
7 Secretarial Order 3355.

8 To understand the cumulative impact for each
9 resource, BOEM analyzed the effects of the
10 no-action alternative, which includes baseline
11 conditions, ongoing activities of all types, and
12 future offshore activities other than wind. We
13 then followed this with an analysis of future
14 offshore wind activities and the potential
15 cumulative effects of the proposed action and
16 action alternatives.

17 Resource impact levels seen here includes
18 terrestrial and coastal fauna, coastal habitat,
19 benthic resources, finfish, invertebrates, and
20 essential fish habitats.

21 Additional resource impact levels seen here
22 include marine mammals, sea turtles, demographics,
23 employment and economics, and environmental
24 justice.

1 We've talked about notable differences
2 between alternatives and future slides.

3 Resource impact levels seen here include
4 cultural, historical, and archaeological
5 resources, recreation and tourism, and commercial
6 fisheries and for-hire recreational fishing.

7 Resource impact level same here include land
8 use and coastal infrastructure, and navigation and
9 vessel traffic.

10 Resources seen here include -- is our other
11 uses category, which includes research and
12 surveys, military and national security, aviation
13 and air traffic, cable and pipeline and radar
14 system.

15 Resources seen here include air quality,
16 water quality, birds and bats. All of these
17 resources are included in Appendix A, as in apple.

18 Now we will discuss the direct and indirect
19 impacts of the proposed actions.

20 As summarized in the executive summary table,
21 and assessed in detail in Chapter 3 of the
22 Supplemental EIS, BOEM determined that for most
23 resources, direct and indirect impacts were
24 negligible to moderate with some major short- and

1 long-term impacts.

2 The proposed action or certain action
3 alternatives could have major direct or indirect
4 impact on environmental justice communities and on
5 other uses. The following major impacts to these
6 resources were anticipated:

7 Major direct impacts on environmental justice
8 communities could occur from the proposed action
9 and alternatives other than B, the Covell's Beach
10 landfall alternative; F, the vessel transit lane
11 alternative; and then no-action alternative, which
12 is G.

13 The placement of cable and maintenance within
14 Lewis Bay associated with the New Hampshire Avenue
15 landfill site would lead to potential effects on
16 vessel traffic and to environmental justice
17 populations that rely on subsistence fishing or
18 employment and income from Marine businesses.
19 This impact would lessen to moderate under
20 Alternative B, the Covell Beach landfall
21 alternatives, which would exclude the use of the
22 New Hampshire landfall location.

23 As mentioned on the alternative slide, Slide
24 18, Vineyard Wind is no longer pursuing the use of

1 the New Hampshire Avenue landfall location.

2 Alternative F, the vessel transit lane
3 alternative, leads to lower direct and indirect
4 impacts for environment -- environmental justice
5 due to reduced impacts related to allisions and
6 collisions from the presence of a transit lane.
7 The reduced risk of collisions or allisions would
8 lessen the impacts on marine businesses and also
9 on the low-income workers employed in these
10 industries. By reducing impacts on these
11 business -- businesses, Alternative F would have a
12 smaller incremental impact on environmental
13 justice population although these impacts would
14 remain negligible to moderate.

15 The direct and indirect impacts for other
16 uses was determined to be major for scientific
17 research and surveys for the proposed action and
18 all action alternatives. The placement of
19 structures within the wind development area posed
20 a navigational hazard to survey aircraft and
21 vessels and restricts access to survey locations.
22 This would impact the statistical -- statistical
23 design of surveys and cause a loss of information
24 leading to major impacts.

1 An analysis of other resources -- resource
2 areas -- areas listed here found that direct and
3 indirect impacts had minor to moderate beneficial
4 impacts from the proposed action and action
5 alternatives.

6 Here we will discuss the cumulative impacts
7 of the proposed action, in addition to ongoing
8 activities, future offshore nonwind activities,
9 and future offshore wind activities. For most
10 resources, cumulative impacts were minor to
11 moderate with some major short- and long-term
12 impact.

13 Major cumulative effects could occur to
14 commercial fisheries and for-hire recreational
15 fishing for the proposed action and all action
16 alternatives. Here, the impact rating is driven
17 mostly by changes due to fish distribution and
18 availability associated with climate change;
19 reduced stock levels through the fishing
20 mortality; and permanent impacts due to the
21 presence of structures, such as cable protection
22 measures and foundations from offshore wind
23 activities.

24 Major cumulative impacts on navigation could

1 result, as -- it could occur as a result of the
2 presence of structures which increase the risk of
3 collisions and allisions under the proposed action
4 and all the alternatives with the exception of
5 D-2, the east-west and
6 one-nautical-mile-turbine-layout alternative; F,
7 the vessel transit lane alternative, with D-2; and
8 the no-action, which is G.

9 The impact level becomes moderate under D-2,
10 with a one-by-one-nautical-mile uniform grid
11 layout; and under Alternative F, the vessel
12 transit lane alternative when paired with D-2, due
13 to the large spacing between structures and the
14 regular layout.

15 Major cumulative impacts on scientific
16 research and surveys, as mentioned on the previous
17 slide under other uses, would -- could occur as a
18 result of the proposed action and all action
19 alternatives due to the presence of structures
20 which could hinder our surveys within the project
21 area. This is similar to the direct and indirect
22 impacts from the previous slides but greater in
23 magnitude due to the cumulative scenario.

24 In addition, there would be major cumulative

1 impacts on military and national security uses as
2 a result of the proposed action and action
3 alternatives other than D-2, the east-west and
4 one-nautical-mile-turbine layout; and alternative
5 F, the vessel transit land alternatives when
6 paired with D-2 due to navigational complexity
7 from structure presence, which would increase the
8 difficulty to conduct the search-and-rescue
9 operations.

10 The major impact goes down to moderate for
11 search-and-rescue operations under Alternative
12 D-2; or Alternative F, when paired with D-2, due
13 to the uniform grid in D-2; or the vessel transit
14 lane with uniform grid, which would be Alternative
15 F with Alternative D-2.

16 There are also some minor and beneficial
17 cumulative impacts primarily to coastal, to
18 recreation and tourism, land use and coastal
19 infrastructure, and demographics, employment and
20 economics.

21 This is the proposed schedule that is on the
22 permitting dashboard. However, that schedule
23 could change based on comments received. For
24 example, if someone identifies a significant issue

1 that we did not consider in the draft EIS or
2 Supplemental EIS, it requires new analysis.

3 There are also ongoing consultations
4 including the Endangered Species Act, the Marine
5 Mammal Protection Act, the National Historic
6 Preservation Act and the Manguson Fishery
7 Conservation and Management Act consultation.
8 These need to be completed prior to the signing of
9 the record of decision.

10 BOEM is working with agencies to incorporate
11 the new project changes into existing
12 consultation. Additional details with ongoing and
13 completed consultations may be found in Appendix
14 C.

15 BOEM's Vineyard Wind's web page includes a
16 variety of informative documents including
17 Vineyard Winds Construction and Operations Plan,
18 copies of the draft EIS and the Supplemental EIS,
19 and a large-print copy, a large-font copy of the
20 Supplemental EIS, and a link to the virtual
21 meeting room web page.

22 As mentioned within the virtual meeting room
23 web page, you'll find the aforementioned posters
24 and presentations, along with additional posters

1 and presentations, like how to comment.

2 Thank you for your attendance and
3 participation today. We look forward to your
4 comments And your questions. And with that, I'll
5 hand it back to Christine.

6 CHRISTINE DAVIS: All right. Thank you,
7 Jenn.

8 As noted on this slide, you can provide
9 comments on the SEIS by using regulations.gov;
10 providing oral testimony during any of our
11 meetings today and later this week; and by mailing
12 comments to the Office of Renewable Energy
13 Programs at the address provided on this slide;
14 and also at the Vineyard Wind virtual meeting
15 page.

16 If you haven't done so already, and would
17 like to provide comments, please press Star 1 now
18 and speak to our operator. After you press Star
19 1, please be patient so that we can get everybody
20 in the queue. We have a number of people that are
21 already signed up, and thank you for that. And
22 we're really appreciative of the patience that you
23 can give our operators as they try to get to you
24 as soon as possible.

1 If you prefer to submit your comments
2 electronically, visit <http://www.regulations.gov>
3 and search for the Docket Numbers BOEM, B-O-E-M,
4 -2020-0005 and next click on "comment now."

5 Comments may also be submitted by mail with
6 the envelopes labeled "Vineyard Wind Supplement to
7 the draft EIS," and addressed to the Program
8 Manager at the Office of Renewable Energy, Bureau
9 of Ocean Energy Management. The address is 45600
10 Woodlands Road, VAM-OREP, or V, as in Victor, A,
11 as in apple, M, as in Mary, dash O-R-E, as in
12 echo, P, as in Paul, Sterling, Virginia, at 20166.

13 All comments must be postmarked no later than
14 July 27th, 2020. I can't believe it's July already
15 but here we are. July 27th, 2020, is when this
16 comment period closes. BOEM does not consider any
17 anonymous comments. Please include your name and
18 address as part of your submittal. All of your
19 comments will be made part of the public record
20 and may be publicly posted without change.

21 You may also submit your comments online at
22 [regulations.gov](http://www.regulations.gov).

23 So please take a few minutes to just put your
24 questions -- we are going to be having questions

1 at the end of the presentation. But just like
2 we're asking you to queue up to speak in advance,
3 if you have some questions, you can use that Q & A
4 box at any time. We will respond to them at the
5 end of the public comment period.

6 So, again, those of you on Zoom, please use
7 that Q & A function to enter your questions in.
8 And, if you haven't done so already and would like
9 to speak, please press Star 1.

10 And that will provide a few comments about
11 how we are going to do the public comment period.
12 So if we can go to the next slide with some of the
13 instructions.

14 If you're providing comments, your remarks
15 will be recorded, transcribed and entered into the
16 administrative record. Even though you may see
17 your name in the chat box, and we'll have that
18 going in just a minute or two on your screen, if
19 you're online, please state your name slowly and
20 spell your first and last name for us. This will
21 help the court reporter and anyone who's joined by
22 phone only. Also, if you'd like, you can indicate
23 the organization you're affiliated with, if that's
24 applicable.

1 All comments today will be taken into
2 consideration by BOEM to update the final EIS.
3 The comments you make today will be recorded and
4 also publicly posted.

5 Please be mindful of time so everyone has the
6 opportunity to speak. I'll ask you to wrap things
7 up at the five-minute mark. If you need more time,
8 we'll put your name at the end of the queue. This
9 will allow everyone an opportunity to speak at
10 least once. And if time allows, it will give you
11 another chance to finish your thoughts.

12 Please note that if your comments are
13 lengthy, you can also submit them in writing as
14 both written and oral comments are being
15 considered equally.

16 We will take repeat speakers but only after
17 everyone who is interested has provided their
18 comments at least once.

19 After identifying the first speaker, it will
20 note who is next to speak. In addition to putting
21 the names in the chat box on screen for those of
22 you on Zoom, I will list the names of those who
23 are up next so that both of you on the phone know
24 who is -- who is in the queue to speak.

1 Typically, when we're in person, I like to
2 greet you when you arrive, I can hear how you
3 pronounce your name. But since I don't have that
4 luxury today, I sincerely apologize for
5 mispronunciations that I make. I realize that
6 everyone likes to hear our names properly
7 pronounced. I ask for your patience and
8 understanding.

9 We're going to commit to gathering up
10 questions and comments from today and other
11 meetings and respond to them as appropriate in the
12 final EIS. So, again use the Q & A box for
13 questions that you'd like to have answered after
14 the public comment period.

15 But now we're going to focus our attention on
16 the public comments. So with that, if you look
17 at -- can we get the names -- there we are there.
18 In the chat box, we've got a State Senator with
19 us, Senators here, then Mariah D. and Captain M.
20 Ted R. and Darlie E.

21 So with that, I will turn it over to the
22 State Senator from Massachusetts, Senator Cyr?

23 SENATOR JULIAN CYR: Thank you. I speak to
24 you as a State Senator. My name is Julian Cyr, and

1 I'm a State Senator for Cape Cod, Martha's Vineyard
2 and Nantucket. And this district that I represent
3 is in the epicenter of the offshore wind discussion
4 on the East Coast for nearly two decades.

5 Some folks may recall Cape Wind, which began
6 a contentious debate that lasted many years. No
7 matter where you were in that project, it's fair
8 to say that we're in a different place now. That
9 is, in large part, due to years of hard work by
10 stakeholders, regulators, and public officials to
11 responsibly site and permit offshore wind. It is
12 also the result of broad bipartisan efforts, first
13 in Massachusetts and later in other states, to
14 promote offshore wind supply -- wind to supply our
15 energy and jobs and take a leap as a region to
16 combat the climate emergency that is already
17 impacting our communities, our environment, and
18 our economy.

19 In the Cape and Islands State Senate
20 district, the environment is our economy. Our
21 livelihoods rely on tourism, marine trades and
22 environmental research. Our beaches, our waters,
23 our ponds are our lifelines; it's a product we
24 sell on the global marketplace.

1 The climate emergency is chipping away at our
2 identity. It's impacting -- it's adversely
3 impacting our biodiversity, our fisheries and our
4 coastline. Homes across Cape Cod, Nantucket and
5 Martha's Vineyard are literally falling into the
6 sea. Warming waters are disrupting our coastal
7 habitats, adversely affecting our fisheries and
8 aquaculture, and even raising our insurance rates.

9 In the Northeast, offshore wind is our
10 renewable source with the potential to supply a
11 third of our energy needs in the coming decades.
12 The policies alone don't cut it. We need to
13 permit and build offshore wind now.

14 The knowledge gained from over 20 years of
15 European-based offshore development and thousands
16 of offshore turbines has been put -- has put us in
17 a good position to harness some of the most fierce
18 winds off our shores to be among the most
19 productive in the world. And it can be done
20 affordably as well.

21 Vineyard 1 -- Vineyard Wind 1 alone is
22 estimated to save ratepayers well over a billion
23 dollars, and we expect comparable benefits for all
24 future projects, all of which rely on local

1 well-paid workers to construct these projects.

2 Offshore wind is safe. Over a decade of
3 planning and research has minimized potential
4 impacts to our precious resources; design changes
5 facilitate shared use; locations many miles from
6 shore reduce use and impacts, etc.

7 Vineyard Wind has worked with the landfall
8 community to address their concerns. Barnstable,
9 which is the town I represent, was largely opposed
10 to offshore Wind during the Cape Wind debate.

11 But the tides have turned. In 2018, with the
12 support of the residents, the Barnstable Town
13 Council unanimously supported a host-community
14 agreement protecting the town's interests and
15 safeguarding the local environment.

16 Vineyard Wind has also engaged -- has also
17 engaged local nonprofit Vineyard Power, entering
18 into the nation's first offshore wind community
19 benefits agreement that grew the community voice
20 in offshore wind.

21 Vineyard Wind entered into a landmark
22 agreement with major national environmental
23 advocacy organizations CLS, National Wildlife
24 Federation, and NRDC on standard setting

1 protections for the critically endangered North
2 Atlantic Right Whale.

3 The company has pledged over \$38 million in
4 financial support to fisheries.

5 In their development they have collaborated
6 with institutions of higher education, plus
7 investments for workforce development, and
8 supported wide ranging research efforts on
9 fisheries, migratory species, and habitat.

10 Offshore wind developers collectively entered
11 into a one-nautical-mile uniform layout agreement
12 supported by the Coast Guard that will facilitate
13 predictable transit to police areas. It was a
14 major concession, which developers forfeited
15 nearly a third of development potential in the
16 leased area in order to address navigation
17 concerns.

18 Policymakers, stakeholders, and offshore wind
19 companies are building the model for reasonable
20 development.

21 It was distressing last summer to find the
22 Federal Government would delay approval of
23 Vineyard Wind setting offshore wind in this
24 country back by more than a year. But I was

1 pleased with the reasoned findings of the report
2 which clearly show that the impacts are moderate
3 and manageable. Importantly, the report
4 acknowledged that whether it's marine mammals,
5 birds, fish, or even cultural resources, the
6 climate of urgency is a real threat and offshore
7 wind can provide solutions.

8 I urge BOEM to continue the course to
9 properly approve Vineyard Wind and to efficiently
10 permit the projects that will come after it.

11 I also ask that you accept the uniform layout
12 as agreed to by developers and reject the proposal
13 for additional transit lanes. The Coast Guard has
14 said they are unnecessary, and your report has
15 asserted that they may cause delays, threaten
16 projects, and create more environmental impact.

17 But most importantly, expanded transit lanes
18 will leave Massachusetts and other states unable
19 to meet our clean energy mandates. Let me repeat
20 it: If the lease areas are further reduced by
21 unnecessary transit lanes, we will not be able to
22 generate the clean energy we need to power our
23 region. This will inhibit not only developers but
24 policymakers as we seek to promote renewable --

1 renewables to power our communities.

2 Many of our region's old, dirty and dangerous
3 power plants are coming offline. Vineyard Wind
4 and related projects offer a welcomed opportunity
5 but also a challenge to redefine our energy grids
6 in an affordable, equitable and environmentally
7 responsible way. Make no mistake, as a region, we
8 can develop renewables to power our economy by
9 building offshore wind many miles off our shores,
10 or we can continue -- continue to build dirty
11 expensive power plants in the most disadvantaged
12 communities in our region. The choice has never
13 been clearer.

14 Thank you for the opportunity to testify in
15 support of Vineyard Wind 1. Thank you.

16 CHRISTINE DAVIS: Thank you, Senator.

17 For the courtesy of our operators and our
18 court reporters, would you mind spelling your name
19 please, so we've got it --

20 SENATOR JULIAN CYR: Yep. It's J-u-l-i-a-n;
21 my last name is C-y-r. And I'm the State Senator
22 for the Cape and Islands district.

23 CHRISTINE DAVIS: Thank you so much.

24 And the other folks that are on Zoom, I just

1 wanted to note that on the screen, you'll see Jim
2 Bennett you heard from him earlier today, and
3 Jenn, but also Michelle. They are very closely
4 listening to your comments today. And if we were
5 in person, they'd be sitting next to me, but we'll
6 have to do a photo for today. So they will be
7 participating actively in the Q & A session as
8 appropriate later on too. I just wanted to note
9 that.

10 The other bit of instruction that I want to
11 provide is that we are using the chat function to
12 list five speakers at a time. We aren't putting
13 everybody's name in there. So if you have spoken
14 to the operator already, we will have you in the
15 queue and we will continue to cycle through these
16 names, and we'll add more names as we go.

17 So next we've got Mariah D., then Captain M.
18 Monti, and then Ted R. And Maria M.

19 So with that, Mariah D., you are next to
20 provide comments.

21 MARIAH DIGNAN: Hello, can you hear me?

22 CHRISTINE DAVIS: I can hear you just fine.

23 Thank you, Mariah.

24 MARIAH DIGNAN: Great, thanks.

1 My name is Mariah Dignan, M-a-r-i-a-h
2 D-i-g-n-a-n, and I'm the Long Island organizer for
3 Climate Jobs New York. We are a growing statewide
4 coalition of labor unions representing 2.6 million
5 members advocating for a clean energy economy as
6 scaled climate science demands, and for creating
7 good union jobs and more resilient communities in
8 the process.

9 As a 25-year-old acutely aware of the impacts
10 climate change has and continues to have globally
11 and on the island, I enthusiastically support
12 Vineyard Wind 1, which clearly demonstrates
13 responsible offshore wind development.

14 I'd like to take a moment to thank BOEM for
15 completing the SEIS during the COVID-19 pandemic.
16 As we fight to address this public health crisis,
17 BOEM is doing the necessary work to move offshore
18 wind forward.

19 We are undeniably addressing intersectional
20 crises. Public health, the economy, environmental
21 justice, and climate change are interwoven with
22 offshore wind development. At a moment when we
23 must make large-scale investments to restart our
24 economy, we should take action on clean energy at

1 the level we know we need to take on climate
2 change. We have a once-in-a-generation
3 opportunity to put ourselves in the path to a low
4 carbon future, while creating new quality careers
5 that provide family sustaining wages and benefits
6 for communities across the nation.

7 Vineyard Wind 1 is slated to be the United
8 States first commercial scale offshore wind
9 project in federal waters. Vineyard Wind will
10 propel the United States offshore wind industry
11 and deliver clean, renewable and cost effective
12 power to Massachusetts. In addition, this project
13 will provide thousands of good union jobs and
14 attract global supply chain manufacturers to the
15 northeast.

16 Vineyard Wind 1 is expected to create 3,600
17 local jobs that provide good wages and benefits.
18 This project will set the stage for offshore wind
19 developers to work in conjunction with organized
20 labor. Labor unions offer world-class training
21 programs through apprenticeship. By coordinating
22 with industry, we will continue to lead in
23 training offshore wind workforce for the very near
24 future.

1 The developers have listened, engaged and
2 altered construction plans based on community
3 feedback. This is something we need to replicate
4 in other projects. We support the one-by-one
5 nautical mile layout compromise that responds to
6 commercial fisheries' concerns. Not only does the
7 Coast Guard approve of this mitigation effort, but
8 adding additional mileage to the layout would only
9 take away from the efficiency and carbon reduction
10 potential the project is meant to address. The
11 one-by-one nautical mile compromise is important
12 to the overall success and viability of the
13 project.

14 To maximize the economic development and job
15 opportunities in offshore wind, the industry and
16 its potential workforce needs confidence that
17 demand in the US offshore wind market is real.
18 This means we need to move forward promptly in the
19 permitting process, set the stage for this nascent
20 industry. This starts with Vineyard Wind 1. By
21 launching this industry now, the potential for
22 additional jobs multiplies exponentially with the
23 potential for hundreds of thousands of good paying
24 jobs across the United States.

1 I urge BOEM to follow the current permitting
2 schedule for this project and to move forward
3 expeditiously on this and other offshore wind
4 projects.

5 Focusing on my home state of New York, the
6 national leader in offshore wind energy standards,
7 the only way to achieve 9 gigawatts of offshore
8 wind energy by 2035, the state's goal, enshrined
9 last year in legislation, is to advance permitting
10 in a timely manner and develop safe and fair
11 conditions with community stakeholders, as was
12 done in Vineyard Wind 1.

13 We can provide long term sustainability,
14 economic development, and create a skilled green
15 economy workforce for a consequential new
16 industry.

17 In this time of bold transformation, smart
18 investments in a clean energy future can
19 simultaneously put people back to work, build
20 infrastructure to address climate change, and
21 spurn -- spur economic development in our
22 communities.

23 Thank you for your time and consideration.

24 CHRISTINE DAVIS: Thank you.

1 All right. Next we have Captain Monti then
2 Ted R., Maria M., Laura M., and John O'Keefe.

3 So with that, I'll turn it over to Captain
4 Monti.

5 CAPTAIN DAVID MONTI: Wonderful.

6 My name is Captain Dave Monti, M-o-n-t-i. I
7 am a for-hire charter captain and recreational
8 fishermen from Rhode Island; I am Vice President
9 of the Rhode Island Saltwater Anglers Association,
10 which has 7,500 members in Massachusetts, Rhode
11 Island and Connecticut; I am Vice Chair of Rhode
12 Island's Marine Fisheries Council; and a board
13 member of the American Saltwater Guides
14 Association; I also am a fisheries recreational
15 consultant; and I'm a fishing writer for the
16 Providence Journal, the major daily newspaper in
17 Rhode Island, as well as 13 other blogs and
18 recreational fishing publications.

19 Many recreational anglers are supportive of
20 offshore wind, including the Vineyard Wind Project
21 and other projects in the lease areas adjacent.
22 They are supportive because it's renewable energy
23 in the structure, which the pylons actually create
24 for recreational fishing.

1 But this support comes as long as wind farms
2 are developed responsibly with research before,
3 during and after construction to measure any
4 negative or positive impacts on fishing habitat.
5 And, yes, I say positive impacts because I, as
6 other anglers, believe that offshore wind farms
7 will have a major positive impact on habitat and
8 fish, just as the Block Island Wind Farm research
9 has shown in angler experiences there, as well as
10 a recent peer reviewed study that indicated that
11 fish abundance inside European offshore wind farms
12 is much greater than the abundance of fish outside
13 of the wind farm and control areas.

14 The study was published in the March issue of
15 Fishery Science and Agriculture Magazine, and it
16 was titled "Mega analysis of Fish Abundance of
17 Offshore Wind Farms." And it concluded, quote,
18 "That the overall effect was positively indicating
19 a great abundance of fish -- a great abundance of
20 fish inside the wind farms for both soft bottom
21 and complex bottom fish species."

22 And as you know, we have both in the
23 cumulative impact area of these wind farms.

24 Hundreds of studies in Europe were looked at

1 but only those that were peer reviewed were
2 accepted to this meta analysis.

3 Another example of fish abundance in wind
4 farm areas is the Block Island Wind Farm.
5 Recreational fishing at the Block Island Wind Farm
6 has been good and perhaps a bit better -- better,
7 and I know that from personal experience and the
8 experience of my charter captain and private
9 recreational angler colleagues. This is -- even
10 though fish pressure in that area has increased
11 well over 200% by recreational anglers, and it is
12 now a destination, just as all wind farms will be
13 a destination for recreational anglers in the
14 future.

15 At the Block Island Wind Farm, there are
16 gillnets, commercial gillnets set right up to the
17 turbines and close by. There are commercial
18 fishermen culling alongside the wind farm. And
19 the wind farm -- excuse me, in the wind farm, and
20 recreational anglers fish right up to the pylon.
21 So all this activity occurs just how fishing
22 should be in wind farm areas.

23 The cumulative impact and benefit to
24 recreational fishing of offshore wind farms will

1 be a major not a minor benefit as outlined in the
2 FDIC. As defined in the FDIC, recreational
3 fishing will have, quote, regional and population
4 level impacts as the research to date has shown.
5 This suggested change from minor benefit to a
6 major benefit is not only reflective in available
7 research but will also be the primary reason why
8 fish and fishermen will be attracted to wind farms
9 both in areas that have no fish now, and in those
10 areas where fishing will be enhanced.

11 It is clear offshore wind will have a
12 positive cumulative impact on recreational
13 fishing, as there will be more fish, which will
14 impact commercial fishing in a positive way as
15 well. To this end, as some of my colleagues have
16 suggested, additional scow protection and
17 structure should be placed at the base of pylons
18 to create habitat and fish for recreational
19 anglers. Both recreational fishing and commercial
20 fishing are important to the people of the United
21 States of America.

22 In many states, like my home state of Rhode
23 Island, according to NOAA's Fisheries Economics of
24 the United States, recreational fishing has a

1 greater annual sales, economic impact in
2 commercial fishery -- commercial fishing land than
3 the state does.

4 So as we plan and develop offshore wind, we
5 need to be mindful of recreational fishing's
6 impact and the major positive impacts offshore
7 wind farms will have on fishing.

8 And I would like to thank, if I haven't
9 already, BOEM for it's wonderful virtual meeting
10 room, for Vineyard Wind for all the work that it
11 has done here, and lastly for the National
12 Environmental Policy Act, which has afforded me
13 the opportunity to speak today and the opportunity
14 of my other fishing sisters and brothers as well.

15 Thank you.

16 CHRISTINE DAVIS: All right, thank you.

17 Next we have Ted R., then, Maria -- Maria,
18 and Laura and then John.

19 And just a reminder, thank you -- yeah, there
20 we go on the screen now. Limit your comments to
21 five minutes. The operator will unmute you, if
22 you can state and spell your name.

23 And I believe that a number of you already
24 press Star 1 to get in the queue. It does take a

1 little bit, so please be patient. We do have quite
2 a few speakers; I think we're getting close to
3 about 30. So do know that we will do our best to
4 get to absolutely everyone and get your comments.

5 And so if we can keep it to about five, that
6 way, we'll be able to get through everybody. And
7 if you have more than five, consider the written
8 format, or potentially, you know, do your
9 comments, and if we get through everybody once in
10 the queue, potentially we may have the opportunity
11 to come back to you.

12 So with that, I am going to turn it over to
13 Ted. If you can state your name. Thank you.

14 TED ROOSEVELT: Okay. My name is Ted
15 Roosevelt, R-o-o-s-e-v-e-l-t. And, I guess for full
16 disclosure, you should probably put a Roman IV
17 after my name.

18 My family and I've been coming to the
19 Vineyard and the -- the islands for half a
20 century. We love the recreational benefits that
21 are here, but we also share the same concern that
22 Lisa Engler talked about.

23 Climate change represents a horrible threat
24 to the Vineyard, and we must move as fast as we

1 possibly can to address it. And I think that that
2 should be self-evident to -- to most people on
3 this -- on this call.

4 Secondly, I want to address the economic
5 advantages that the Vineyard Wind Project offers
6 us. The pandemic, the COVID-19 pandemic will
7 continue to adversely affect the U.S. economy.
8 Economic growth depends on three inputs:
9 Investment, an increased demand in labor and an
10 increase in productivity.

11 Clearly, the Vineyard Wind is a major
12 investment. It will increase the demand for
13 labor, as other speakers have already mentioned,
14 and it will result in increased productivity. And
15 it will be an important step in helping to offset
16 the unfortunate economic damage that the
17 continuing COVID pandemic is likely to have.

18 And finally, I want to address -- and I was
19 delighted to hear Captain Monti talk about the
20 value and importance to recreational fishing of
21 Vineyard Wind.

22 I was concerned enough about this, and in my
23 capacity being Chairman of the Center for Climate
24 and Energy Solutions, when I was in Europe last

1 year, I took the opportunity to talk to
2 representatives from the Danish government who
3 were involved in offshore wind. Denmark, by way
4 of background, was the first country to really
5 develop offshore wind. And they've now embarked
6 on an -- because it was so successful, they've
7 embarked on a major program to increase total
8 offshore wind reduction to 10 gigawatts by 2030.

9 So I had had the opportunity to talk to the
10 Minister for Environment, Lisa Vermillion, to
11 really interrogate her as to what did Denmark
12 learn from the adverse impact of offshore wind?
13 There was absolutely no adverse development of
14 offshore wind, nothing the cables were causing.

15 And she repeated many of the points that
16 Captain Monti had made, which I already tended to
17 believe, but I wanted to hear from an authority in
18 a country which had been engaged in offshore wind
19 since the early 1990s, which I think is a good --
20 it's comforting, and I think we can rely on that
21 as a basis for making this decision.

22 So simply, in conclusion, I want to thank
23 BOEM for allowing us, and me, the opportunity to
24 talk and give my comment. But I would hope that

1 we would advance and start constructing this
2 project as soon as -- as soon as possible, because
3 anything we can do to increase our use of
4 renewable energy to address climate change is the
5 only way that our grandchildren who are under 10
6 will live to see the same things that we see.
7 Otherwise, we're going to lose the recreational
8 benefits and -- that these islands afford us.

9 So thank you very much for the opportunity to
10 speak to you.

11 Thank you for your comments.

12 Next, we have Maria, then Laura M., John,
13 Richard E., then Gail.

14 So Maria?

15 MARIA MARASCO: Good afternoon. My name is
16 Maria Marasco, M-a-r-a-s-c-o. I'm the Deputy
17 Director at the Cape and Vineyard Electric
18 Cooperative here in South Yarmouth, Massachusetts,
19 on Cape Cod.

20 I'd like to -- first like to thank the
21 administration and BOEM for all its efforts to
22 support renewable energy. I'd like to thank you
23 all, James, Michelle, Jennifer and Christine, for
24 conducting this session today.

1 The Cape and Vineyard Electric Cooperative,
2 known as CVEC, is a nonprofit quasi governmental
3 organization in Massachusetts that provides 32
4 member municipalities and related governmental
5 organizations a way to work together to integrate
6 clean renewable energy. Our members consist of
7 municipalities, counties and schools. We are
8 unique and offer our organization as a model that
9 could possibly be replicated in other parts of our
10 region.

11 CVEC can develop and own renewable electric
12 generation facilities and procure and sell
13 long-term electric supply or other energy related
14 goods at competitive prices to help stabilize
15 electric rates for CVEC members.

16 For the past 13 years, CVEC has been
17 initiative -- initiating and managing renewable
18 energy projects. To date, we have 77 projects in
19 development, with 32 projects delivering renewable
20 energy. When all projects are completed, the
21 total portfolio will yield approximately 57
22 megawatts of renewable energy for Cape Cod,
23 Martha's Vineyard, Nantucket and other locations
24 in Southeastern Massachusetts.

1 CVEC bundles its project developments and
2 advertises the opportunities. Our first three
3 photovoltaic rounds yielded over \$14 million in
4 savings to our participants, and rounds four and
5 five are underway, which will yield another two
6 and a half million dollars annually in savings, as
7 well as realize significant reductions in
8 greenhouse gas emissions.

9 While CVEC accomplishments on behalf of the
10 municipalities, counties and schools we serve are
11 significant and unparalleled in Massachusetts, we
12 recognize the need to do more to meet the larger
13 national demand for renewable energy amidst
14 climate change.

15 As the first mover in renewable energy
16 development in our region for the past 13 years,
17 the Cape and Vineyard Electric Cooperative is here
18 today to support the Commonwealth and Federal
19 Government's efforts to responsibly site and
20 develop the proposed Vineyard Wind 1 Offshore Wind
21 renewable energy project. CVEC stands ready to
22 partner with Vineyard Wind to even better serve
23 our local municipalities, counties and schools.
24 And we applaud Vineyard Wind for their efforts to

1 build and begin operations as the first
2 large-scale commercial offshore wind development.

3 We recognize that offshore wind is a
4 sustainable and clean source of energy in one of
5 several -- several renewable energy options that
6 has significant potential to advance the
7 diversification of energy sources and meet
8 Governor Baker's goals for greenhouse gas
9 reductions here in the Commonwealth.

10 We know that it is the policy of the United
11 States to promote the clean and safe development
12 of domestic energy resources to ensure the
13 nation's geopolitical security, and provide
14 electricity that is affordable, reliable, safe and
15 secure and clean. It is the mission of CVEC to
16 provide the same kind of renewable energy to its
17 member communities and community organizations.

18 We believe that offshore wind power is a
19 viable alternative and necessary addition to
20 existing clean and reliable renewable energy
21 sources.

22 For our region, we believe that offshore wind
23 will have a positive impact on meeting the
24 seasonal changes. We are hopeful and do believe

1 that Vineyard Wind, along with the offshore wind
2 industry, will take sufficient action to mitigate
3 the impacts on the environment, marine life, the
4 fishing industry, and navigation and vessel
5 traffic.

6 Thank you, and we hope that BOEM will approve
7 the Vineyard Wind 1 Project within the lease areas
8 to meet the New England's demand for renewable
9 energy as soon as possible.

10 Thank you, Christine.

11 CHRISTINE DAVIS: Thank you for your
12 comments.

13 Up next, we have Laura, then John, then
14 Richard and Gail.

15 So with that, I will turn it over to Laura,
16 Laura M.

17 LAURA MORTON: Hi, this is Laura. Can you
18 hear me?

19 CHRISTINE DAVIS: I can hear you just fine.
20 Thank you, Laura.

21 LAURA MORTON: Great.

22 My name is Laura Morton, L-a-u-r-a
23 M-o-r-t-o-n, and I am the Senior Director for
24 Offshore Wind Policy and Regulatory Affairs at the

1 American Wind Energy Association. AWEA is the
2 national trade association for the American wind
3 industry representing more than 1,000 member
4 companies with a common interest in encouraging
5 the expansion and facilitation of wind energy
6 resources in the United States, including offshore
7 wind.

8 The wind industry appreciates that the U.S.
9 Bureau of Ocean Energy Management, BOEM, released
10 its draft Supplemental Environmental Impact
11 Statement for the Vineyard Wind offshore wind
12 project, which will be the first utility-scale
13 offshore wind project in U.S. waters. The industry
14 further appreciates BOEM's robust analysis of the
15 future build-out of offshore wind along the
16 Atlantic Coast over the next several years.

17 The U.S. is on the cusp of a rare
18 generational opportunity. We have the chance to
19 build an entirely new domestic industry in the
20 form of offshore wind. Doing so will contribute
21 to tens of thousands of new jobs, revitalized
22 ports, and expanded manufacturing, among other
23 benefits.

24 A March 2020 study published by AWEA and

1 cited by BOEM in the draft SEIS finds that
2 deploying up to 14,000 megawatts of offshore wind
3 over the next five years will result in up to
4 45,000 jobs and up to 14.2 billion of economic
5 input/output, with nearly double those numbers by
6 2030.

7 AWEA will be submitting detailed written
8 comments on the SEIS later this month.

9 In my comments today, I would like to
10 highlight a few key aspects of the BOEM analysis.
11 First, BOEM appropriately acknowledges the many
12 beneficial aspects of offshore wind, including
13 economic and environmental benefits.

14 Second, AWEA concurs with BOEM finding little
15 cause for concern for most of the areas it
16 analyzed. BOEM comprehensively reviewed nearly
17 two dozen potential areas of impact, including
18 various species, tourism, sediment, lighting and
19 air traffic. For all but a few, BOEM found the
20 impacts, both from Vineyard Wind and the
21 cumulative offshore wind built, to be negligible,
22 minor, or in a few cases, moderate.

23 BOEM's analysis in these areas was well
24 reasoned and cited key scientific literature and

1 other evidence.

2 As the DSEIS largely confirms, AWEA believes
3 that advancing Vineyard Wind's and other pending
4 offshore wind projects is a good news story for
5 our country.

6 With respect to the potential impacts to
7 commercial fishing, the offshore wind industry
8 recognizes and embraces the importance of creating
9 an ocean environment where we can coexist with
10 other ocean users, including commercial fishermen.
11 Developers have held thousands of meetings with
12 fishermen and organizations who represent them up
13 and down the coast, as well as participating in
14 joint working groups and task forces with
15 commercial fishing representatives, including the
16 Responsible Offshore Development Alliance's joint
17 industry task force, and the Responsible Offshore
18 Science Alliance. Developers have made changes to
19 their projects, including changes that come at
20 significant economic costs, to address concerns
21 raised by the fishing community and have strived
22 to continue productive partnerships. The industry
23 is firmly committed to continuing and expanding
24 our partnerships with the fishing community as we

1 work together to drive our country's economy
2 forward.

3 Contrary to some of the messaging around the
4 DSEIS, it is important to recognize that BOEM only
5 found major impacts on commercial fishing in the
6 cumulative analysis, not with respect to Vineyard
7 Wind. I would add that major does not mean
8 unmanageable.

9 Further, two of the most significant drivers
10 for the major finding are actually beyond the
11 control of offshore wind projects. One, changes
12 in distribution and availability of fish due to
13 climate change; and two, reduce stock levels due
14 to fishing related mortality. As a carbon-free
15 energy source, offshore wind is, in fact, part of
16 the solution to the first of these drivers.

17 Finally, BOEM correctly acknowledges that
18 there are ways to lessen the impacts from offshore
19 wind on this industry. With respect to safe
20 navigation, for example, AWEA agrees with a BOEM
21 finding when analyzing alternative D-2, which
22 heavily rely on evidence and analysis from the
23 U.S. Coast Guard -- that one-by-one nautical
24 spacing with a uniform east-west grid layout for

1 turbines in the adjacent Massachusetts Rhode
2 Island lease area reduces the potential impacts to
3 commercial fishing, provides sufficient transit
4 pathways through the wind farm, protects
5 search-and-rescue capabilities and protects safe
6 vessel navigation.

7 By contrast, BOEM and the Coast Guard have
8 identified significant concerns with a
9 two-nautical-mile or a four-nautical-mile transit
10 lanes that are reflected in Alternatives F. For
11 example, the DSEIS raises concerns about the
12 transit lanes impacting navigation safety through
13 increased funneling of traffic, creating choke
14 points, increasing vessel density, and increasing
15 space-use conflicts.

16 Because Alternative F is worse for vessel
17 navigation, and because it would significantly
18 harm the economic prospects of the projects in
19 this area, AWEA urges BOEM to reject Alternative F
20 and adopt Alternative D-2.

21 Thank you for the opportunity to speak. AWEA
22 looks forward to providing extensive written
23 comments on the DSEIS later this month.

24 CHRISTINE DAVIS: Thank you.

1 Okay, next we have John, then Richard E.,
2 Gail, and Adrienne, David B., and Paul F.

3 So with that, I'll turn it over to John.

4 JOHN O'KEEFFE: Good afternoon, can you hear
5 me?

6 CHRISTINE DAVIS: I can hear you just fine.
7 Thank you, John. Go ahead and state your
8 name for us. Thank you.

9 JOHN O'KEEFFE: Great, thank you.

10 My name is John O'Keefe. John O, apostrophe
11 K-e-e-f-f-e. I am the head of marine affairs for
12 Orsted North America, which holds several leases
13 in the Mass Rhode Island wind energy area.

14 Thank you for allowing me to offer this brief
15 statement on the Vineyard Wind Supplemental
16 Environmental Impact Statement. Orsted sincerely
17 appreciates BOEM's time, effort and dedication to
18 selecting an alternative that best ensures
19 productive coexistence among leaseholders and
20 other ocean users in the unique wind -- wind
21 energy area south of Martha's Vineyard.

22 I'm before you today to discuss navigation
23 safety, a topic in which I have been deeply
24 involved over the past several years in numerous

1 meetings and conversations with Vineyard Wind,
2 other lease holders, BOEM, the U.S. Coast Guard,
3 state regulators, the commercial and recreational
4 fishing industry, and many other key stakeholders.

5 The vast majority of those conversations were
6 focused on two key issues: One, turbine spacing
7 and layout; and two, vessel transit lanes.

8 Orsted would suggest that the recent U.S.
9 Coast Guard Port Access Route Study of the
10 Massachusetts Rhode Island wind energy area,
11 commonly referred to as the MARIPARS report,
12 completely and satisfactorily addresses both
13 issues.

14 Indeed, any balanced examination of the U.S.
15 Coast -- Coast Guard's MARIPARS report, when
16 compared to the alternatives proffered in the
17 Supplemental EIS would lead one to conclude that
18 Alternative D-2 provides the best balance of
19 interest between various waterway uses while
20 maintaining and even improving navigation safety
21 and also preserving the Coast Guard's ability to
22 conduct effective search-and-rescue

23 In its final MARIPARS report, the Coast Guard
24 made three specific recommendations regarding

1 spacing and layout: One, lanes oriented in a
2 northwest to southeast direction .6 to 8 nautical
3 miles wide; two, lanes oriented in an east-west
4 direction one nautical mile wide; three, lanes
5 oriented in a north-to-south and east-to-west
6 direction one nautical mile wide to facilitate
7 helicopters search-and-rescue.

8 Alternative D-2 is the only alternative in
9 the SEIS that meets all three of the Coast Guard's
10 criteria for navigation safety.

11 Notably, the Coast Guard has clearly stated
12 that not only would transit lanes as proposed in
13 Alternative F fail to preserve navigation safety,
14 such lanes would actually increase risk and make
15 navigation more dangerous.

16 Indeed, in its Federal Register notice
17 announcing the availability of its final MARIPARS
18 report, the Coast Guard stated and I quote,
19 "Although these larger navigation corridors may
20 appear to provide more area for navigation, they
21 actually provide far less area than the numerous
22 corridors that result from the recommended array
23 and spacing."

24 That recommended array and spacing being

1 Alternative D-2 and SEIS.

2 Additionally, the Coast Guard goes on to say
3 that transit corridors, as proposed in Alternative
4 F, would make navigation more challenging, as most
5 traffic would then be funneled into the corridors
6 thereby increasing traffic density and risk for
7 vessel interaction.

8 The Coast Guard further concluded that the
9 spacing and layout, as recommended in the MARIPARS
10 report, and as proposed in Alternative D-2, would
11 provide sufficient space for certain vessels that
12 fish in the wind energy area to continue fishing
13 after the wind farms are constructed.

14 Moreover, the Coast Guard found that wider
15 transit lands, as proposed in Alternative F, would
16 largely preclude fishing in the wind energy area.

17 Lastly, the Coast Guard concluded that an
18 array layout, as recommended in the MARIPARS
19 report, and as proposed an Alternative D-2 would
20 result in the functional equivalent of 231
21 navigation corridors that can safely accommodate
22 both transits through and fishing within the wind
23 energy area.

24 For these reasons, among many others, Orsted

1 strongly endorses and supports Alternative D-2
2 over all others. And though I speak only for
3 Orsted this evening -- or this afternoon, excuse
4 me, I would respectfully remind BOEM that Orsted,
5 Vineyard Wind, and all other lease holders in the
6 Mass Rhode Island wind energy area have
7 unanimously committed to a uniform grid layout in
8 a north-south orientation with a minimum
9 one-nautical-mile spacing between towers per our
10 joint letter to the U.S. Coast Guard of November
11 1st, 2019, provided there is no additional
12 requirement to accommodate transit lands as
13 proposed an Alternative F.

14 Thank you for the opportunity to provide
15 comments on this issue of national and even global
16 significance. We remain confident that our
17 offshore wind farms can coexist with all ocean
18 users, including the Northeast commercial fishing
19 industry. And we will continue to work towards
20 that goal with all stakeholders.

21 CHRISTINE DAVIS: Thank you for your
22 comments.

23 Up next we have Richard, then Gail, then
24 Adrienne, David and Paul. So I'll turn it over

1 now to Richard E.

2 RICHARD ENGLAND: Hey, can you hear me?

3 CHRISTINE DAVIS: We can hear you just fine.

4 Thank you, Richard.

5 RICHARD ENGLAND: Great. So it's Richard
6 England, R-i-c-h-a-r-d E-n-g-l-a-n-d.

7 Thank you to BOEM for hosting us today, and
8 we certainly appreciate the flexibility of
9 allowing us all to come together virtually.

10 As I said, my name is Rich England. I'm the
11 Vice President of Government Affairs for the
12 National Ocean Industries Association, or NOIA.
13 An almost 50-year-old organization, we represent
14 all segments of the offshore energy industry.
15 This includes traditional fossil fuel as well --
16 such as oil and gas primarily in the Gulf of
17 Mexico, and also important new sources of energy
18 like offshore wind.

19 Further, our members include not just energy
20 developers but also the businesses, large and
21 small, who do the work of building, supplying and
22 maintaining these projects.

23 We've seen in the Gulf of Mexico just how
24 important the service and supply industry can be

1 to a local economy. And we know that offshore
2 wind provides an enormous opportunity to provide
3 that growth along the East Coast, and it is an
4 enormous opportunity.

5 According to 2019 estimates, we have a
6 roughly \$70 billion market for America's coasts
7 for offshore wind in the next 10 years. That's
8 clean, reliable energy in places like New England
9 and New York, where building infrastructure
10 onshore is difficult.

11 Building offshore wind will also hopefully
12 offset some of the rushy gas that is occasionally
13 shifting to Boston Harbor for wind energy.

14 Offshore wind is an incredible opportunity
15 not just for the people in communities like where
16 I grew up in Bristol County, Massachusetts, but
17 also for national security, and a national supply
18 chain hungry for the business.

19 All these opportunities will only come to
20 pass, however, if we get the regulatory process
21 right when we complete this Supplemental EIS. We
22 at NOIA applaud the Bureau for taking the next
23 step by releasing the supplemental report, and we
24 also applaud BOEM for recognizing that the

1 environmental impacts of this project are
2 manageable. In almost every area, the expected
3 impacts are negligible to moderate; and in many
4 areas, moderate benefits can be expected.

5 For a new and significant infrastructure
6 project that will bring electricity to communities
7 across the region, we think this is an incredibly
8 light touch in terms of local impacts. We are
9 virtually certainly building new energy capacity
10 with other forms of energy, like coal, in the
11 communities of Coastal New England, would bring
12 far more significant negative impacts.

13 Of course, though, there are some efficient
14 communities who have significant concerns. We at
15 NOIA respect that fact and agree that fishing is
16 and will remain vital to the New Bedford, Point
17 Judith, and beyond.

18 I would, though, like to express caution
19 regarding one point in particular some of the
20 previous speakers have hit upon, which is
21 Alternative F.

22 As you know, this Alternative F would
23 establish up to four-nautical-mile-wide transit
24 lanes to the closed wind energy areas. BOEM's

1 analysis clearly says that this change would
2 increase the impact producing factors, or IPFs, of
3 offshore wind and expand the area we're looking at
4 to produce energy significantly.

5 NOIA firmly agrees with the concept of a
6 uniform layout. We defer to the experts of the
7 Coast Guard, and we've reviewed the uniform well
8 placement layout for offshore wind projects.

9 Just this year in the Port Access Route
10 studies, we were told that wider lanes through
11 these development areas similar to Alternative F,
12 quote, "May appear to provide more area for
13 navigation. They actually provide far less areas
14 in the numerous corridors that result from the
15 recommended during spacing," end quote.

16 The Coast Guard continues with this
17 Alternative F approach -- type approach would also
18 block fishing in an area of almost 1400 square
19 miles. We also know that several of our member
20 companies work -- WF Baird & Associates, who
21 reviewed the matter, and found that a one-by-one
22 nautical mile approach would be best to
23 accommodate the existing efficient operations in
24 the region.

1 NOIA believes that offshore wind and
2 commercial fishing can coexist in a way to provide
3 a living and electricity to people across the
4 region. We encourage BOEM to recognize this,
5 recognize the manageable impacts of offshore wind,
6 the net benefits offshore wind will bring, and
7 help these projects move forward by completing
8 this EIS in a timely manner.

9 Thank you very much, and I look forward to
10 the rest of the testimony.

11 CHRISTINE DAVIS: Thank you.

12 All right, up next -- did you state and spell
13 your name by chance? I can't remember if you did,
14 sorry. Oh, already gone. Okay. We'll go with
15 that then.

16 Up next, we have Gail. Gail, would you
17 please join us and state and spell your name
18 please. And then after that, Adrienne, David and
19 Paul.

20 GAIL PAGE: Good afternoon. My name is Gail
21 Page, that's G-a-i-l P-a-g-e. I chair the Green
22 Sanctuary, a climate justice group, at the
23 Unitarian Universalist Church of Reading. My
24 concerns for our climate future is what brings me

1 here today.

2 I am grateful for this opportunity to share
3 with the Federal Bureau of Ocean Energy Management
4 the reasons I request your immediate approval of
5 Vineyard Winds 1. Your approval cannot come a
6 moment too soon.

7 The EPA website says that worldwide, the
8 burning of coal, natural gas and oil for
9 electricity and heat is the largest single source
10 of global greenhouse gas emissions. Vineyard Wind
11 and subsequent Atlantic corridor offshore wind
12 projects will allow for the closure of many fossil
13 fuel plants currently used on the East Coast.

14 There is near consensus among scientists and
15 policymakers educated on the issue that time is
16 running out to reduce emissions before global
17 heating becomes unstoppable. Your approval is
18 critical not tomorrow, not next year, but right
19 now, although December 2020 will do.

20 You and other organizations began a public
21 stakeholder process 20 years ago. Extensive
22 reviews has been done by federal, state and local
23 experts and regulators.

24 According to an article published by CNBC on

1 February 6, 2020, Europe is way ahead of us
2 already providing 22 gigawatts of clean renewable
3 energy to its residents. And they install
4 increasingly more wind farms every year, so it
5 must be working pretty well for them.

6 We cannot afford to delay any longer.
7 Vineyard Winds is ready to go. The technology is
8 well known and reliable. The time to approve the
9 project is now.

10 In addition to reducing global heating, your
11 approval will greatly reduce pollution wherever
12 fossil fuel plants are closed, thanks to the
13 project, freeing the air of the pollutants that
14 impact human health and wellbeing.

15 In addition to the well-known health impacts
16 of these pollutants, it may also be related to
17 autism spectrum disorder and Alzheimer's disease.
18 These polluting plants are often located in poor
19 communities and communities of color. Your
20 approval upholds way overdue environmental justice
21 for these community.

22 Your approval will allow for the creation of
23 over 3,600 local full-time jobs over the life of
24 that project starting with instant construction in

1 2021. These jobs will be of a great variety from
2 manufacturing and construction to design and
3 engineering and more. Your approval is an easier
4 financial decision than ever.

5 A new U.S. Department of Energy study shows
6 that the cost of generating more power to
7 land-based wind turbines is now cheaper than
8 buying fuel at an expected price from an
9 equivalent natural gas plant. And offshore --
10 offshore's winds costs have fallen sharply in
11 recent years.

12 Your approval is also easier today as a
13 result of the effort Vineyard Wind has put into
14 meeting the needs of various stakeholders,
15 including fisher folk, indigenous -- indigenous
16 populations, conservationists and others.

17 For example as part of an agreement with the
18 commercial fishing community, Vineyard Wind
19 designed a one-by-one-nautical-mile grid already
20 referred to today. This grid assures over 200
21 transit lanes for commercial fishing and
22 recreational boating. The Coast Guard supports
23 this design, as some very knowledgeable people
24 before me described as well.

1 However, like some of them, also, I
2 understand that the Bureau is considering
3 requiring additional transit lanes. These
4 additional lanes will decrease the amount of
5 renewable energy even more than the 30% decrease
6 already created by the current one-by-one grid
7 design. We cannot afford to lose any more
8 renewable energy from this project. We are faced
9 with enormous problems from global heating if we
10 don't act now to reduce greenhouse gas emissions.

11 Large sections of the world are on track to
12 be uninhabitable by 2070 leading to a climate
13 migration problem that will dwarf our current
14 migration challenges. Millions to billions of
15 people will die from food and water scarcity as
16 arable land to reverts to desert. Ecosystems will
17 be harmed, species extinction will increase,
18 hundreds of thousands of deaths will occur from
19 super storms and severe weather. The cost of
20 responding to these events on an ongoing basis
21 will exponentially surpass the cost of responding
22 to climate change now by reducing greenhouse gas
23 emissions and doing other climate mitigation steps
24 like carbon sequestration.

1 So much rides on your decision. Please
2 approve Vineyard 1 and the on-deck offshore wind
3 projects ready to follow as soon as possible.

4 I would like to thank you also for pivoting
5 so skillfully to virtual hearings and displays and
6 making this opportunity for stakeholder comments
7 possible.

8 Thank you.

9 CHRISTINE DAVIS: Thank you for your
10 comments.

11 Up next we have Adrienne, then David B., as
12 in boy, Paul F., Nathanael, David Z., and then
13 Winston.

14 So with that, I'll turn it over to David B.

15 OPERATOR: Oh, no, you forgot Adrienne.

16 CHRISTINE DAVIS: Oh, I'm sorry, sorry,
17 sorry, sorry. Adrienne, you're up. Sorry. Thank
18 you for catching me. I got ahead of myself here.
19 Thank you.

20 Adrienne, you're up next. If you can state
21 and spell your name. Thank you.

22 ADRIENNE ESPOSITO: Thank you so much.

23 My name is Adrienne Esposito. I'm the
24 Executive Director of Citizens Campaign for the

1 Environment. We are a bistate, in New York and
2 Connecticut, environmental and public health
3 protection organization with 125,000 members.

4 First and foremost, I know you can't get
5 tired of hearing it, thank you for releasing the
6 Supplemental EIS, and also for plowing ahead
7 during very challenging times with the COVID
8 crisis. We also want to extend a thank-you to
9 Vineyard Winds for voluntarily agreeing to the
10 one-by-one nautical mile spacing design, and also
11 for setting a very high precedent and a high bar
12 by entering into the agreement to protect
13 Endangered Right Whales and also other marine
14 mammals with the agreement with the National
15 Wildlife Society, NRDC, and the conservation law
16 foundation.

17 Primarily, I want to say we are asking you to
18 outwardly reject Alternatives E, F, and G.

19 E is obviously the alternative that would
20 limit the amount of turbines, which we believe is
21 a nonsensical alternative. Why would we limit the
22 solutions to the problem we're working to solve,
23 which is climate change? And transitioning from
24 fossil fuels to renewable energy?

1 One of the things that seems to perhaps be
2 missing in the draft EIS is that we have to have a
3 long-term view. And with Alternative E, it only
4 addresses a short-term impact without overlaying
5 the long-term benefits. So all large scale energy
6 infrastructure has some impact on our environment.
7 All of them do. But the question is, which one
8 has the least impact and cause us to be
9 sustainable over the long haul? And the answer to
10 that is renewables and offshore wind.

11 The other alternative, which is F, require --
12 or asked for a four-by --
13 four-nautical-miles-by-four-nautical-miles
14 spacing, which also causes projects to really be
15 not ones that can come to fruition because of
16 economics. So again, we're leaving them out of
17 the equation.

18 These solutions were crafted to address our
19 commercial fishing and our recreational fishing
20 industries, which I totally agree we need to be in
21 partnership with. As someone who grew up with a
22 fishing pole in one hand and a crab trap in the
23 other, you know, our fishing industries are
24 critical to our economy but also to our culture

1 and American way of life.

2 But we can't be shortsighted. The greatest
3 challenge to this viability and the sustainability
4 and the longevity to our fishing industry is
5 climate change.

6 You may be aware of a recent study that just
7 came out saying 60% of all fish species could be
8 unable to survive in their current areas in the
9 next 80 years. That's not a very long time. The
10 study cites warming waters, depleted oxygen
11 levels, which means the depletion of the rate of
12 survival for fish eggs and juvenile fish, and the
13 inability of fish to be able to have enough energy
14 in warmer waters to do the amount of -- of
15 foraging they would need for food sources.

16 So we don't want to, on the short term, think
17 we're helping commercial and recreational fishing
18 industries, when in the long term, we're actually
19 hindering them by not transitioning full speed
20 ahead from fossil fuels to renewable energy.

21 So we feel very strongly that when we change
22 our energy sources, and we transition away from
23 fossil fuels towards renewables, we literally
24 change the future of our planet and of our nation,

1 and we change it for the better.

2 So I'm asking you to please stick to the
3 schedule of the December of this year.

4 Thank you for your work, that this particular
5 Vineyard Wind farm project sets a precedent for
6 not only the East Coast, but for the rest of
7 America. And it will make the transition from
8 fossil fuels to renewables real. It is the first
9 step on a long journey, but it is the first step.

10 And you've done your due diligence. We
11 appreciate the multitude of hard work that has
12 gone into this. And we look forward to a better
13 future.

14 Thank you for the opportunity to comment.

15 CHRISTINE DAVIS: Adrienne by chance, can you
16 state and spell your name for us, please? I think
17 in my little bobble there, I didn't ask you to do
18 that. So if you could, that would be great. Thank
19 you.

20 ADRIENNE ESPOSITO: Yes, A-d-r-i-e-n-n-e;
21 Esposito is E-s-p-o-s-i-t-o. Thank you.

22 CHRISTINE DAVIS: Great, thank you. And as
23 the screen reflects, I'm going to take just a
24 little bit of a break here and do note that David,

1 Paul, Nathanael, David Z., and then Winston are up.

2

3 After that, we'll take just a short break to
4 give everyone a chance to refresh their beverages,
5 stretch a little bit.

6 But, again, if you haven't had a chance to
7 press Star 1 to get in the queue, please do so.
8 The last folks have been doing a great job
9 sticking to the five minutes. That's much
10 appreciated. That allows us to get through this
11 list of folks that we have.

12 So with that -- hey, I'm gonna turn -- oh,
13 one other thing I'd like to mention. A number of
14 you have been using the Q & A box at the bottom.
15 If you do have questions, please use that
16 throughout. And, again, we will address those
17 questions after we complete public testimony.

18 So with that, I'll turn it over to David B.
19 David? Hello? Yes, I think we got you for a
20 second.

21 DAVID BORRUS: Okay. Can you hear me?

22 CHRISTINE DAVIS: I can hear you just fine
23 now. Thank you.

24 DAVID BORRUS: Okay. Great. Okay.

1 My name is David Borrus. I'm the business
2 manager of Pile Drivers and Diverse Local 56.
3 I'll spell my name, it's David, D-a-v-i-d, and
4 B-o-r-r-u-s.

5 Today I'm speaking on behalf of the North
6 Atlantic State Carpenters and the Eastern
7 Millwright Council. And they're Joseph Byrne,
8 Executive Secretary-Treasurer of the North
9 Atlantic States Carpenters, and Robert Loubier
10 Executive Secretary-Treasurer of the Eastern
11 Millwright Council has submitted written
12 testimony. I'm going to read it now.

13 First, I would like to thank BOEM for giving
14 me this opportunity to speak on behalf of the
15 Supplemental Environmental Impact Statement that
16 has been submitted. And we appreciate all you've
17 done to make this opportunity for so many of us to
18 speak.

19 The pile drivers, divers and millrights are
20 proud members of the United Brotherhood of
21 Carpenters, and we are longtime supporters of the
22 Vineyard Wind 800 megawatt offshore wind energy
23 project at the BOEM Outer Continental Shelf 0501
24 lease site. Additionally, we believe that the

1 Supplemental Environmental Impact Statement
2 submitted in December 2019 fully addresses the
3 concerns which were raised by other stakeholders
4 when reviewing the first environmental impact
5 statement.

6 We strongly urge BOEM to approve this
7 Supplemental Impact Statement, and allow this
8 project which is critical to the entire U.S.
9 offshore wind industry to move forward.

10 Specifically, we want to point out that
11 Vineyard Wind has revised the overall grid layout
12 for the placement of turbine towers go out for one
13 nautical mile between each tower in response to
14 commercial fishing industry concerns for vessels
15 transiting the lease site. We recognize they're
16 legitimate worries for how the project will impact
17 fishermen. It is clear that Vineyard Wind has
18 taken their issues seriously, redesigned the
19 layout, which has the support of the United States
20 Coast Guard, will come at considerable expense to
21 the developer. The longer transmission cables
22 will incur costs, as well as the operational costs
23 of 84 new borings at the new locations. And the
24 company has committed a further \$17 million to a

1 fund to mitigate any impacts to fishing that may
2 occur.

3 However, we believe the current demand by --
4 by commercial fishing interests for a
5 four-nautical-mile-wide transit corridor is
6 unnecessary and will make the project financially
7 unfeasible. More to the point, it will jeopardize
8 the a future of offshore wind industry in New
9 England with major impacts immediately for both
10 jobs and the regional economy.

11 Like to point that our position that the
12 coastal waters of New England are a shared
13 resource, and our members have a right to make a
14 living and support their families from these
15 waters as well. We collectively represent more
16 than 1000 skilled marine construction workers,
17 pile drivers, divers, millrights, turbine
18 mechanics, welders and riggers, and provided the
19 majority of the offshore workforce for the
20 nation's first offshore wind installation, Block
21 Island Wind.

22 Our New England membership is committed to
23 advancing the offshore wind industry, and we are
24 more than ready to step up and speak out in favor

1 of Vineyard Wind. We see this very clearly as a
2 win-win-win opportunity, and we are glad to tell
3 you why.

4 Number one, energy independence. Vineyard
5 Wind will help Massachusetts produce its own clean
6 renewable energy. For generations as citizens of
7 the Commonwealth and dependent on imported fossil
8 fuels to power our homes and economy and always
9 sending a sizable portion of our earnings to
10 out-of-state power generators. Wind energy will
11 reverse that outward cash flow and reduce carbon
12 emissions as well.

13 Number two, careers in a changing economy.
14 Then Vineyard Wind Project offers lifelong careers
15 with excellent wages and benefits as our national
16 job market is undergoing fundamental changes. As
17 a trade union, we know that offshore wind is not
18 about, quote, a job, unquote; it's a career in a
19 growing industry.

20 Today apprenticeships and technical
21 certificate programs are the entry points, and
22 Vineyard Wind has already demonstrated meaningful
23 commitment to workforce development with its
24 Windward Force Fund. The company has contributed

1 more than \$200,000 to Mass Clean Energy Center
2 Workforce Grant Program.

3 Pile Drivers Local 56 was awarded \$100,000 in
4 May of 2018 by the Clean Energy Center to train
5 members in the Global Wind Organization, GWO,
6 basic offshore safety program. We have so far
7 graduated 24 men and women, journeymen and
8 apprentices from the training facility at Mass
9 Maritime Academy, with plans to train at least 36
10 more.

11 Vineyard Wind both talks the talk and walks
12 the walk in its commitment to growing the
13 workforce in New England.

14 Number three, real time meaningful response
15 to climate change. Climate change is having an
16 immediate impact on our families and our
17 communities, especially coastal communities. There
18 are many ways to respond, but inaction is not a
19 choice. Wind Energy substantially reduces the
20 amount of heat-trapping gases we put into the
21 atmosphere. The project allows us the opportunity
22 to make a difference in our own lives, but more
23 importantly, in the lives of our children and
24 grandchildren.

1 The men and women who are the pile drivers,
2 divers, and millrights of New England believe in
3 the offshore wind industry and wholly support the
4 acceptance of the Vineyard Wind SEIS in issuance
5 of permits to move forward.

6 Sincerely, this is signed by Joe Byrne, North
7 Atlantic States Carpenters Executive
8 Secretary-Treasurer; Robert Loubier, Eastern
9 Millrights Council; Joseph O'Brien, North Atlantic
10 States Carpenters; Dennis Lassige, North Atlantic
11 States Carpenters; myself, David Borrus, Pile
12 Drivers and Divers Local 56; Rodney Richard
13 Millright Local 1121; Derek Adamiec, North
14 Atlantic States Carpenters; Gary Rogers, Eastern
15 Millrights Council; and Andy Benedetto, Eastern
16 Millrights Council.

17 Thank you very much for the opportunity.
18 Thanks. Thanks very much.

19 CHRISTINE DAVIS: David, and you are
20 submitting that letter to the written record,
21 correct?

22 DAVID BORRUS: That is. It has already been
23 submitted.

24 CHRISTINE DAVIS: Okay. Great, because I

1 didn't want to have to make you spell all those
2 names. So thank you for that.

3 DAVID BORRUS: They're all there.

4 CHRISTINE DAVIS: Okay. Great. Thank you so
5 much.

6 All right. Next, we'll have Paul, then
7 Nathanael, then David C., and Winston.

8 So Paul, you're available to provide your
9 comments now.

10 PAUL FORSBERG: Yes.

11 CHRISTINE DAVIS: Thank you. Go ahead.

12 PAUL FORSBERG: Okay. Hello, my name is Paul
13 Forsberg, that's P-a-u-l F-o-r-s-b-e-r-g. My
14 family owns and operates the Viking Fishing Fleet
15 in Montauk, New York. We have a dozen boats. We've
16 been in business since 1938, and we fish in New
17 York, Connecticut, and Massachusetts, and we had a
18 couple of boats in Florida.

19 Real quick, we're a fourth-generation family
20 business. We have -- we have 15 family members
21 directly involved in the business right now
22 between my brother and I. We have 15 grandkids
23 coming up. We hope that to give them the
24 opportunity of being mariners. Why I say that, is

1 because we are stakeholders in the area. We
2 really have a vested interest in making sure that
3 the windmills will be a positive to the fishing
4 community and not a negative.

5 I -- a brief history, I got out of the
6 fishing business. I got in the oil business in
7 the Gulf of Mexico, so I got to see how all of the
8 oil rigs in the Gulf of Mexico produce fish. I've
9 assisted by 100 of them or more. I can see what's
10 coming. Our family believes that when the
11 windmills are built, the turbine basins are going
12 to provide fabulous habitat for fishing, and we
13 think that the fishing is going to be
14 unbelievable. It's gonna be beyond anything we've
15 ever seen before.

16 So my entire family is 100% behind offshore
17 wind.

18 I -- while I was in the Gulf of Mexico, I got
19 a call, I came up, and last year I ran a boat
20 doing survey work for Vineyard Wind. We did the
21 south of Martha's Vineyard. We went down in North
22 Carolina as well. So I got to see how all that
23 survey stuff works.

24 There's a lot of negativity about the

1 windmills that the survey boat gave out there,
2 electrical -- electronic pulses and things like
3 that at fault. I spent a tremendous amount of
4 time in the -- in the surveys shacks with the
5 survey folks and all? I mean, to be honest?
6 Every single fishing boat out here has just as
7 powerful of equipment as the survey boat, it's
8 just like it a little bit.

9 So a lot of things that I heard through the
10 grapevine were about how bad this offshore wind
11 was going to be from the not-in-my-backyard people
12 was false. I saw it with my own eyes. I can
13 shoot holes in just -- in quite a bit of it
14 because I can speak both languages. I'm pretty
15 fortunate having grown up in this area, fished for
16 a very long time in the area, passenger fishing,
17 longline dragging, one scallop trip. I know the
18 area. I know the area like the back of my hand.
19 I know a lot of the guys around here.

20 Long story short, my family is 100% behind
21 offshore wind, we think it's a magnificent
22 opportunity for the struggling fishing communities
23 such as Montauk, where I come from, to be able to
24 capitalize on the offshore wind business and

1 provide jobs for our folks.

2 Like I said, I got two grandkids myself. My
3 brother and I have 15 grandkids coming up. We
4 would like the opportunity for them to become
5 mariners. Working on the water is a way of life,
6 and it's an identity.

7 And we will not be able to do it in the
8 fishing business. The fishing business is
9 collapsing. There is -- with the permits and with
10 the climate change, and with the vessel
11 consolidation, and more and more fiberglass boats,
12 because all the boats are recreational people, the
13 fish don't really have a chance. And we'll be out
14 of business within probably five to 10 years, I
15 would assume, if that something doesn't happen.

16 The entire recreational and for-hire fishing
17 business is suffering to that -- I mean, there's
18 not one that's not -- the big guys are gone.

19 So we're all for it. We think this is a
20 magnificent opportunity to the future.

21 Seeing the opportunity, when I was running
22 the survey both back and forth, and talking to
23 different fishermen guys I know, I decided to
24 start a business called Offshore Wind Farm

1 Support. And the whole focus of that business is
2 to help struggling fishermen that want out of the
3 fishing business to get involved in offshore wind.

4 I have not advertised it. I've just --
5 interest in simply word of mouth. I have 50
6 fisherman that want to go to work offshore wind.
7 None of the boat owners, the commercial boat
8 owners, but the captains and crew members -- as
9 commercial fishermen, you're only as good as your
10 last trip anyway.

11 But the rest of the guys that are working on
12 deck and on the boats all want to get involved in
13 offshore wind, and this is a magnificent
14 opportunity to provide a really nice lifestyle for
15 men on the water in the northeast.

16 And with that, I'm going to thank you very
17 much for my time.

18 CHRISTINE DAVIS: Thank you.

19 Next we have Nathanael, then David Z., and
20 then Winston, and we'll take a short break after
21 that.

22 So go ahead Nathaniel. State and spell your
23 name, please.

24 NATHANAEL GREENE: Yes. Can you hear me?

1 CHRISTINE DAVIS: I can hear you just fine.
2 Thank you.

3 NATHANAEL GREENE: My name is Nathanael
4 Greene; that's N-a-t-h-a-n-a-e-l, and then Greene,
5 G-r-e-e-n-e. I'm the Senior Renewable Energy
6 Advocate for the Natural Resources and Defense
7 Council. We're a national environmental nonprofit
8 with over 2 million members and online activists.

9 I want to thank you for the opportunity to
10 provide this statement in this online forum.

11 We need offshore wind and we need to do it
12 right. The reason Vineyard Wind' Supplemental
13 Draft Environmental Impact Statement, which
14 expands the prior cumulative activity scenarios
15 for offshore wind development, reveals that
16 offshore wind can be done in an environmentally
17 responsible way and provide the clean energy that
18 the East Coast states are demanding. The study
19 should help Vineyard Wind and other offshore wind
20 projects advanced quickly now.

21 The analysis notes, that as offshore wind
22 advances, we will likely see reduced emissions
23 from polluting fossil fuel plants and improved air
24 quality. And every investment in renewable energy

1 helps in the fight against climate change.

2 When it comes to the climate crisis, we
3 cannot afford a no-action alternative. While we
4 fight climate change, we can and must also avoid,
5 minimize and mitigate potential threats to ocean
6 life by taking precautions while citing,
7 constructing, and operating turbines, and
8 committing research and project monitoring to
9 understand the project's impacts in our oceans and
10 wildlife.

11 We worked with Vineyard to sign the landmark
12 agreement that would protect highly endangered
13 North Atlantic Right Whale during Construction and
14 Operation for what we anticipate will be the first
15 U.S. commercial-scale wind project. And while the
16 Supplemental Environmental Impact Statement does
17 not assume that all developers will adopt these
18 smart measures, it does acknowledge that doing so
19 would better protect marine wildlife. This is why
20 states and the Federal Government should be
21 requiring these types of best practices from all
22 developers.

23 Fact is, like any type of energy, offshore
24 wind poses some risks to the environment it

1 operates in, and some wildlife populations may be
2 hard pressed to acclimate to additional stressors.
3 The supplemental document factors in the state's
4 true thirst for clean offshore as a wind energy
5 source.

6 The expanded analysis predicts that offshore
7 wind farms will generate approximately 22
8 gigawatts and enough to power nearly 8 million
9 homes along the U.S. Atlantic Coast within the
10 next decade.

11 Looking at the full scale of offshore wind
12 development reinforces how it is more important
13 than ever to ensure that when projects adequately
14 protect the ocean resources we rely on for food,
15 jobs and recreation. To do this, the federal and
16 state governments need to adopt measures that
17 avoid, minimize, and mitigate underwater noise,
18 ship strikes and turbine collisions.

19 Vineyard Wind's project has committed to
20 advance wind construction and operations in an
21 environmentally responsible way, and this needs to
22 be the rule.

23 Federal and State permitting agencies should
24 also require ongoing collaborative research and

1 ensure that we're learning how to build offshore
2 wind with less and less impact as we go. These
3 include the impacts on science and research --
4 with these included, the impacts on science and
5 research could really be beneficial.

6 NRDC will be submitting detailed comments on
7 the supplemental review document to strengthen the
8 cumulative impacts findings further, but the broad
9 thrust is clear. We must move ahead with offshore
10 wind projects and do so in a way that protects the
11 environment.

12 Thank you again for this opportunity.

13 CHRISTINE DAVIS: Thank you so much.

14 Okay. Next we have David V. and then
15 Winston. And we are going to take a short break
16 after that.

17 And so I'll turn it over to David at this
18 point.

19 DAVID ZEEK: Yes, this is David Zeek. Can
20 you hear me?

21 CHRISTINE DAVIS: Yes, I can. Thank you.

22 DAVID ZEEK: Thank you. David Zeek,
23 D-a-v-i-d Z-e-e-k, and I represent the
24 Massachusetts Chapter of the Sierra Club.

1 I want to thank you for the opportunity to
2 speak today in favor of the Vineyard Wind 1
3 Project. This is an exciting venture into a new
4 clean energy source for Massachusetts or New
5 England and for the nation, a new venture that
6 will lay the groundwork for much more to come.

7 Development of offshore wind cannot wait.
8 Offshore wind energy is critical for meeting clean
9 energy goals in New England and the emission
10 reductions necessary to stop the most catastrophic
11 effects of climate change. Offshore wind
12 represents over 50% of the potential clean energy
13 resources in the region.

14 Vineyard Wind will create 3600 new jobs for
15 local residents, the first of more than 80,000
16 jobs in this industry over the next 10 years.

17 Vineyard Winds project is precedent setting
18 for responsible development. Vineyard Wind signed
19 a landmark agreement with the National Wildlife
20 Federation, National Resources Defense Council,
21 and Conservation Law Foundation to protect the
22 highly endangered North Atlantic Right Whale
23 during project construction and operation. This
24 agreement should be a model for future

1 developments.

2 Vineyard Wind has also pledged to sign the
3 nation's first offshore wind project labor
4 agreement to ensure fair compensation and the
5 highest construction standards for the project.
6 Vineyard Wind's contributions have helped to
7 jump-start workforce training for offshore wind
8 jobs on Martha's Vineyard and its six educational
9 and workforce training institutions in the
10 Commonwealth.

11 Also, I want to compliment that the
12 examination of this cumulative impact to the
13 Supplemental EIS has been productive. The uniform
14 adoption of the one-by-one-nautical-mile grid
15 neatly addresses access and transit questions from
16 multiple wind farms and multiple developers. So
17 many people have complimented this particular
18 option; I won't. I won't say more about that.

19 Cumulative impact is also the smart
20 perspective for assessing the effects of offshore
21 wind development and operations on marine and
22 avian populations. Going forward, monitoring and
23 managing wildlife populations can only be done
24 well from this macro view.

1 The Supplemental EIS states that in the
2 absence of offshore wind development, additional
3 more polluting fossil fuel energy facilities would
4 come or be kept online to meet future power demand
5 fired by natural gas, oil or coal. So time is of
6 the essence.

7 Vineyard Wind was selected as Massachusetts
8 first offshore wind project in May 2018, more than
9 two years ago. There is a price for delay.
10 There's a price for uncertainty. So disapproval
11 of the Vineyard Wind project at this point would
12 create doubt and uncertainty about the regulatory
13 and political environment for the development of
14 offshore wind power in New England.

15 Let us lay out a clear path for further
16 development of offshore wind power by approving
17 this project. The climate crisis and ensuing
18 health crisis, demand that we stand up these
19 projects as fast as the responsible development
20 will allow. It's time to move forward.

21 Thank you, Christine.

22 CHRISTINE DAVIS: Thank you, David.

23 All right. Up next, we have Winston, and
24 then we will take a break after Winston's done.

1 I'll provide just a little bit of guidance as to
2 how the break is going to work and when we'll be
3 back.

4 So with that, I'll turn to Winston.

5 WINSTON VAUGHAN: Testing, one, two.

6 CHRISTINE DAVIS: Gotcha. Thank you.

7 WINSTON VAUGHAN: Excellent. Thank you all
8 for the invitation to participate in today's
9 discussion.

10 My name is Winston Vaughan. I'm the Boston
11 Director of Climate Solutions at Healthcare
12 Without Harm. We're a global nonprofit that works
13 to transform healthcare worldwide by proactively
14 reducing the sector's carbon footprint, becoming a
15 community anchor for sustainability, and becoming
16 a leader in the global movement for environmental
17 health and justice. We've worked with over 36,000
18 hospitals and help centers in 60 countries
19 worldwide, including leading healthcare
20 institutions in New England.

21 I'm here today to speak in support of the
22 Vineyard Wind project. Because we believe that
23 clean renewable energy is essential to preserving
24 public health and protecting both our facilities

1 and the communities we serve from the impacts of
2 climate change. Offshore wind also has the
3 potential to reduce New England's notoriously high
4 energy costs and help energy intensive businesses,
5 like healthcare, recover from the financial
6 impacts since the COVID crisis.

7 The healthcare sector is our Commonwealth's
8 largest employer employing nearly a half a million
9 people. It's The only sector of our economy that
10 has healing as our mission. Our healthcare
11 industry is working hard to reduce our own impact,
12 as well as addressing vulnerability and resiliency
13 to the impacts of climate change.

14 By the end of the year, Boston Medical Center
15 will be running on 100% renewable energy on the
16 electricity side, and they're working on cleaning
17 up their thermal load next.

18 The Mass General Brigham system will be
19 carbon positive by 2025, but we still have much to
20 do and offshore wind is absolutely central to that
21 work.

22 Burning fossil fuels to generate electricity
23 is a major driver of air pollution in our
24 communities and is a major source of our region's

1 climate change contribution. Over the last few
2 months, we have seen all too clearly the
3 disproportionate impact that COVID has had on the
4 lives and health of low income communities and
5 communities of color who were disproportionately
6 burdened by air pollution from the burning of
7 fossil fuels making them more vulnerable to the
8 impacts of respiratory disease.

9 In order to effectively combat climate change
10 and protect the health of all the communities our
11 hospitals serve, we must not only transition to
12 renewable energy but do so in a way that brings
13 new renewable energy sources here to our region to
14 replace the power plants that are burning fossil
15 fuels and harming our health. Vineyard Wind 1
16 will provide enough clean energy to power over
17 400,000 homes and businesses, reduce carbon
18 emissions by 1.7 million tons per year, nitric --
19 nitric oxide solutions by 1,000 tons per year, and
20 sulfur pollution by over 860 tons per year.

21 It's also important to note that COVID has
22 not just ravaged the health of our community, it
23 has also taken a massive -- massive financial toll
24 on our economy and our healthcare system in

1 particular. According to the Boston Globe, Mass
2 General Brigham, the largest health care provider
3 in the Commonwealth, expects to lose over \$400
4 million per month just as a result of the
5 disruptions caused by the pandemic.

6 Power from offshore wind is not just cleaner,
7 It would also reduce the cost of energy, which
8 would help energy-intensive businesses, like
9 healthcare, recover more quickly from the
10 financial impacts of COVID.

11 Vineyard Wind alone is expected to save
12 ratepayers more than \$1.4 billion in
13 energy-related costs over the lifetime of the
14 project, money that is essential to our region's
15 economic recovery and our future economic
16 prosperity. These benefits are, of course, in
17 addition to the 36,300 -- 360 -- sorry, 3,600 jobs
18 that have been unionized that this project will
19 create which will also contribute to our region's
20 economic recovery.

21 I also want to briefly touch on the topic of
22 the proposed transit lanes in addition to
23 Alternative F. The size of the lease areas has
24 already been substantially reduced as the public

1 comment period and profits have continued over the
2 decades, and the spacing between turbines has
3 already been substantially increased to
4 particularly accommodate fishing and other ocean
5 uses. The addition of the proposed transit lanes
6 on top of those accommodations would mean 4,000
7 fewer megawatts of wind power coming online, which
8 according to the Healthcare Without Harms energy
9 climate calculator would translate to an estimated
10 additional 52 and a half premature deaths from air
11 pollution and an additional 25.3 ER visits for
12 asthma attacks every year. Over the course of
13 that life of the project, that would be 1,325
14 premature deaths from air pollution, and 625 ER
15 visits over that 25-year-life of the project.

16 As we know the health impacts of our existing
17 fossil fuel powered electric generation falls
18 disproportionately on low income communities and
19 communities of color. By failing to consider
20 these impacts, impacts that could be mitigated by
21 generating more clean renewable offshore power,
22 I'm concerned that this analysis of the transit
23 line fails to account for the negative impacts on
24 environmental justice communities that Alternative

1 f would have. This is, of course, on top of the
2 lost jobs and businesses for our region due to the
3 smaller project as a result.

4 New England is best for some of the best
5 offshore wind resources on the planet, which
6 projects such as this can turn into an abundant
7 source of clean, inexpensive energy that can power
8 resilient, healthy and economically thriving
9 future for all communities in that region. We
10 urge you to allow this critical project to move
11 forward without further diminishment or delay.

12 Thank you.

13 CHRISTINE DAVIS: All right. Thank you,
14 Winston.

15 So with that, we're going to take a break in
16 just a few minutes, but a couple of things to
17 think about. We're going to take about a
18 10-minute break and rejoin. I'm going to -- just
19 shy of 10 minutes, I think, if that's okay at
20 3:20.

21 In the meantime, for those of you that are on
22 screen, I encourage you to give your eyes a break
23 and look away. However, you might want to also
24 check out the virtual meeting room that BOEM has

1 with all kinds of information on the project.

2 Those of you on the phone, grab a phone
3 charger, and we will be back at approximately
4 3:20.

5 And our next speakers will be Representative
6 Fernandes, then Jennifer M., Jamie J., David C.,
7 and Joel M.

8 And reminder, during this break if you would
9 like to use the Q & A function to enter questions,
10 we will take those at the end of the public
11 comment period. We have folks that are subject
12 matter experts that are online that will be
13 available to address those questions.

14 And if you are interested still in getting
15 into the queue, that is also an option, please
16 press Star 1, wait to speak to an operator. And
17 please be patient. They might get a number of
18 phone calls at the same time, and just hang on the
19 line until you're able to be put into the queue.

20 So with that, I'm going to put this on break,
21 and we will be back at 3:20.

22 (Short recess taken.)

23 CHRISTINE DAVIS: Okay. We'll get started in
24 just a little bit here as folks are joining back.

1 Hopefully you've had a chance to just refresh,
2 regroup. And we'll get going in just a minute.

3 We've got a number of speakers lined up.
4 Representative Fernandes, Jennifer M., Jamie J.,
5 David C., Angela M.

6 And a couple of things, so some housekeeping
7 things. We have had a number of questions that
8 have been entered into the Q & A box. You still
9 have the opportunity to do that. Also, if you
10 have any technical issues, please use the chat
11 function and that is on the screen.

12 Everybody's been doing a great job with the
13 five minutes. I know that I tend to speak quickly
14 sometimes. So please do, for the sake of the court
15 reporters, and those that are recording this
16 meeting for the public record, take your time.
17 And if you need more time at the end, we can
18 definitely add you to the back of the queue. We
19 want to make sure that everybody has an
20 opportunity to speak once. But if you need more
21 than five minutes, we can put you in the back of
22 the queue, or you can submit your comments via
23 writing.

24 So I guess the other thing was mention the Q

1 & As, the chat. We will, upon the conclusion of
2 the public comment period, get to answering
3 questions. And there are a number of ways that
4 you can provide comment. Today, obviously, we
5 have a meeting today, press Star 1 and be patient
6 with the operators; you get into the queue.

7 But you can also provide written and
8 electronic comments. We'll have that screen up
9 later on. And then, also, we do have one more
10 meeting on Thursday evening.

11 So with that, just want to see if the
12 Representative is available to join us.

13 DYLAN FERNANDES: Can you hear me?

14 CHRISTINE DAVIS: I can hear you just fine.
15 Go ahead. If you can state and spell your name,
16 please, and we'll move forward with the rest of the
17 public comment period. Thank you.

18 DYLAN FERNANDES: Thank you.

19 Yeah, name is Dylan Fernandes, D-y-l-a-n,
20 Fernandes, F-e-r-n-a-n-d-e-s, and I'm the State
21 Representative for Martha's Vineyard, Nantucket,
22 and -- and Falmouth, along with the island chain
23 of Gosnold. These are the communities closest to
24 the proposed project.

1 And I'm speaking to you today in support of
2 the Vineyard 1 -- the Vineyard Wind 1 proposal and
3 the need for broader implementation of offshore
4 wind in Massachusetts and in the United States.

5 The environmental impact of Vineyard Wind
6 will go far beyond just the clean electricity
7 provided to 40 -- 400,000 Massachusetts homes and
8 businesses. This proposal will serve as a
9 blueprint for other commercial scale offshore wind
10 projects and encourage more investment in
11 renewable energy.

12 This project is a really vital step forward
13 on the path to protecting our environment and
14 public health by transitioning to clean energy,
15 while also creating really important year-round
16 jobs that help boost our economy on the Cape and
17 islands and across Massachusetts.

18 Offshore wind projects throughout the world
19 have already created and continued to create tens
20 and hundreds of thousands of jobs that paved the
21 way for a clean energy future. Vineyard Wind will
22 sustain year-round economy for the Cape and
23 islands, as well as work to safeguard our
24 communities against the increasingly severe

1 impacts that we are facing of climate change.

2 And so locally, it's estimated that this
3 project will create around 3600 new jobs, both
4 locally and in Massachusetts. And as a project,
5 and with world class academic and training
6 institutions, a skilled and highly motivated
7 workforce and modern infrastructure, all in close
8 proximity to the project area, Massachusetts, and
9 in particular, our district here on the Cape and
10 islands, is ideally situated to host this emergent
11 clean energy industry in the United States.

12 And I'm encouraged by Vineyard Wind's
13 commitment to organized labor, which will ensure
14 both quality construction and fair compensation.
15 This could set the standard for labor agreements
16 for our country's offshore wind projects securing
17 fair wages and consistent work for local trades
18 people across our region.

19 And most importantly, Vineyard Winds and
20 offshore wind projects are essential to
21 Massachusetts and the United States reaching our
22 climate goals. We need to transition to clean
23 energy for -- to a clean energy future if we want
24 to have a future. And as the representative of

1 more coastline than any other rep in
2 Massachusetts, maybe -- maybe the nation, my
3 district will be forever changed with rising sea
4 levels.

5 And lack of clean air from the burning of
6 fossil fuels already causes tens of thousands of
7 early deaths of Americans each year, and that has
8 been especially glaring. This fossil fuel
9 pollution during this pandemic, where communities
10 with poor air quality caused by fossil fuels,
11 which tend to be disproportionately communities of
12 color are suffering the most from this pandemic.

13 As a state, we've led the nation in advancing
14 clean energy, and we're very proud to be the first
15 to call for a utility scale offshore energy, first
16 with 1600 megawatt procurement, added on an
17 additional 3200 more. And we want to continue to
18 lead with this Vineyard Wind project, and we hope
19 that it gets moved along thoughtfully but also
20 expeditiously, because we do not have a lot of
21 time to wait when it comes to combating climate
22 change.

23 And there is no issue, no greater issue
24 facing my generation and my children's generation

1 than global warming and the effects that come with
2 it.

3 Vineyard Wind has been thoughtful and
4 diligent in their planning. They have carefully
5 weighed the potential environmental impact. And
6 they've done a really strong job at listening to
7 the community for feedback.

8 I strongly support the Vineyard Wind
9 proposal, and I hope BOEM will look favorably on
10 the project and issue the necessary permits. I
11 want to -- I want to thank BOEM, I want to thank
12 you guys for your time, for holding these sessions
13 for allowing the community to weigh in.

14 And with that, just want to extend my
15 appreciation for your work. Thank you.

16 CHRISTINE DAVIS: Thank you for your
17 comments, Representative.

18 And up next, we have Jennifer M., then Jamie,
19 then David, and then Joel.

20 So Jennifer?

21 JENNIFER MENARD: Hello, this is Jennifer
22 Menard, J-e-n-n-i-f-e-r, Menard, M-e-n-a-r-d. I'm
23 the Vice President of Economic and Business
24 Development at Bristol Community College, and I

1 oversee the National Offshore Wind Institute, or
2 the NOWI, at Bristol Community College.

3 The NOWI will provide a comprehensive HS&E
4 and GWO, or Global Wind Organization, required and
5 needed training, as well as customized training in
6 addition to Bristol's academic certificate and
7 associate's degree program in offshore wind.

8 Bristol is investing in this effort to
9 support the -- support the capture of the full
10 potential of the U.S. offshore wind workforce for
11 developers and suppliers as well. Bristol
12 continues to make these investments to support the
13 Vineyard Wind 1 Project with an expected 3600 jobs
14 that will be created over the next few years while
15 making a significant contribution to the efforts
16 to tackle climate change by avoiding the emission
17 of almost 1.7 million tons of carbon dioxide per
18 year, the equivalent of removing 325,000 cars off
19 the road.

20 It is imperative through organizations like
21 Bristol Community College to have a clear planned
22 out timeline to support these and additional
23 investments in the offshore wind workforce
24 infrastructure. Certainly -- certainty that these

1 projects will be permitted and constructed on a
2 predictable and reasonable timeline will make
3 these investments sound.

4 Importantly, to maximize economic development
5 opportunities, the business sector needs
6 confidence that demand in the U.S. offshore wind
7 market is real with consistent and reliable
8 projects. And during construction, to allow
9 workers to gain experience and qualifications
10 needed to advance within the workforce and replace
11 the European workforce over time. This means that
12 projects in the permitting and development
13 timeline must be permitted in a timely -- timely,
14 reasonable manner.

15 Bristol and its National Offshore Wind
16 Institute will provide the needed training and
17 educational pathways that asks for a clear and
18 transparent timeline, starting with Vineyard Wind
19 1 with no further delays.

20 Bristol Community College strongly supports
21 Vineyard Wind 1 and the issuance of the
22 Supplemental Environmental Impact Statement.

23 We very much thank BOEM for this opportunity
24 to speak today, and we're excited for the -- for

1 this to start. So thank you.

2 CHRISTINE DAVIS: Thank you.

3 Jamie J., you're up next. And then David C.,
4 and Joel M.

5 So Jamie, are you with us? Jamie?

6 If we have not gotten Jamie at this time, I
7 think we'll move forward with David, and if Jamie
8 rejoins us, we'll make sure to add Jamie to the
9 end or get back in the queue.

10 So, David, are you available?

11 DAVID COLE: I am. Can you hear me?

12 CHRISTINE DAVIS: I can hear you just fine.
13 Thank you, David.

14 DAVID COLE: Good. Well, I -- Jamie is a
15 neighbor, a neighbor and a friend, so I -- I hope
16 you find him. He's speaking on behalf of UMass
17 Dartmouth.

18 But my name is David Cole; David, D-a-v-i-d,
19 C-o-l-e. I'm a member of Mass Audubon's Climate
20 Change Committee, and I was a cofounder of a local
21 organization named the South Coast Climate Change
22 Coalition.

23 Others appearing today are providing you with
24 more short-to-medium term, professional

1 information on the environmental impact of the
2 offshore wind projects. I would like to present
3 you a personal perspective on the longer term
4 environmental impact of delaying actions or
5 reducing the scope of the proposed projects.

6 I live at Westport Point on the South Coast
7 of Massachusetts in our house built in 1776, an
8 auspicious year. Our house, on the bank of the
9 Westport River Estuary has survived hurricanes and
10 floods for 244 years, but it now faces the threat
11 of being underwater in the coming decades due to
12 the rising sea levels, or being destroyed by more
13 powerful hurricanes and storm surge.

14 I am 92 years old; I was born in the year
15 when Herbert Hoover was elected president,
16 unhappily; I lived through the Great Depression
17 and World War II; I worked to -- in a destitute
18 and impoverished China Immediately after that war;
19 served in a war-ravaged South Korea with the U.S.
20 Army in the early 1950s; worked in Vietnam between
21 the wars in the mid '50s; and was in Washington in
22 the State Department in 1963 when I attended
23 Martin Luther King's I Have A Dream speech; and I
24 suffered the agony of President Kennedy's

1 assassination; my professional career as an
2 economist was devoted to assisting major Asian
3 countries, such as South Korea and Indonesia, to
4 achieve rapid economic development.

5 So I have a sense of living history sometimes
6 tragic, sometimes hopeful. But the awareness that
7 climate change could radically alter life on this
8 earth within only -- within only one half of my
9 lifetime terrifies me. That feeling is further
10 compounded by the thought that my nine
11 grandchildren will be struggling to survive the
12 existential threat of the climate crisis in their
13 lifetimes if we fail right now to prevent that
14 threat.

15 State-of-the-art wind turbines along the
16 Atlantic Coast will be among the most if not the
17 most efficient means of generating electricity
18 available to this country. That means we can have
19 the direct benefits of low-cost power, more jobs,
20 more revenue for governments and adequate profits
21 for the investors. But of much greater
22 significance will be the indirect benefits or
23 externalities of less harm to public health and
24 less poverty -- property damage from forest fires,

1 floods and strong winds.

2 The current COVID crisis provides a painful
3 example of the kinds of threats that will be faced
4 in the future if we fail to cut carbon emissions.

5 This past winter and spring, we had many very
6 windy days and nights along the New England coast.
7 As we were buffeted by these winds, I kept
8 thinking, if only those wind turbines were in
9 place, just imagine how much power they could be
10 generating and how much carbon emission they could
11 be avoiding.

12 A number of highly qualified companies are
13 ready to begin construction on these projects and
14 are just awaiting your approval. I urge you to
15 complete this already too-lengthy review process
16 as quickly as possible and let this most hopeful
17 activity begin. Please act now to preserve as
18 livable a world as possible for my grandchildren
19 and your children.

20 And I would just finally note, we've had
21 presentations from now 19 -- 18, 19 people; they
22 all are in favor and positively supporting these
23 projects. So I just urge that you hear that
24 message and finish up this process and get us

1 going on the actual installation of these
2 projects.

3 Thank you very much.

4 CHRISTINE DAVIS: All right, thank you.

5 Next up, we'll have Joel M. then Paul A.
6 then, Don K., Fred Z, Francis P. and -- I was not
7 able to see the last name of Blake.

8 Um, just a couple of reminders before I turn
9 it over to Joel. If you would like to speak and
10 haven't seen your name in the queue, we do have a
11 few names after that, please press Star 1 and
12 speak to the operator to make sure that you're in
13 the queue. Also, if you have any questions, you
14 can use that chat function. And we do ask that you
15 state and spell your name. And we've been doing a
16 great job of that, but just wanted to put that
17 reminder out there again.

18 So with that, I'm going to turn it over to
19 Joel. Joel, go ahead.

20 JOEL MERRIMAN: Hi, can you hear me?

21 CHRISTINE DAVIS: Yes, I can hear you just
22 fine. Thank you.

23 JOEL MERRIMAN: Great. My name is Joel
24 Merriman. J-o-e-l M-e-r-r-i-m-a-n. I'm the Bird

1 Smart Wind Energy Campaign Director at American
2 Bird Conservancy.

3 ABC as a 501(c)(3) nonprofit dedicated to
4 conserving wild birds and their habitats
5 throughout the Americas. As part of our threat
6 abatement program, we have been working with
7 stakeholders to promote bird-smart wind energy
8 development practices for over 10 years. We
9 appreciate the opportunity to provide these
10 comments. We limit our scope to Appendix A
11 Section 8.3 focused on bird impacts. We will
12 follow with more detailed written comments.

13 Like many, we were grateful that BOEM decided
14 to undertake an updated cumulative impacts
15 assessment that had high hopes for this
16 supplement. This analysis is critical and setting
17 the stage for a major new industry, and had the
18 potential to lock in good science and a solid
19 foundation for this development.

20 Unfortunately, we find ourselves disappointed
21 in the analysis of cumulative impacts to birds.
22 At points in this section, the authors draw
23 debatable conclusions without providing
24 substantive supporting information or methodology.

1 Some critically important issues are neglected
2 altogether. This consistently minimizes the
3 impacts of offshore wind on birds, and we are
4 concerned that this has resulted in a substantial
5 underestimate of the likely adverse effects.

6 Among our key concerns, Table A-9 is intended
7 to predict the number of birds that will be killed
8 by currently anticipated offshore wind facilities
9 on the Atlantic each year. The report
10 acknowledges that the list of species is
11 incomplete. Species that we know traverse wind
12 energy areas are not considered, including species
13 of conservation concern.

14 The data is heavily skewed. For example, it
15 is estimated that between zero and 1,346
16 Red-throated Loons will be killed each year, but
17 the media is six birds. Perhaps this is based on
18 sound data and analysis, but it is difficult to
19 assess as the description of the methods is
20 limited to a couple of sentences in footnotes.
21 This does not provide the clear, transparent,
22 robust analysis that we need to adequately assess
23 the risk of bird collisions with offshore wind
24 turbines.

1 The SEIS does not evaluate the impacts of
2 offshore wind energy development on land birds.
3 Large numbers of such birds make nocturnal
4 migratory flights in fall from the Northeastern
5 U.S. to wintering grounds in the Caribbean and
6 South America.

7 For example, a 2015 study found that the
8 Blackpoll Warbler, a songbird weighing less than
9 half an ounce, makes a nonstop fall migratory
10 flight from New England and Southeast Canada as
11 far as Northern South America.

12 As was similarly found in the Great Lakes,
13 these birds may fly within the rotor-swept zone of
14 offshore wind turbines creating risk of collision.
15 What's more, these birds migrate in flocks so any
16 such instance may result in relatively large
17 numbers of birds being killed in a single event.

18 Most surprisingly, the SEIS does not
19 substantively address likely impacts to the
20 species listed under the Endangered Species Act.
21 This includes the endangered Roseate Tern and
22 threatened Piping Plover, both of which are known
23 to traverse wind energy areas.

24 Consider that the environmental assessment

1 for the demonstration project for Dominion Wind in
2 Virginia consisting of two turbines and far from
3 the U.S. breeding areas for Roseate Terns,
4 acknowledges that there is a minimal risk of
5 collisions for this species. How is it that when
6 the full complement of projects off the Atlantic
7 Coast is considered, that it doesn't warrant
8 discussion let alone a conclusion that significant
9 impacts may occur?

10 Given these concerns and others, we urge
11 substantial revision and improvement to this
12 portion of the analysis.

13 First, we recommend a full review and
14 revision of the section focused on birds, with
15 more robust analysis and subsequently reassessed
16 impact statements.

17 Second, we recommend evaluation of impacts to
18 nocturnal migrant land birds and ESA-listed
19 species.

20 Third, we recommend a revised estimation of
21 the average number of birds that will be killed
22 each year by offshore wind turbines. This
23 estimate must provide clearly articulated methods
24 and reference to supporting data and include all

1 species potentially at risk.

2 Lastly, we recommend that a blueprint be
3 developed for compensating impacts to birds by
4 initiating conservation work that will benefit or
5 replace lost birds. Compensatory mitigation takes
6 time from concept to success, so it is critical
7 that we start this process now.

8 We are excited by the promise of offshore
9 wind energy, but this development must come with a
10 full understanding of the likely impacts to
11 wildlife and a plan to mitigate these impacts.

12 Again, thank you for undertaking this
13 important analysis and for this opportunity to
14 provide input.

15 CHRISTINE DAVIS: All right, thank you.

16 Next we have Polly (sic), then Don, then
17 Fred, and Francis, and then N. Blake. It looks
18 like Gabriel after about that. So with that, I'll
19 send it to Polly (sic). Please state and spell
20 your name.

21 HOLLY BELLEBUONO: Yes. Can you hear me?

22 CHRISTINE DAVIS: I can hear you just fine.

23 Thank you.

24 HOLLY BELLEBUONO: Okay. My name is Holly

1 Bellebuono; it's H-o-l-l-y, last name is
2 B-e-l-l-e-b-u-o-n-o.

3 I am here to express my full support for the
4 offshore wind projects south of Martha's Vineyard
5 and generally along the Eastern Seaboard.

6 As Executive Director of ACEMV, Adult and
7 Continuing Education of Martha's Vineyard, I am
8 excited to have welcomed our first cohort of
9 students this January who entered into an
10 among-the-first-of-its-kind certificate program in
11 partnership with Bristol Community College to earn
12 a credential as an offshore wind technician.

13 We enrolled 18 Martha's Vineyard residents to
14 study in a two-to-three year program that will
15 directly prepare them as technicians working on
16 offshore wind turbines.

17 We expect to welcome our second cohort of
18 students next January. And to continue this
19 educational program into the future will meet the
20 needs of renewable energy in Southeast
21 Massachusetts.

22 The response to this program has been very
23 positive and will provide our local year-round
24 residents with stable jobs, rewarding education,

1 and promising opportunities.

2 Secondly, as a former program director for an
3 environmental advocacy nonprofit in North
4 Carolina, I worked with task forces in West
5 Virginia and Kentucky to end the destructive
6 practice of mountaintop removal. I witnessed
7 firsthand the horrific devastation of hundreds of
8 thousands of acres of mature forest in a grab for
9 coal that completely destroyed ecosystems and
10 habitats for thousands of square miles of
11 Appalachian woodland.

12 There is no need for alternatives or
13 mitigation measures because there's nothing to
14 mitigate. The entire ecosystem is completely
15 gone. And mountaintop removal continues today at
16 an alarming pace.

17 My introduction to offshore wind has been the
18 opposite. As an educator and director, I've been
19 working with groups in the industry who are
20 committed to extremely low environmental impact.
21 There's no comparison between offshore wind and
22 mountaintop removal. The erection of turbines in
23 the ocean and the maintenance of them will have a
24 significantly lower environmental impact and is a

1 much more welcomed process than pursuing coal or
2 other fuels.

3 This may be one of the first large-scale
4 projects in which strong employment and
5 environmental protection coincide, and I urge BOEM
6 to fully support this project.

7 Thank you.

8 CHRISTINE DAVIS: Thank you, Holly. And
9 again, an example of the importance of stating and
10 spelling your name for us. So thank you so much.

11 All right. And with that, we'll turn to Don,
12 Fred, Francis and Blake and Gabriel. So, Don?

13 DON KEERAN: Thank you, Christine. My name
14 Don Keeran, D-o-n K-e-e-r-a-n. I'm Assistant
15 Director with the Association to preserve Cape Cod,
16 or APCC. Established in 1968, APCC is the Cape Cod
17 region including nonprofit, environmental advocacy
18 and education organization.

19 APCC has reviewed the Vineyard Wind SEIS and
20 has concluded that it is thorough and well thought
21 out analysis. And this analysis includes a
22 detailed study of the potential impacts of a
23 reasonably foreseeable scenario for offshore wind
24 development along the East Coast in the next

1 decade or so based on the assumption of future
2 offshore wind energy generation of more than 25
3 times the size of the Vineyard Wind Project. We
4 believe the report provides sufficient information
5 in support of the development of the offshore wind
6 industry, including the Vineyard Wind Project, and
7 the much needed clean, renewable energy it will
8 provide.

9 We also believe the report findings support
10 implementation of the east-west
11 one-by-one-nautical-mile layout without the
12 transit lines as the alternative for the Vineyard
13 Wind Project having the least impact and the most
14 benefit. And this, of course, is Alternative D-2.

15 After a very long empirical analysis by BOEM,
16 the U.S. Coast Guard and others, the one-by-one
17 layout without the transit lines stands out as the
18 most reasonable compromise that allows for
19 coexistence between the new offshore wind industry
20 and existing revenue uses, such as commercial
21 fishing industry, while protecting the marine
22 environment and setting the path forward for clean
23 energy production.

24 APCC therefore urges BOEM to move forward

1 with no further delay in the Vineyard Wind EIS
2 process with Alternative D-2 and the Covell Beach
3 landing as the selected alternative. And APCC
4 plans to submit work extensive written comments
5 before the end of the public comment period.

6 And with that, I will end by thanking BOEM
7 for the opportunity to comment in these hearings.
8 Thank you very much.

9 CHRISTINE DAVIS: Thank you. And thank you
10 for that reminder. The comment period is open
11 until July 27th.

12 So with that, I'll turn it over to Fred, and
13 then we have Francis and Blake and Gabriel.

14 So Fred, are you available?

15 FRED ZALCMAN: Yes, I am.

16 This is Fred Zalcman, F-r-e-d Z-a-l-c-m-a-n.

17 Good afternoon. Again, Fred Zalcman; I'm the
18 Head of Government Affairs for Orsted North
19 America, the world's leading developer of offshore
20 wind.

21 Now, you previously heard from our President
22 and Chief Operating Officer, David Hardy, who
23 voiced Orsted's enthusiastic support for the
24 release by BOEM of the Supplemental EIS as an

1 important milestone on the path to permitting the
2 U.S.'s first offshore wind farms, and who also
3 touched on some overarching concerns with the SEIS
4 as drafted.

5 The purpose of my testimony this afternoon is
6 to embellish a bit on one of those issues: The
7 SEIS's treatment of the cumulative economic
8 impacts of the development of the offshore wind
9 industry here in the U.S.

10 Now, individually and collectively, state
11 policymakers are making significant and long-term
12 commitments to the development of a U.S.-based
13 offshore wind market. Taken together, the U.S.
14 now represents nearly 30 gigawatts of market
15 potential through 2035 based strictly on the
16 procurement commitments that are already enshrined
17 in state law.

18 As a result of these state targets, offshore
19 wind offers the chance to create a brand new, U.S.
20 based heavy industry. These state commitments are
21 already starting to pay dividends. Orsted alone
22 will be investing over \$10 billion over the next
23 five years in the development of our contracted
24 U.S. offshore wind portfolio. This number will

1 only grow as additional power purchase agreements
2 are secured and we build out our lease areas.

3 Over the past several months, there's been a
4 steady drumbeat of significant public and private
5 sector announcements regarding investments in the
6 basic building blocks of an offshore wind
7 industrial ecosystem, ports and harbors,
8 manufacturing, shipbuilding and high-quality,
9 high-paying U.S. jobs.

10 I just wanted to highlight some of these
11 foundational investments.

12 First, as part of our U.S. build-out, Orsted
13 has already pledged nearly \$500 million for
14 port -- port facilities up and down the Eastern
15 Seaboard. These ports will serve the diverse
16 needs of the industry for component manufacturing,
17 staging and O&M. Recent commitments by the State
18 of New Jersey for the establishment of a dedicated
19 offshore wind port adjacent to the Hope Creek
20 nuclear facility in New York's imminent \$200
21 million RFP for ports and harbors infrastructure
22 demonstrates the scale and seriousness of this
23 investment. Investments like this will create
24 thousands of jobs, stimulate coastal economies,

1 and revitalize U.S. port infrastructure.

2 Second, offshore wind procurements, including
3 local content requirements, are spurring
4 significant investments in a domestic U.S. supply
5 chain. A prominent example of this is Orsted's
6 recently announced partnership with EEW, one of
7 the world's least -- leading producers of steel
8 monopiles, to establish the first U.S. based
9 offshore wind related manufacturing facility.

10 As U.S. based and foreign suppliers become
11 convinced the durability and scalability of the
12 U.S. offshore wind market, they will make the
13 necessary investment in local factories, people,
14 and inventory to support a robust homegrown supply
15 chain rather than incur the high shipping costs,
16 logistical issues and trade risks associated with
17 sourcing goods overseas.

18 Third, the efficient build-out of offshore
19 wind farms will require fit-for-purpose
20 installation vessels that are U.S. constructed,
21 flagged and crewed. Dominion Energy has recently
22 confirmed that it's leading a consortium of
23 investors who will commission the first U.S.
24 dedicated installation vessel at a cost of

1 approximately half a billion dollars.

2 Other specialized vessels will be required
3 such as the purpose-built crew transfer vessels
4 commissioned by Orsted in 2019 to ferry workers
5 from shore to the wind energy area for
6 construction and long term operation and
7 maintenance.

8 In short, the building of a homegrown U.S.
9 offshore wind industry will require capital and
10 human investment of tremendous breadth and depth.
11 These investments are already underway.

12 While the SEIS recognizes this trend, it
13 nonetheless concludes that the overall economic
14 impact will be marked -- minor. It's hard to
15 reconcile this qualitative assessment with the
16 body of the report and, indeed, with the public
17 record.

18 We respectfully request that BOEM reconsider
19 this finding and assign an impact rating
20 commensurate with the major domestic investments
21 made and contemplated by the industry, including
22 but not limited to those identified in the body of
23 the SEIS.

24 Thank you for your consideration of this

1 testimony. And again, appreciation for all the
2 hard work in putting the SEIS together.

3 CHRISTINE DAVIS: Okay. Thank you for your
4 comments.

5 Next we have Francis, and then M. Blake, and
6 then Gabriel.

7 Francis, are you available?

8 FRANCIS PULLARO: This is Francis. Am I loud
9 and clear?

10 CHRISTINE DAVIS: Loud and clear. Thank you.

11 FRANCIS PULLARO: My name is Francis Pullaro,
12 F-r-a-n-c-i-s, last name, P-u-l-l-a-r-o. And I'm
13 the Executive Director of RENEW Northeast or RENEW.

14 RENEW is a nonprofit association uniting
15 environmental advocates in the renewable energy
16 industry. Our mission involves coordinating the
17 ideas and resources of the members with the goal
18 of increasing environmentally sustainable energy
19 generation here in the northeast from our own
20 regions' abundant and indigenous renewable
21 resources.

22 RENEW seeks to promote policies, like
23 Massachusetts, with offshore wind development
24 requirements that will increase power system

1 reliability and achieve the Commonwealth's
2 environmental goals, including those found in its
3 renewable portfolio standard and its Global
4 Warming Solutions Act.

5 The 800-megawatt Vineyard Wind Project and
6 the several other projects and adjacent lease
7 areas that now have power purchase agreements will
8 also help spur development of local industry and
9 economic development.

10 On behalf of RENEW, I offer my appreciation
11 to BOEM for its work in completing the analysis of
12 the accumulated impacts of offshore wind
13 development through this Supplemental
14 Environmental Impact Study.

15 One of the pivotal outstanding issues being
16 reviewed by BOEM is that of navigational channels.
17 RENEW supports the Alternative D-2 with its
18 uniform one-by-one-nautical-mile layout, which the
19 Coast Guard determined, after a robust public
20 input process, would, quote, unquote, maximize
21 safe navigation.

22 The one-by-one layout, which was agreed to by
23 all the New England offshore wind leaseholders,
24 will provide ample and uniform navigation channels

1 and is significantly larger than the routes
2 provided in the more mature European offshore wind
3 industry.

4 The Coast Guard's MARIPARS report concluded
5 that the one-by-one nautical mile pattern,
6 orientation and spacing will safely accommodate
7 vessel transits, traditional fishing operations,
8 and search -- and search-and-rescue operations as
9 well.

10 The recommendations on navigational safety
11 the Coast Guard's report provide examples of how
12 offshore wind development is totally compatible
13 with existing commercial and recreational activity
14 in the wind -- wind energy area. For these
15 reasons, RENEW opposes the new Alternative F
16 proposal that would include the insertion of
17 unnecessary wider transit lanes.

18 RENEW respectfully requests BOEM
19 expeditiously approve the project consistent with
20 the Alternative D-2 one-by-one-nautical-mile
21 turbine layout to enable this region to meet their
22 schedules for renewable energy deployment and
23 carbon reduction.

24 Thank you for the opportunity to provide this

1 testimony.

2 CHRISTINE DAVIS: Thank you.

3 Next we'll have M. Blake, then Gabriel, Heidi
4 -- G. and R. are the initials, and I'm looking
5 forward to hearing pronunciation there. And then
6 Charles M. and Nancy S.

7 And right now those are the names that we
8 have. If you have not had a chance to get your
9 name in the queue, if I have not read those,
10 please press Star 1 now, ask to speak to the
11 operator. Or the operator will then come online.
12 Be patient with that, because they're transferring
13 calls into the queue, too. They've got a couple
14 of different responsibilities.

15 So if you haven't had a chance to get your
16 name in the queue now, please do so.

17 And then also as a reminder, we've got the Q
18 & A function for questions at the end of the
19 speaker comments.

20 So with that, I will turn it over. Can you
21 state and spell your name please?

22 NICOLA BLAKE: Hi, can you hear me?

23 CHRISTINE DAVIS: I can hear you just fine.
24 Thank you so much.

1 NICOLA BLAKE: Great. Thank you.

2 Yeah, my name is Nicola Blake. That's
3 N-i-c-o-l-a B-l-a-k-e. And, yeah, I'm a Ph.D.
4 atmospheric chemist, and I'm a member of my local
5 energy committee for the hometown -- my hometown
6 of West Tisbury, which is on Martha's Vineyard.

7 And as a Ph.D. scientist, I'm of course
8 extremely concerned about the accelerating pace of
9 climate change caused by pollution of our
10 atmosphere and oceans by the burning of fossil
11 fuel carbon. And at the university, I'm a
12 NASA-funded researcher, I have observed firsthand
13 just how fast the atmosphere is changing and how
14 vulnerable we are to these irreversible,
15 potentially -- actually, I think they are
16 irreversible -- global scale upheavals that are
17 being caused by our use of the atmosphere and
18 oceans as the free trash can.

19 This use of our atmosphere environment, like
20 I said, it's a free trash can for carbon, is no
21 longer acceptable and certainly it's not
22 sustainable.

23 So like I said, as a scientist and also a
24 year-round resident of Martha's Vineyard, I'm an

1 enthusiastic -- enthusiastic supporter of offshore
2 wind. And specifically, I support the current
3 Vineyard Wind Project.

4 I followed the progress of the Vineyard Wind
5 development over the past many years, and I'm very
6 impressed with -- and I've been very much
7 reassured by the lengths that Vineyard Wind have
8 already gone to -- to address our local and
9 regional environmental concerns.

10 But by the same token, thanks to BOEM and
11 Vineyard Wind for being so thorough with the
12 review process. But I just wish to testify that
13 we can no longer afford to wait to make this much
14 needed transition to nonfossil fuel energy
15 sources.

16 So, as a Massachusetts resident, I'm very
17 much aware that we need to use all our green
18 options, but also our most bountiful and best
19 options for no or low carbon energy is for
20 Massachusetts to transition to offshore wind, and
21 specifically, to Vineyard Wind with no further
22 delay.

23 So I just wanted to bring it down to basics
24 for you guys.

1 And, also, thanks so much to Julian Cyr. I'm
2 so lucky to have you as my State Senator, and I
3 support your call, more specifically to not grant
4 extra transit lanes.

5 And also endorsed the testament today that I
6 heard from my State Rep, Dylan Fernandes. So
7 thanks, everyone. I really appreciate everything.

8 Thanks. Bye.

9 CHRISTINE DAVIS: Thank you for your
10 comments.

11 Next we'll have Gabriel, Heidi, Initial G.R.,
12 Charles M., and then Nancy S.

13 So with that, Gabriel? Gabriel, are you
14 still with us. If we don't get Gabriel on the
15 line, we'll add Gabriel to the end.

16 So with that, I think I'm gonna switch over
17 to Heidi. Heidi, are you with us?

18 HEIDI RICCI: Hello? Yes, I'm here. Thank
19 you.

20 Can you hear me?

21 CHRISTINE DAVIS: I can hear you just fine.
22 Go ahead, Heidi. Thank you.

23 HEIDI RICCI: Great. Thanks so much for this
24 opportunity.

1 So my name is Heidi Ricci; I'm Acting
2 Director of Advocacy at Mass Audubon. Mass
3 Audubon's mission is to protect the nature of
4 Massachusetts for both people and wildlife.

5 Since our founding in 1896, Mass Audubon has
6 advocated for sound environmental protection laws
7 and regulations at all levels of government.
8 Today, climate change is the greatest threat to
9 the environment. We have to drastically reduce
10 our greenhouse gas emissions in the next decade to
11 avoid the most dangerous impacts of climate
12 change. Therefore, Mass Audubon supports a rapid
13 transition away from fossil fuels and to clean,
14 sustainable and renewable energy sources
15 consistent with the State's decarbonization
16 roadmap to reach net zero carbon emissions by
17 2050.

18 Offshore wind plays a key role in this
19 transition as it is among the most cost effective,
20 competitive and reliable clean technologies
21 available.

22 Mass Audubon supports the responsible
23 development of offshore wind including Vineyard
24 Wind. We recognize that any energy resource has

1 environmental impacts, and the impacts of this and
2 other offshore wind projects need to be carefully
3 evaluated in order to avoid, minimize and mitigate
4 the impacts as much as possible. We appreciate
5 the efforts of BOEM to evaluate the project and of
6 Vineyard Wind to develop plans for it in a
7 responsible manner.

8 We also recognize that there are many
9 unknowns for new industry of this scale;
10 therefore, Vineyard Wind and other offshore wind
11 projects need to incorporate robust measures to
12 monitor the effects, including impacts on birds
13 and other wildlife. And we need to use an
14 adaptive management approach to respond
15 appropriately over time.

16 Specifically, in regards to birds, we offer
17 the following comments: The greatest threat to
18 birds today is climate change. Of Massachusetts'
19 143 breeding bird species, 43% are highly
20 vulnerable to the effects of climate change.
21 These impacts include warmer temperatures,
22 altering the lengths of the seasons, and
23 interrupting traditional migration patterns, as
24 well as causing desynchronization with essential

1 food sources and many other impacts.

2 Climate change is impacting species across
3 all habitats, both coastal and inland. It's
4 causing accelerated sea-level rise and stronger
5 ocean storms that wreak havoc on coastal bird
6 habitats in particular, drowning out nesting and
7 foraging areas for species, including the federally
8 protected Roseate Tern and Piping Plover.

9 The mitigation program for offshore wind
10 should include funding for both monitoring birds
11 and for habitat improvement projects, because
12 we're not going to be able to detect all of the
13 impacts. And we know that the birds need this
14 help with their habitat, particularly coastal
15 breeding birds and their colonies.

16 So Vineyard Wind is precedent setting for
17 responsible development, and also because it's the
18 first commercial scale offshore wind energy
19 project.

20 We urge them to proceed expeditiously in
21 completing environmental review and permitting
22 processes for this project so that it can move
23 swiftly forward to construction.

24 Thank you.

1 CHRISTINE DAVIS: Thank you.

2 Next we'll go to the individual with initials
3 G.R. And then after that, Charles M., and we'll
4 get back caught up with the queue after that. So
5 go ahead.

6 GORDIAN RAACKE: Yes, hi. Can you hear me?

7 CHRISTINE DAVIS: I can hear you just fine.

8 GORDIAN RAACKE: Yeah, my name is Gordian
9 Raacke, G-o-r-d-i-a-n R-a-a-c-k-e; and I am the
10 Executive Director of Renewable Energy Long Island,
11 a regional not-for-profit organization.

12 First of all, thank you for the opportunity
13 to provide comments and for conducting such a
14 comprehensive analysis as part of the Vineyard
15 Wind SEIS.

16 There -- the Vineyard Wind 1 is, I think, of
17 great significance because it will be the first
18 large offshore wind project in the U.S. -- in U.S.
19 federal waters, and will play, I believe, a
20 pivotal role in starting a vibrant offshore wind
21 industry in our country.

22 While this industry is just emerging here,
23 the industry is fully developed in Europe where
24 thousands of offshore wind turbines are in

1 operation today. And we clearly have some
2 catching up to do, as the European wind industry
3 is about 20 years ahead of us.

4 Tapping into our large offshore wind
5 resources will deliver important benefits
6 including environmental, climate and health
7 benefits, as well as important economic benefits,
8 such as the creation of tens of thousands of
9 well-paying jobs and establishing a new industry
10 and related supply chain activities here. And, of
11 course, it will provide benefits for utility
12 customers.

13 Now in order to obtain these benefits, we
14 need to not only catch up with the European
15 industry but demonstrate that responsibly
16 developed offshore wind projects will be able to
17 obtain the required permits with reasonable
18 regulatory restrictions as appropriate and within
19 reasonable timeframes.

20 The proposed one-by-one-nautical-mile layout,
21 according to the Coast Guard, will maximize safe
22 navigation in the wind energy areas. And while
23 this will reduce possible energy generation in
24 these areas by 30% or so, it addresses important

1 concerns which were raised by competing users of
2 these areas.

3 However, increase or widening transit --
4 transit lanes, as in Alternative F, appears likely
5 to cause significant cost increases to utility
6 customers and further delays and greater
7 environmental impacts. Alternative F would likely
8 reduce the benefits from offshore wind projects,
9 such as reducing emissions, and economic and job
10 creation benefits; and we, therefore, urge you to
11 reject this alternative.

12 To sum up, we are grateful for your work and
13 urge you to move forward as expeditiously as
14 possible to ensure that our region and our country
15 will be able to harness our great offshore wind
16 resource and the environmental and economic
17 benefits that come with it.

18 Thank you.

19 CHRISTINE DAVIS: Thank you.

20 Next, we'll have Charles M., then Nancy F.
21 Wayne G. (sic), Joel R. and then we've Gabriel
22 back in the queue.

23 And if anyone else is interested in joining
24 the queue, please do press Star 1, speak to the

1 live operators. Please be patient and we'll get
2 you in. We want to make sure anyone who has a
3 desire to speak today is given that opportunity.

4 So with that, I'll turn it over to Charles.

5 CHARLES MAYO: Yes, are you hearing me?

6 CHRISTINE DAVIS: Hearing you loud and clear.
7 Thank you very much.

8 CHARLES MAYO: Great. Thank you.

9 My name is Charles, C-h-a-r-l-e-s, Mayo,
10 M-a-y-o; I'm Senior Scientist at the Center for
11 Coastal Studies, I chair the Ecology Department,
12 and I am Director of the North Atlantic Right
13 Whale Ecology Program at the Center.

14 I am speaking for myself, though I think a
15 number of others from our laboratory have also
16 spoken.

17 The animal that I work on is the North
18 Atlantic Right Whale. It is, as is recognized in
19 the SEIS, one of the rarest mammals on earth and
20 is occasionally found in the waters south of Cape
21 Cod. The present status, by all accounts, is
22 critical. The pop -- all population indicators
23 are negative. The population, therefore, is
24 rightly the center of a great deal of concern.

1 And I have looked at that in detail over my
2 now 35 years of studies of that animal, and some
3 of our research does go on South of Cape Cod. So
4 we're well aware at our laboratory and into my
5 project of the distribution issues and issues that
6 relate to behavior of the species.

7 I would like to go to this animal and say
8 that, indeed, it is a critical -- an animal of
9 critical concern, and it has justifiably had the
10 attention of BOEM, of environmental groups across
11 a wide spectrum of NGOs. And that is much
12 appreciated by those of us who deal with the
13 animals on a daily -- daily basis.

14 But I would like to raise the question or
15 the -- the vision that brings me to this -- this
16 meeting today, and that is a clear and slowly
17 moving disaster that is engulfing particularly the
18 Gulf of Maine, the area on the margins of the --
19 of the region that's being considered. And that,
20 of course, is climate change.

21 Our data, which I'm sure some of the BOEM
22 scientists are aware of, our data in one of the
23 most densely aggregating areas for this species is
24 clearly showing that the population is responding

1 to profound change within the Gulf of Maine that
2 likely will have an overall and long-term effect
3 on the species.

4 That said, I simply wanted to recognize the
5 critical circumstances that are messier by this
6 meeting, and that is that climate change is with
7 us. There is virtually no disagreement on that.
8 A wide variety of resources, certainly the
9 fisheries' resources all the way from -- from the
10 lobsters all the way up to the finfish that are so
11 important to our ecosystem, and also to -- to
12 Right Whales, are in a state of change. And
13 certain fisheries can now attest to that.

14 The same is happening to Right Whales. And
15 so the concern for this nearly extinct species
16 particularly is met in the issue of climate
17 change. And the proposal for Vineyard Wind is, as
18 I see it, worth your attention and concern, but
19 it's critically important to the future of this
20 species.

21 We are in a state of change, and our
22 information clearly shows that the future for the
23 Right Whale is under the cloud of climate change.
24 And the hope will be that Vineyard Wind will be

1 the first of a number of clean energy sources to
2 change the course which seems so difficult.

3 Critical to the whole story, in closing, is
4 the agreement that was come to by CLF, NRDC and
5 National Fish and Wildlife -- I'm sorry, the
6 National Wildlife Foundation. That agreement
7 protects the Right Whales about as well as we can
8 imagine, an adaptive management plan, one that
9 particularly looks at development.

10 So I thank BOEM for -- for this opportunity
11 to make that statement. I think it's critical.

12 And I would lastly say, I hope that BOEM will
13 make sure that that agreement, which is so
14 important, is applied to all future -- future
15 developments in -- in these waters.

16 Thank you.

17 CHRISTINE DAVIS: Thank you.

18 Nancy, you're next. Then Wayne (sic), then
19 Joel, then Gabriel and David.

20 So go ahead, Nancy.

21 NANCY SOPKO: Yes. Hi, can you hear me?

22 CHRISTINE DAVIS: I can hear you just fine.

23 Thank you.

24 NANCY SOPKO: Great. Thanks.

1 My name is Nancy Sopko, that's N-a-n-c-y
2 S-o-p-k-o. And I am the Executive Director of the
3 Special Initiative on Offshore Wind or SIOW, which
4 is an independent project at the University of
5 Delaware's College of Earth, Ocean and Environment
6 that supports the advancement of offshore wind
7 power as part of a comprehensive solution to the
8 most pressing energy problems facing the United
9 States.

10 SIOW provides expertise, analysis,
11 information sharing, and strategic partnership
12 with the offshore wind industry advocacy groups
13 and government stakeholders to build understanding
14 and drive the deployment of this technology.

15 First, please allow me to start off by
16 thanking the staff at the Bureau of Ocean Energy
17 Management for completing the Vineyard Wind
18 Supplemental EIS in such a timely way during a
19 global pandemic. The completion of this
20 comprehensive document is nothing short of
21 critical to the continued progress of the U.S.
22 offshore wind industry. And we very much
23 appreciate your attention to it in these
24 unprecedented times.

1 I plan to submit written comments on behalf
2 of SIOW by the July 27th deadline, but I'd like to
3 highlight a few specific points today, if I might.

4 Since the beginning of 2020, I have been
5 serving as the developer coordinator on the
6 Responsible Offshore Development Alliances, or
7 RODA's, Joint Industry Task Force. For those who
8 don't know, the Joint Industry Task Force was
9 created in June of 2019 to improve communications
10 between the commercial fishing and offshore wind
11 industries with a specific focus on promoting
12 coexistence between the offshore wind energy
13 development -- between offshore wind energy
14 development and commercial fishing practices.

15 Members of the Task Force include members of
16 various commercial fisheries and the following
17 offshore wind developers: Orsted, Equinor,
18 Vineyard Wind, Mayflower, Atlantic Shores,
19 Avangrid Renewables, EMBW, and RWE.

20 In my capacity as the Task Force's developer
21 coordinator, I organize and prepare the offshore
22 wind developers for Task Force meetings and other
23 communications with the fishing community; I work
24 with RODA's executive director and the Task Force

1 facilitator to prepare materials and develop
2 meeting agendas; I coordinate with RODA as
3 appropriate to communicate with management,
4 science and regulatory agencies regarding joint
5 recommendations or major joint initiatives or Task
6 Force concerns; and I work with RODA staff to
7 provide educational exchanges to further improve
8 dialogue and build greater understanding between
9 the two industries.

10 The work of the Task Force cannot be
11 overstated, and RODA deserves a lot of credit for
12 creating such an important group dedicated to
13 promoting coexistence between the two industries.

14 While the Task Force meets formally about
15 four times a year, the fishermen and offshore wind
16 developers also meet to have educational
17 exchanges, have numerous additional conversations
18 regarding the issues facing the two industries at
19 large, and several side conversations between the
20 individual developers and fishermen regarding more
21 project-specific issues. So the conversations
22 between the two industries are continuous and
23 ongoing. It's a privilege for me to help
24 facilitate communications between these two

1 important industries in such a significant forum.

2 I would be remiss if I didn't also take this
3 time to mention the substantial benefits of
4 offshore wind energy development in general, and
5 the Vineyard Wind Project in particular.

6 Offshore wind energy is clean, renewable and
7 reliable with average capacity factors similar to
8 coal and typically higher than other renewable
9 energy sources. In addition to producing clean
10 energy, offshore wind development creates several
11 additional benefits.

12 Building commercial scale offshore wind
13 facilities will spur over \$70 billion in private
14 investment and grow tens of thousands of
15 well-paying U.S. jobs. In fact, according to a
16 recent report from the American Wind Energy
17 Association, building out 20,000 to 30,000
18 megawatts of offshore wind power by 2030 will
19 support between 45,000 and 83,000 jobs in
20 development, construction and operations and
21 maintenance in the same period.

22 Offshore wind development can also help
23 mitigate the impact of climate change, the largest
24 threat facing our ocean ecosystems and coastal

1 communities vulnerable to the rise of sea levels.

2 Offshore wind development has been shown to
3 improve recreational fishing opportunities and
4 increased tourism, based on the experience of
5 Block Island, the nation's first offshore wind
6 facility.

7 And lastly, offshore wind development can
8 help ensure America's energy security.

9 For its part, the Vineyard Wind Project is an
10 800 megawatt facility that will be located more
11 than 15 miles off the coast of Martha's Vineyard
12 and will be the nation's first commercial scale
13 offshore wind project in federal waters. The
14 project will provide clean, renewable and cost
15 effective electricity to 400,000 homes and
16 businesses in Massachusetts saving ratepayers more
17 than \$1.4 billion in energy related cost savings
18 over the life of the project.

19 Also, the Vineyard Wind project will create
20 3600 jobs for local residents while making a
21 significant contribution towards climate change
22 mitigation by avoiding almost 17 million tons of
23 carbon dioxide from being emitted into the air per
24 year.

1 I'd also like to briefly touch on the transit
2 lanes issue, as this is an issue of great
3 importance to both the Vineyard Wind 1 Project and
4 offshore wind industry as a whole, and express
5 SIOW's support for Option D-2 in the SEIS.

6 In late 2019, Vineyard Wind along with the
7 other developers of the New England wind energy --
8 wind energy areas, proposed to advance all future
9 projects in their lease areas with a uniform
10 one-by-one-nautical-mile layout. The U.S. Coast
11 Guard has since determined that this type of
12 standard and uniform grid pattern layout would
13 maximize safe navigation in the wind energy area.
14 The one-by-one-nautical-mile layout eliminates at
15 least 30% of the area's potential energy
16 production but addresses the main comments from
17 the commercial fishing industry regarding the need
18 for transit lanes to ensure safe navigation raised
19 during the public consultation process for
20 Vineyard Wind 1.

21 The one-by-one-nautical-mile uniform layout
22 creates over 200 transit lanes throughout the
23 entire wind project area.

24 The U.S. Coast Guard has endorsed the

1 one-by-one-nautical-mile layout, finding that the
2 standard and uniform grid pattern would allow for
3 safe navigation and continuity of Coast Guard
4 missions through seven adjacent wind farm lease
5 areas over more than 1400 square miles of ocean.
6 Adding transit lanes to a uniform
7 one-by-one-nautical-mile turbine spacing layout,
8 spacing that is already greater than that of any
9 existing offshore wind project in the world, would
10 threaten the viability of all offshore wind
11 projects in the region and their ability to meet
12 the clean energy supply goals.

13 Additional transit lanes will result in
14 substantial technical challenges, delays, cost
15 increases to consumers, and more environmental
16 impacts from offshore wind development with
17 marginal gains and, as identified by the Coast
18 Guard, potentially greater conflict among
19 transiting and fishing vessels that are funneled
20 into the corridors thereby increasing traffic
21 density and risks for vessel interaction.

22 For these reasons, Alternative F should not
23 be selected. The Supplemental Draft EIS is a
24 thorough, well thought out --

1 CHRISTINE DAVIS: Nancy?

2 NANCY SOPKO: Yes?

3 CHRISTINE DAVIS: Can you wrap up your
4 comments, please?

5 NANCY SOPKO: Yes.

6 CHRISTINE DAVIS: All right. Otherwise, I can
7 put you at the end, if you'd like to continue it a
8 little bit. But otherwise, if you can wrap your
9 comments up, that would be appreciated.

10 NANCY SOPKO: I only have 30 seconds left.

11 CHRISTINE DAVIS: Okay. Perfect. Thank you.

12 NANCY SOPKO: The Supplemental Draft EIS is a
13 thorough and well thought out analysis that
14 supports implementation of the one-by-one layout
15 without transit lanes as the alternative with the
16 least impact and most benefits.

17 SIOW urges BOEM to chooses D-2 and issue the
18 record of decision as soon as possible.

19 Thank you.

20 CHRISTINE DAVIS: Thank you very much.

21 Wayne (sic), you're next, then Joel, then
22 Gabriel, then David and Tobias. And I believe,
23 that's what I'm seeing in the queue. So if you
24 are interested in speaking, please press Star 1.

1 Be patient and wait to speak to the operators.
2 They are managing a lot of traffic. And then we'll
3 go from there.

4 And then also, as we are getting closer to
5 the end of the public comment period, just a
6 reminder, for those of you on Zoom, to use that Q
7 & A function at the bottom of your screen to enter
8 any questions that you might have.

9 And so with that, I'll turn it over to Wayne
10 (sic).

11 DUANE GATES: Hi, Christine. Can you hear
12 me?

13 CHRISTINE DAVIS: I can hear you just fine.
14 Thank you so much.

15 DUANE GATES: Thank you.

16 Okay, my name is Duane, D-u-a-n-e, Gates
17 G-a-t-e-s, and I'm the President of the Fairfield
18 County Building Trades in Fairfield, Connecticut,
19 known as also the Gold Coast, but I'm speaking on
20 behalf of Bridgeport.

21 Bridgeport has been selected as a port to
22 build some of these wind turbines, and it's very
23 important for us. I represent 3500 craftsman in
24 Fairfield County building trades, and Bridgeport

1 is an area -- it's our largest city in
2 Connecticut, but there's a lot of unemployment
3 down there.

4 And so I'm speaking in favor of all this
5 because of the opportunities to possibly create
6 new jobs and new careers for my members and the
7 future generations.

8 Right on the other side of the port -- this
9 port has been vacant for 20-plus years. Again,
10 it's a port that needs -- needs work. On the
11 other side of the port is PSE&G powerhouse. It's
12 a coal-fired powerhouse that has to be
13 decommissioned next year.

14 So this is very important to us because
15 you're -- you're taking away a powerhouse that is
16 contaminating our city, and now we're going to put
17 a new project here that will help our -- not only
18 the city residents but our craftsmen.

19 I've heard a lot of very interesting comments
20 today from a lot of professional people. I thank
21 you. You know, I commend everyone's
22 professionalism. But, again, my job is to promote
23 union labor and my people that I represent.

24 Vineyard Wind has made a commitment to us to

1 do a project labor agreement here in Connecticut,
2 which is great. They've also talked about
3 Pathways programs for training. And again, it's
4 all about our next generation of construction
5 workers.

6 So on behalf of Fairfield County Building
7 Trades, we support the one-by-one layout.

8 And thank you very much for your time.

9 CHRISTINE DAVIS: Than you Duane.

10 All right. Next, we have Joel, then Gabriel,
11 David and Tobias.

12 Go ahead, Joel. Joel are you still with us?
13 Or perhaps on mute?

14 JOEL RINEBOLD: Joel Rinebold here. Can you
15 hear me?

16 CHRISTINE DAVIS: I can you just fine now.
17 Thank you.

18 JOEL REINBOLD: Okay. Perfect.

19 Joel Rinebold; Joel, J-o-e-l, Rinebold,
20 R-i-n-e-b-o-l-d. I'm Director of Energy at the
21 Connecticut Center for Advanced Technology. I've
22 been at this position for 15 years. Prior to
23 that, I was Executive Director of the State of
24 Connecticut Siting Council, and I was in that

1 position for over 15 years also.

2 Compliments to the Bureau of Ocean Energy
3 Management for development of an accurate record.
4 We believe this record supports public need for
5 renewable energy, public value for jobs, supply
6 chain development, economic development, review of
7 alternatives that include -- that are necessary
8 for the -- for the Environmental Impact Statement
9 and review of impacts that have a theme to avoid,
10 minimize, and mitigate these environmental
11 impacts.

12 In terms of the alternative spacing, which
13 has come up by several of the other speakers,
14 we -- we support the
15 one-nautical-mile-by-one-nautical-mile spacing. I
16 think the record is accurate and in supports the
17 finding that this one-by-one spacing is -- is --
18 is adequate for passage navigation and turning for
19 both commercial and fishing vessels.

20 We do not support the four-mile corridor
21 alternative. This larger, wider corridor does
22 not -- does not seem to be supported by the
23 record, does not seem to be necessary for
24 navigation. If this alternative were to be

1 selected, it would result in the sacrifice of the
2 benefits and value of the renewable energy and the
3 economic development value. Hence, we don't
4 support it.

5 In summary, we -- we do support the project.
6 We think the project -- I think the approval of
7 this project is supported by the record for clean
8 energy jobs, economic development. We think the
9 value of these benefits is -- is consistent with
10 the findings for environmental impacts that have
11 been avoided, minimized, and mitigated. We
12 support the alternative for the one-by-one
13 nautical mile spacing. We do not support the
14 four-mile corridor. If selected, that would
15 sacrifice energy jobs, economic value.

16 And last, we support approval of the project
17 without delay.

18 Thank you very much. And we will put more
19 detailed written comments into the record.

20 Thank you.

21 CHRISTINE DAVIS: Thank you. Next we have
22 Gabriel, then David then Tobias. And I believe
23 that is the end of my queue. So again, if you are
24 interested, please press Star 1 to get into that

1 queue.

2 So with that, I'll turn it over to Gabriel.

3 GABRIEL BELLEBUONO: Hi, can you hear me this
4 time?

5 CHRISTINE DAVIS: Yeah, I can hear you just
6 fine.

7 GABRIEL BELLEBUONO: All right. That was my
8 fault last time. My apologies.

9 All right, so my name is Gabriel Bellebuono,
10 G-a-b-r-i-e-l B-e-l-l-e-b-u-o-n-o. I'm 20 years
11 old. I've grown up on Martha's Vineyard. I
12 graduated in 2018. And I didn't go to college
13 immediately because I wasn't totally sure of what
14 I wanted to do, so I've been on the island
15 landscaping and metalworking.

16 And when this opportunity presented itself,
17 basically at my doorstep, something of this size,
18 or the importance of a renewable energy project
19 this size locally is just too huge for me to pass
20 up.

21 The economic impact, the -- the personal
22 attack on climate change, I feel like -- I'm
23 enlisted in the classes to be an offshore wind
24 technician that are being offered by ACEMV and

1 Bristol College.

2 Climate change has got to be the biggest
3 thing for me, because as a 20-year-old growing up
4 and watching water levels rise is not something I
5 want to be a part of. So anything I can do to
6 stop that, work towards a different path for the
7 world and the economy in the U.S., just
8 everything.

9 So yeah, all in all, I'm in full support and
10 fully invested in Vineyard Wind. It's really good
11 to hear the support from everyone else who's been
12 on this call.

13 Thank you to BOEM for the opportunity to
14 speak. Yeah, thank you.

15 CHRISTINE DAVIS: Thank you. Next we'll have
16 David and then Tobias.

17 So David, go ahead. David, are you still
18 with us? OR perhaps on mute?

19 DAVID ARAUJO: I'm still here.

20 CHRISTINE DAVIS: Oh, good.

21 DAVID ARAUJO: You have -- you have me?

22 CHRISTINE DAVIS: Yep, I have you loud and
23 clear. So if you can state and spell your name,
24 please. Thank you.

1 DAVID ARAUJO: Sorry about that.

2 CHRISTINE DAVIS: No worries.

3 DAVID ARAUJO: This David, D-a-v-i-d, Araujo,
4 A-r-a-u-j-o. I'm here on behalf of Southeastern
5 Mass Building Strategies as the President of that
6 organization.

7 It's been -- this is the second call that
8 I've made, and it's been -- it's been very good
9 today. I have to say that you've had a lot of
10 professional people on, as stated before, facts
11 and figures, a lot of support, which I think is a
12 great thing. It's just amazing to me where we
13 started as a country, you know, way back in the
14 1900s, and the things that we did to our
15 environment, and where we are today going through
16 this process. And how intense this process is and
17 all the research and all the time that everyone
18 has spent just to get to this point. And
19 hopefully, we can continue on the right course to
20 help our environment, you know, the way we should.
21 And -- and hopefully we can leave this -- this --
22 this planet better for our kids, grandkids and
23 their kids.

24 Again, you know what I'd like to touch on is

1 the nautical-mile layout. I think that the wind
2 industry, especially the Vineyard Wind people,
3 have taken a lot of time and a lot of effort to
4 make as much concession as they can on the
5 one-by-one-nautical-mile layout. I think that
6 they've -- they've done a great job in promoting
7 that.

8 I think that they can that the concerns of
9 the fishermen, and, you know, the sport anglers
10 and anyone else who uses the ocean. I think it's
11 obviously big enough for -- for everyone to have a
12 piece and enjoy the waters that we're accustomed
13 to. This project will help preserve those waters,
14 as the young man just said before me, will help
15 preserve hopefully the rising of those waters by
16 the -- you know conserving the environment.

17 You know this is going to bring quite a bit
18 of power, 13,000 megawatts of energy plus by -- by
19 not going with this -- with this layout, more than
20 then if we did. So I think it's very important
21 for this project, and future projects, for that
22 matter, that that the one-by-one layout be adhered
23 to.

24 You know, my concern is -- is power. We are

1 a society of great demand of power. You know,
2 we're all accustomed to turning on the light
3 switch or plugging in the hair dryer, or make sure
4 the AC system (indiscernible) day like today. And
5 with all the plants in Southeastern Mass and the
6 Cape that are being decommissioned, we are going
7 to find, you know what we need to find, more
8 power. And this couldn't be coming at a better
9 time for our need for power.

10 And, again, you know, the education piece of
11 this, as I stated before in previous comments,
12 there are children that are going to our grammar
13 schools right now who don't even know that they're
14 going to be involved in this particular industry.
15 And it really is a very big industry. I know
16 there was some -- some figures thrown out today of
17 some 80,000 jobs, or -- once this project is
18 finished constructing and it's -- through it's
19 like process.

20 So again, I would thank BOEM for their, you
21 know, diligence. It's been a great venue today,
22 Christine. You've done a hell of a job, you know,
23 keeping it all together. And I do commend
24 everyone involved. And again, I worked with

1 Vineyard Wind, daily, weekly, monthly basis
2 talking back and forth trying to get agreement on
3 a project labor agreement for -- for the 15 or
4 20,000 people, construction workers through the
5 trades in Southeastern Mass that I represent, and
6 they couldn't be a better partner.

7 And I look forward to working with the other
8 developers, you know, as we move through this very
9 exciting wind industry.

10 And really, it's about time that the United
11 States really stepped up and got behind this. And
12 hopefully, we can surpass the rest of the
13 countries who are already involved in this and
14 really be a leader in the wind industry.

15 Again, I thank you for the opportunity to
16 speak today. And I commend everyone on their
17 comments and their -- and their work going
18 forward.

19 CHRISTINE DAVIS: Thank you.

20 And I want to acknowledge Jim and Michelle
21 and Jenn, and all the others from BOEM that are
22 listening in and are preparing answers to
23 questions that we received in Q & A and supported
24 this process.

1 With that, I'm gonna turn it to Tobias.
2 Tobias, I believe, is the last person to speak.
3 If anyone else wants the opportunity to do so,
4 please press Star 1 now and get in the queue. If
5 we don't have anyone, we'll be ending the comment
6 period after Tobias.

7 So with that I'll turn it over to you.

8 TOBIAS GLIDDEN: Hello there. Tobias
9 Glidden -- can you hear me fine? -- T-o-b-i-a-s,
10 Glidden, G-l-i-d-d-e-n.

11 CHRISTINE DAVIS: Yes, we can hear you just
12 fine. Thank you. Go ahead.

13 TOBIAS GLIDDEN: Lovely. Thank you.

14 So I am a fifth-generation fishmonger on
15 Nantucket. I'm also the youngest ever serving
16 former member of the Nantucket Select Board. I am
17 a member of the Marine Mammal Alliance Nantucket
18 we look after preserving stranded marine mammals.
19 And I'm also a historic preservationist on
20 buildings on Nantucket.

21 And I wanted to just put in a few points and
22 comments. And I wanted to first give my thanks to
23 BOEM for the process of moving the wind turbines
24 off to about 15 nautical miles. The spreading out

1 of the turbines at one nautical mile apart, I
2 think, mitigates any historical view impacts.

3 Nantucket has a huge history of winds. We
4 are a sailing colony, a whaling colony, and we
5 have a wind -- wind turbines on a large hill on
6 Nantucket. So we really appreciate this -- this
7 time, this new chapter for Nantucket in being a
8 part of offshore winds.

9 From the fishery side, I've seen the fish
10 being really negatively impacted due to industrial
11 fishing for the last hundred years. And so I'm
12 really excited for the opportunity for fish to
13 come back from these turbines. I think there's
14 going to be a huge benefit to the marine habitat
15 from these turbines. We've seen that in Block
16 Island already. And I've spoken to a number of
17 commercial fishermen on Nantucket, and they're all
18 supportive of the project.

19 I want to thank BOEM for moving the turbines
20 out to about the 20,000 edge. That's an important
21 fishing habitat, and so we appreciate that.

22 And so lastly, I'd like to say, you know,
23 this is -- this is awesome for Nantucket. We are
24 going to see potentially two feet of sea level

1 rise over the next 90 years.

2 And so we are a national historic landmark.
3 And if we do not deal with climate change, and if
4 this project and the gigawatts of wind behind it
5 do not move forward, we are going to lose the
6 opportunity to save a historic landmark.

7 The visual impacts have been mitigated.
8 Vineyard Winds has done a phenomenal job of
9 covering a number of the concerns with this
10 project. And I just please strongly ask you to
11 move this project forward in an expedient way.
12 There is so many countless benefits for this
13 project, and it would be a huge disservice to slow
14 it down.

15 We've been working on this for over 15 years
16 in various capacities. And it is -- it is time to
17 harness the wind as Nantucketers have done for
18 hundreds of years.

19 Thank you.

20 CHRISTINE DAVIS: Thank you for your
21 comments. And thank you everyone for participating
22 in the process today.

23 If you do want to try and get into the queue,
24 again, one final call for that Star 1.

1 And then in the meantime, while I give that
2 just a minute, I want to remind you that we are
3 going to go into the question-and-answer session
4 in just a second here. A number of folks have
5 already used the Q & A function on Zoom. That
6 should be located on the bottom of your screen. If
7 you press on the Q & A icon, a pop-up box should
8 appear and you can enter your questions there.

9 Just one more minute to see -- I don't
10 believe we've got anyone else popping up to be in
11 the queue.

12 So with that, I will officially close the
13 public comment meeting for today at 4:40 p.m.
14 Eastern Time, and we will move on to the question
15 and answers.

16 So in addition to the public comment, which
17 is so very much important, two-way communication
18 is a priority for BOEM. So at this time, we are
19 going to answer the questions that we've been
20 receiving throughout the day.

21 Let's start by answering the questions that
22 meeting participants have already submitted. And
23 if anyone else wants to add some in the next 15 to
24 20 minutes or so, we will address those as well.

1 If you've already done so, you want to submit
2 a question, please use that Zoom icon, the Q & A
3 icon at the bottom of your screen. We have
4 several folks who have been watching the Q & A box
5 and are prepared to start answering your
6 questions.

7 And at this time, I'm going to turn it to
8 Isis Farmer who is with BOEM. She's gonna moderate
9 this section and get the answers to the questions
10 that we received, and also open it up for other
11 questions. So as reminder, please use that Q & A
12 function on Zoom.

13 And with that, I'll turn it over to Isis.

14 ISIS FARMER: Hi, Christine. We actually
15 have one more person who just submitted a name to
16 give public comment.

17 CHRISTINE DAVIS: Oh, sure. Look at that,
18 Jonathan.

19 Okay. So thank you. All right. We'll
20 reopen the commentary. And Jonathan, apologies
21 for not catching that a little sooner on my
22 screen. So go ahead and state and spell your name
23 please, and we'll go from there.

24 JONATHAN LEVENSHUS: Thank you very much.

1 My name is Jonathan Levenshus,
2 J-o-n-a-t-h-a-n, Levenshus, L-e-v-e-n-s-h-u-s, and
3 I'm the Director of Federal Campaigns for the
4 Sierra Club's Beyond Coal Campaign.

5 Thank you for convening a series of public
6 hearings on the recently released supplement to
7 the draft EIS for the Vineyard 1 -- Vineyard Wind
8 1 Project.

9 This Sierra Club's Beyond Coal Campaign
10 supports offshore wind. The Vineyard Wind SEIS,
11 which expands the prior cumulative activities
12 scenario for offshore wind development along the
13 Eastern Seaboard reveals that offshore wind can be
14 done in an environmentally responsible way and
15 provide the clean energy that East Coast states
16 are demanding.

17 The analysis notes that as offshore wind
18 advances, we will see reduced emissions from
19 polluting fossil fuel plants and improve air
20 quality, and every investment in renewable energy
21 helps in the fight against climate change.

22 While we fight climate change, we must also
23 avoid, minimize, and mitigate potential threats to
24 the marine environment, such as underwater noise,

1 ship strike and turbine collisions.

2 By taking precautions and adopting the
3 measures outlined in the SEIS for siting,
4 constructing and operating turbines, and
5 committing research and project monitoring to
6 understand and protect marine wildlife, we will
7 protect our valuable ocean resources.

8 The expanded analysis produced by BOEM also
9 predict that offshore wind farms will generate
10 approximately 22 gigawatts, enough to power nearly
11 8 million homes along the U.S. Atlantic Coast
12 within the next decade. That full scale of
13 offshore wind development reinforces how
14 important -- how it's more important than ever to
15 ensure that when projects adequately protect
16 coastal jobs and recreation and the future food
17 that the oceans provide to the world.

18 That's why the Sierra Club is supportive of
19 Boeing's preferred alternative to distribute
20 Vineyard Wind's winds turbines arrangement to
21 one-nautical-mile spacing. The arrangement of
22 turbines in this orientation would allow vessels
23 to travel unobstructed and help to avoid
24 navigational impacts.

1 The approval of this project, which will also
2 have important economic impacts to the region.
3 Vineyard Wind 1 will create 3,600 good-paying jobs
4 for local residents, and it's expected that
5 project will save ratepayers more than \$1.4
6 billion in energy related cost over the 20-year
7 contract with the State of Massachusetts.

8 The untapped offshore wind resource along the
9 U.S. Eastern Seaboard is one of the most powerful
10 in the world and is within reach of densely
11 populated areas where energy demands are high and
12 new resource options are few.

13 The offshore wind energy could create 83,000
14 jobs by 2030 and deliver over \$25 billion in
15 annual economic input by that same year.

16 In closing, the one-nautical-mile spacing
17 proposal has been shown to be flexible enough for
18 offshore wind developers to construct efficient
19 and reliable wind farms while also ensuring
20 navigable waterways for maritime commerce and
21 supporting the needs of coastal communities and
22 businesses. I urge BOEM to accept the
23 one-nautical-mile spacing proposal, which is by
24 far the best option on the table to create a

1 competitive dynamic coastal marketplace for
2 offshore wind projects that will also result in
3 economic growth and environmental protection for
4 states from Maine to the Carolinas.

5 Thank you for your time today.

6 CHRISTINE DAVIS: Thank you. And knowing
7 that we had Jonathan join in, I just want to give
8 it one more minute or two for folks to press Star 1
9 before we bring things to an end.

10 As I've mentioned, we also have the Q & A
11 session coming up next, but I also wanted to
12 encourage folks to visit the Frequently Asked
13 Questions that are in the virtual meeting page
14 BOEM has set up. There's a bunch of information
15 there and FAQs that have been gathered throughout
16 the process. So I encourage you to check that out
17 as well.

18 And I think -- Isis, I think I'm going to try
19 to turn it over to you again. Are you good to go?

20 ISIS FARMER: I think we are. Thank you,
21 Chris -- Christine.

22 So thank you everyone. My name is Isis
23 Farmer, and I'm an Environmental Coordinator in
24 BOEM's Office of Renewable Energy Program. But I'm

1 also one of the co-leads for the Vineyard Wind
2 Supplemental Environmental Impact Statement. And we
3 have -- we have a few questions that several folks
4 have submitted throughout our meetings. And so with
5 that, we're going to get started.

6 So please note that you may not see the
7 questions right away, but you will see them pop up
8 as we answer them verbally. So we appreciate your
9 patience with that.

10 And for our first question, I'm going to take
11 this question. The question is about a request
12 for correction. That's the Responsible Offer
13 Development Alliance submitted under the
14 Information Quality Act for the Massachusetts and
15 Rhode Island Port Access Route Study. And the
16 question is about whether a request for
17 corrections has been submitted under the
18 Information Quality Act for any previous Port
19 Access Route studies.

20 So BOEM is not aware of any requests for
21 corrections that have been submitted for other --
22 for other Port Access Route studies, and the U.S.
23 Coast Guard is the federal lead for those.

24 And for the next question, I'm going to ask

1 for Jim Bennett, our program manager, to turn on
2 his camera and unmute his line.

3 JIM BENNETT: How is that?

4 ISIS FARMER: That's great, Jim. Thank you.

5 So the question that I have for you is about
6 how BOEM is planning to enforce developers'
7 commitments for continuing monitoring for things
8 like, you know, whales and birds, as well as cable
9 landings, and ensuring that cables are properly
10 installed and remain buried.

11 JIM BENNETT: That's a great question,
12 especially in view of the fact that we're looking
13 at a dozen or more projects over the coming decade.
14 It's going to be a real challenge to be able to
15 keep up with things.

16 All of this revolves around the approval of
17 COPs, which will include -- undoubtedly include
18 monitoring requirements, as well as the
19 requirements that already exist under the
20 renewable energy regulations. And to address --
21 there's a couple of things that we're doing to
22 address this compliance over time.

23 One is, we're working very closely with our
24 sister agency, the Bureau of Safety and

1 Environmental Enforcement, to help us with the
2 health, safety and environmental guidelines that
3 are going to be required.

4 Because in addition to COP approval, we also
5 have a requirement for a facility design report
6 and a fabrication and installation report which
7 provides a lot more detailed -- a lot more
8 detailed information, engineering specifications
9 for projects. And to help with that, we require a
10 third-party certified verification agent, or CVA,
11 which is an independent company employing
12 professional engineers, for both the examination,
13 design and the installation. So we have the
14 mechanisms in place to address things like the
15 monitoring of cables and the ensuring burial
16 depth.

17 But I also want to mention the -- our
18 environmental studies program, which we put in
19 place for Outer Continental Shelf activities many
20 decades ago, actually, and has contributed over 80
21 million towards the identification of information
22 needs for renewable energy, and that includes
23 information to inform policy decisions on OCS
24 renewable energy development.

1 And one example is RODEO, the Real-time
2 Opportunity Development Observation Program, which
3 we have been pursuing both at Block Island and now
4 at CVOW off of Virginia in order to collect actual
5 data on effects so that we can identify what
6 additional information is needed. And that is one
7 of the many mechanisms we have in place to deal
8 with the challenges that we're going to be facing
9 in the coming decade.

10 Thank you.

11 ISIS FARMER: Thanks, Jim. So for our next
12 question, I'm going to ask for Jenn Bucatari to
13 turn on her camera and unmute her line.

14 JENNIFER BUCATARI: Hi. Can you hear me?

15 ISIS FARMER: I can hear you just fine.
16 Thanks, Jenn.

17 So the question that I have for you is: What
18 are the positives and negatives of a broad fishing
19 lane through the wind farm?

20 And I'm assuming they're talking about the
21 transit lane in alternative F.

22 JENNIFER BUCATARI: Okay, yes, thank you.

23 Alternative F, which, as we mentioned,
24 describes the addition of a two- or

1 four-nautical-mile transit lane. And -- well the
2 lane is for transit, so it's important to point
3 out that it's not for a fishing lane, it's a
4 transit lane.

5 We did, though, assess the recreational
6 fishing vessels, and that they could congregate at
7 structures alongside the transit lanes possibly
8 increasing risk of collisions and allisions in
9 these areas. Impacts from Alternative F defer to
10 depending on if F is paired with Alternative A or
11 with Alternative D-2.

12 So compared to the proposed action alone,
13 which would be A, establishment of an
14 up-to-four-nautical-mile-wide transit lane under
15 Alternative A with F. So if you're pairing F -- F
16 and A together, both alternatives, that could
17 reduce impacts related to risk of collisions and
18 allisions.

19 Alternatively, establishment of an
20 up-to-four-nautical-mile-wide transit lane through
21 alternatives through the D-2 layout, which is that
22 one-nautical-mile east-west layout, with
23 Alternative F, so a transit lane with the D-2
24 layout could result in increased impacts related

1 to allisions and collisions including to military
2 and national security vessels. It -- but would
3 reduce impacts on military and national security
4 search-and-rescue activity.

5 So with respect to the increased impacts, the
6 reasoning for this is that the northwest-southeast
7 transit lane orientation under Alternative F would
8 differ from the east-west orientation of the D-2
9 layout of Vineyard Wind 1 turbines under D-2.

10 So the differing orientations of the transit
11 lane and the turbine layout could actually
12 increase navigational complexity for vessels
13 operating within the lease area, including these
14 military and national security vessels.

15 As mentioned in the presentation I gave a few
16 hours ago, the implementation of the
17 four-nautical-mile-wide transit lane may allow,
18 though, for some science -- the ship-based
19 scientific research and survey activities to occur
20 within the transit lane, depending on what the
21 conditions are.

22 So -- but you can find a summary of the
23 anticipated impacts to each resource from
24 Alternative F within the Supplemental EIS table

1 and executive summary. It's Table ES-2. And you
2 can also find additional information about direct,
3 indirect and cumulative impacts of Alternative F,
4 which include adverse and beneficial impacts
5 within each resource area, within Chapter 3 and
6 within the Appendices A and B of the Supplemental
7 EIS.

8 ISIS FARMER: Thank you, Jenn.

9 And for our next question, I'm going to ask
10 for Ben to turn on his -- on his camera and unmute
11 his line.

12 BEN SUSSMAN: Right here.

13 ISIS FARMER: Thank you, Ben.

14 So the question that I have for you is --
15 there's a question about potential recreational
16 fishing benefits and how they were considered, and
17 whether things like aquaculture activities or
18 generation of hydrogen were considered in the
19 Environmental Impact Statement.

20 BEN SUSSMAN: So recreational fishing
21 benefits were considered in the Environmental
22 Impact Statement. In particular, benefits due to
23 the aggregation effects of new structures such as
24 wind turbine foundations. They're discussed in

1 Section 3.10 of the Supplemental EIS. The lessee
2 would be limited to activities in the approved --
3 its approved COP. And activities by other entities
4 could occur in the wind release energy area --
5 within the energy lease area, excuse me, if they
6 don't interfere with the lessee's activities.

7 Each COP points plan submitted for BOEM's
8 review will go through its own project specific
9 environmental analysis.

10 ISIS FARMER: Thank you, Ben.

11 And so for the next question, I'd like to ask
12 for Kyle Baker.

13 And, actually, before we leave you, Ben, can
14 you actually introduce yourself and say, you know,
15 your name as well as your position and role?

16 BEN SUSSMAN: Right. Apologies.

17 My name is Ben Sussman. I'm with ERM. We
18 are the consultant to BOEM in preparing the
19 Environmental Impact Statement.

20 ISIS FARMER: Thank you.

21 And so at this point, can I have Kyle Baker
22 turn on his camera and unmute his line? Kyle,
23 would you mind introducing yourself, giving your
24 position area of expertise?

1 KYLE BAKER: Sure, thanks, Isis.

2 My name is Kyle Baker. I'm a marine
3 biologist in the Office of Renewable Energy
4 Programs. I'm a subject matter expert in the area
5 of marine mammals and sea turtles.

6 ISIS FARMER: Thank you, Kyle.

7 And so the question that I have for you is
8 whether BOEM can assure that future development
9 beyond Vineyard Wind will be similarly
10 conditioned. And this -- this commenter
11 essentially said that, you know, there's been some
12 work with NGOs to mitigate impacts to Right
13 Whales, and so they want to know how we consider
14 incorporating this information moving forward for
15 other offshore wind projects.

16 KYLE BAKER: Sure. Thanks, Isis.

17 Yeah, that's a really good question, and one
18 that's on a lot of our minds, as well as
19 stakeholders' minds.

20 For each project, mitigation measures will be
21 developed through the National Environmental
22 Policy Act process, such as this. It's a
23 consultation NOAA fisheries under the Endangered
24 Species Act, as well as the NOAA fisheries

1 permitting process under the Marine Mammal
2 Protection Act.

3 In some cases, the developer voluntarily
4 includes measures in its Construction and
5 Operations Plan.

6 BOEM continues to work with stakeholders
7 through collaborative efforts, such as the
8 development of best management practices, they do
9 workshops to develop consistent and effective
10 measures for the protection of Right Whales, as
11 well as other protected species. And we're doing
12 that with scientists, environmental NGOs in the
13 industry and with partners as well as others.

14 Although we can't yet require mitigation and
15 monitoring measures to COPs, we haven't received
16 yet the updated responsible development of
17 offshore wind import with future COPs.

18 ISIS FARMER: Thank you, Kyle.

19 And the next question I have is for Ian.
20 Ian, would you mind turning on your camera and
21 unmuting your line and introducing yourself?

22 IAN SLAYTON: Hello, my name is Ian Slayton.
23 I'm a physical scientist at BOEM in the Office of
24 Renewable Energy Programs. I worked on the

1 cumulative scenario, and also I'm the air quality
2 subject matter expert.

3 ISIS FARMER: Thank, Ian.

4 And the question I have for you is whether --
5 the question says -- assumed -- assumes that the
6 additional transit lane proposal, and in this
7 case, I'm assuming that they're talking about
8 Alternative F, would reduce the output potential
9 of renewable energies. And assuming that this is
10 so, what would be the percentage of that
11 production decrease?

12 IAN SLAYTON: Due to the transit lane
13 alternative, essentially no megawatts will be lost
14 on the Vineyard Wind 1 Project. It's BOEM's
15 assumptions that it would push the project further
16 south and into the Vineyard Wind 501 lease area
17 beyond the project area.

18 However, if Alternative F was selected, it is
19 likely that any neighboring leases which contains
20 this lane studied in Alternative F would also need
21 to continue this lane and potentially incorporate
22 the other lanes considered in the cumulative
23 scenario.

24 This would eliminate a portion of available

1 building space throughout Rhode Island and in the
2 Massachusetts lease areas. The loss and technical
3 capacity would ultimately depend on the size of
4 the turbines that -- that are used going forward
5 for other projects.

6 But if we're assuming available technology of
7 12 megawatt turbines going forward, that would be
8 something in the neighborhood of 3,300 megawatts.
9 And there's more information on this in the SEIS
10 in Chapter 2 on Page 5.

11 ISIS FARMER: Thank you, Ian.

12 And for our next question, we're going to go
13 back to Jenn. Would you mind turning on your
14 camera and unmuting your line?

15 Okay. And so the question that I have for
16 you is, it's another question about the
17 Responsible Offshore Development Alliance's
18 request for corrections. And the question says
19 that the Responsible Offshore Development
20 Alliance's requests for corrections suggests that
21 a two-by-two-nautical-mile grid layout would be
22 ideal which would require twice as much space to
23 generate the same amount of energy. Considering
24 that BOEM requested that the U.S. Coast Guard

1 consider the energy goals of Massachusetts, Rhode
2 Island, Connecticut and New York in their Port
3 Access Route Study, would a layout that precluded
4 the attainment of these goals be explored?

5 JENNIFER BUCATARI: Thanks, Isis. And sorry
6 for not introducing myself before.

7 I'm Jenn Bucatari. I know most of you
8 recognize me from the presentation. But I am one
9 of the other -- Isis's partner on the SEIS
10 development as an environmental coordinator.

11 Okay. So it's important to note that the
12 Supplemental EIS addressing state energy demands
13 not state goals, just to make that clarification.

14 As I mentioned in the introduction, with the
15 technology that's available right now off the
16 shelf, full demand from New York and New Jersey
17 would not be met.

18 The Supplemental EIS itself does discuss in
19 Appendix G, an alternative considered but not
20 analyzed in detail, that included alternate
21 spacing of 1.5 to two nautical miles or greater
22 between the wind turbine generators. This would
23 result in turbines outside of the lease area. And
24 while this alternative could reduce impact on

1 fishing opportunities within the project area, it
2 would route -- because it would reduce placing --
3 it would result in placing turbines outside the
4 lease area. This would essentially constitute a
5 different proposal.

6 So in addition to the increased environmental
7 impacts that could occur from longer cabling
8 requirements, this alternative would not meet the
9 purpose and need of the proposed project and would
10 effectively be the same as selecting Alternative
11 G, or the no-action alternative.

12 ISIS FARMER: Thanks, Jenn.

13 And for our next question, we're going to go
14 back to Ben. And would you mind turning on your
15 camera and unmuting your line?

16 BEN SUSSMAN: Happily?

17 ISIS FARMER: Thank you.

18 And the question that I have for you is,
19 there -- the question is -- is about whether
20 the -- the question asks whether, you know, they
21 understood correctly that the major environmental
22 justice -- justice impact was related to the New
23 Hampshire Avenue landfall location. And since
24 it's no longer being considered by Vineyard Wind,

1 There's no longer a major impact on environmental
2 justice population. And they want to ensure that
3 that's their -- their understanding of that issue
4 is correct.

5 BEN SUSSMAN: That is correct. The
6 Supplemental EIS found that the proposed action
7 with the New Hampshire Avenue landing site would
8 have overall major direct and indirect impacts on
9 environmental justice communities, particularly for
10 individuals in the commercial and for-hire
11 recreational fishing industry near Lewis Bay. That
12 would be a result of disruption of navigation into
13 and out of the bay.

14 With the elimination of New Hampshire Avenue
15 landing site, the proposed action's impacts on
16 environmental justice would be reduced to
17 moderate.

18 ISIS FARMER: Thank you, Ben.

19 And for our last question, the question says:
20 Do the statements of number of homes that power --
21 that are powered by -- that power -- that power is
22 provided to include an estimate of the adoption of
23 electric vehicles, or is this not a reasonably
24 foreseeable outcome of electrification? How will

1 excess power be dealt with? And will developers
2 be paid to shut down if there is more production
3 than demand?

4 So I'm going to turn this over to Kirsten,
5 who's joining us from the Massachusetts Clean
6 Energy Center. Kirsten, would you mind turning on
7 your camera and I'm unmuting your line. There we
8 go. All right. Thanks, Kirsten. Is your line
9 unmuted? No, I think you're still on mute. No
10 problem. Okay, great.

11 All right. Well, we're gonna hand this over
12 to Nils. So Nils, would you mind unmuting your
13 line? There we go.

14 NILS BOLGEN: Yeah, sure. Can you hear me?

15 ISIS FARMER: Yes. Yep. Go for it.

16 NILS BOLGEN: So, on the first part of the
17 question, on whether or not the -- you know the
18 estimated typical energy consumption per year in a
19 home, you know, included assumptions about EV
20 adoption or -- or, you know, for that matter,
21 electrification of -- of heating. I don't have an
22 answer for that. The calculation could be done
23 either way.

24 And so that's -- but that might not be sort

1 of the real crux of this question.

2 Anyways, it -- it may be more about the
3 second part, which is, you know, what would happen
4 if -- if the wind turbines were producing more
5 power than the grid needed at a particular time.

6 This is something that does happen on
7 occasion in areas that have high penetrations of
8 wind energy but, you know, management of those
9 situations happens between the generator and the
10 grid operator; in this case ISO New England. So
11 it would be between ISO New England and the
12 generator, Vineyard Wind in this case.

13 I think -- and you know, I don't have
14 definitive answers for any of these, but I -- you
15 know, I would expect that the -- you know, the
16 question of whether or not Vineyard Wind would be
17 paid during a curtailment scenario.

18 So say, you know, there was a lot of -- a lot
19 of offshore wind and a lot of solar energy 10
20 years from now in a spring month where, you know,
21 the sun is very bright, the wind is blowing and
22 electric loads are relatively low, you now, if
23 that led to a curtailment situation, you know, how
24 that would be handled, I think would be between

1 Vineyard Wind and the utilities that have the
2 power purchase agreement.

3 So you know, it's not -- it's not a
4 definitive answer there, but I think that's the
5 best we have.

6 ISIS FARMER: Thank you, Nils, we appreciate
7 that.

8 And so that's -- those are all of the
9 questions that we have. Unless there are any
10 others, I will hand it back over to Christine.

11 CHRISTINE DAVIS: Sure. Thank you, Isis and
12 everybody else who contributed to that Q & A
13 session.

14 Just one last opportunity for folks to use
15 that Q & A box and -- and enter any questions that
16 you have.

17 Meantime, I wanted you to know a couple of
18 things about the public comment period. We do
19 have one more meeting on Thursday. And as you can
20 see on your screen, for those of you who still on
21 Zoom, you can write your comments in or go online
22 at regulations.gov. In all cases, please do note
23 the Docket Number BOEM-2020-0005.

24 So, I think we're good on the questions. And

1 in a minute, I'm going to turn it back to Jim
2 Bennett to offer closing remarks. But personally
3 wanted to thank everyone for participating in the
4 process today, and have a great rest of your week.
5 Stay well and be safe.

6 So turning it over to Jim now. Thank you.

7 JIM BENNETT: Thank you, Christine.

8 And I also want to thank the team here at
9 BOEM And with ERM that have made the best of this
10 situation. We've had some very effective
11 communication in this virtual environment. So
12 again, thanks to all of you for your patience and
13 participation in this process.

14 Especially want to thank the State of
15 Massachusetts for joining us, as this kind of an
16 effort requires not only all stakeholders, but
17 most certainly the federal and state governments
18 working together.

19 I want to repeat again that BOEM -- we at
20 BOEM oversee the expeditious and orderly
21 development of energy resources on the Outer
22 Continental Shelf with appropriate environmental
23 safeguards. This is our responsibility, but your
24 input is critical.

1 And we at BOEM remain committed to working
2 with all of you to ensure the success of offshore
3 activities, protecting our oceans and coasts and
4 their communities that depend upon them, while
5 still allowing the United States to remain a
6 global energy leader and innovator.

7 One final thought, as a reminder, as you just
8 heard, the public comment period is open until
9 July 27. And as you see on the screen, there's a
10 number of different ways you can participate in
11 this process. Please, please do so. Please take
12 advantage of the opportunity, as it will improve
13 the decision-making process.

14 Thank you again, and I hope everyone stays
15 well.

16 OPERATOR: That concludes today's conference.
17 You may disconnect at this time.

18 (The meeting was adjourned at 5:06 p.m.)

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C E R T I F I C A T E

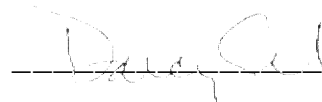
Commonwealth of Massachusetts

County of Norfolk, SS

I, Darcy Lee Schramm, a Professional Court Reporter and Notary Public in and for the Commonwealth of Massachusetts, do hereby certify that the foregoing Public Information Meeting was taken before me on July 2, 2020. The said testimony was taken digitally and transcribed under my direction. To the best of my knowledge, the within transcript is a complete, true and accurate record of said Meeting.

I am not connected by blood or marriage with any of the said parties, nor interested directly or indirectly in the matter in controversy.

In witness whereof, I have hereunto set my hand and Notary Seal this 22nd day of July, 2020.



Darcy Lee Schramm

My Commission Expires:

April 4, 2025

