

PUBLIC INFORMATION MEETING

Vineyard Wind SEIS Public Meeting

Virtual Public Meeting Day 1

June 26, 2020

5:00 p.m.

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

OPERATOR: Thank you. Good afternoon.

Welcome and thank you all for joining today's conference. At this time all participant lines have been placed in listen only mode.

To ask a question during the question and answer session, please press Star 1 on your touch tone phone.

Today's conference is being recorded. If you have any objections, please disconnect at this time. And now I'd like to turn today's conference over to Christine Davis. Thank you, you may begin.

CHRISTINE DAVIS: Hello, my name is Christine Davis, and I want to thank you for joining us today. I am with ERM, the third party contractor that's working with BOEM Staff on the environmental review for the Vineyard 1 Project.

I'm here today to help you facilitate and guide you through this meeting. We appreciate everyone taking your personal time to share your thoughts with us.

The purpose of our meeting today is to gather your input on the Vineyard Wind's proposed Off Shore Wind 1 Project, and more specifically

supplements the draft environmental impact statement. Your input will be used to refine and finalize the final environmental impact statement on this project. As such, we're recording and we have court reporters documenting this meeting for public record.

Before we go any further, I'd like to welcome Jim Bennett. Jim is the program manager of the Office of Renewable Energy Program at the Bureau of Ocean Energy Management or BOEM, as we'll call it today. And Jim will formally welcome everyone to this meeting. Jim.

JIM BENNETT: Thank you, Christine. And good afternoon, everyone. On behalf of the Department of the Interior, I want to thank you for joining us for today's public meeting. Again, my name is Jim Bennett. I am the program manager for the Bureau of Ocean Energy Management or BOEM's Off Shore Renewable Energy Program.

It is unfortunate that we can't be together in person today. I hope that you and your families and friends are all safe and healthy given our current situation. On the other hand, we are fortunate to have technology that allows us to

1 create effective alternatives to in-person public  
2 meetings.

3 Our team has put together a system that  
4 will enable us to continue our dialogue in this new  
5 virtual format to help inform our decisions. So  
6 first off, who are we? BOEM is the Federal Bureau  
7 within the Department of the Interior that oversees  
8 the environmentally and economically responsible  
9 development of our energy and mineral resources.  
10 This is on two and a half billion acres of outer  
11 continental shelf or OCS. That's pretty significant  
12 because it's slightly more than the area the total  
13 land mass of the United States, including Alaska. So  
14 it's a big job, and BOEM has a strong history of  
15 meeting our nation's growing energy needs.

16 Our responsibilities includes the  
17 development of renewable energy as well, renewable  
18 energy resources, essentially offshore wind. Over  
19 the past 10 years, we've been working with states,  
20 with stakeholders, with industry and with the public  
21 to identify the best areas for off shore wind  
22 development. To date, we have 16 active leases on  
23 the Atlantic from Cape Cod to Cape Hatteras. Every  
24 state has at least one federal OCS lease for

1 renewable energy. It has the potential for the  
2 capacity of almost 22 gigawatts of electricity to  
3 contribute to state goals of almost 30 gigawatts in  
4 the region. For these leases we have approved 10  
5 site assessment plans or SAPS; we currently are  
6 reviewing seven construction and operations plans or  
7 COPS. These SAPS and COPS are both formal steps in  
8 our regulatory process to go from leasing offshore  
9 to the generation of electricity.

10 We anticipate receiving an additional up to  
11 eight more COPS over the next 12 months. We've hired  
12 new staff and we're using third party contractors to  
13 help manage this growing workload. So there's a lot  
14 going on.

15 In addition, our first steel in the water  
16 for the outer continental shelf has just occurred in  
17 the last few weeks with the costal Virginia offshore  
18 wind project or CVOW. And we anticipate a dozen or  
19 more commercial scale wind farms during the coming  
20 decades. We want to make sure that these projects  
21 are done right. Our objective is to ensure that  
22 offshore winds, commercial fishing, maritime  
23 navigation, and other uses of the oceans can all be  
24 pursued successfully. This does not mean that there

1 will not be any impact, there will be impact, but  
2 our goal is that all users can successfully coexist.

3 Our task is to obtain the best available  
4 information, conduct sound scientific and  
5 environmental analysis, estimate impacts and  
6 identify appropriate mitigations. This will allow  
7 us to establish a strong foundation for all projects  
8 going forward.

9 These public meetings are an opportunity for  
10 you to help us meet this goal. And for us to hear  
11 you to the end I just identified, particularly for  
12 the Vineyard Wind Project. Vineyard Wind is the  
13 first commercial off shore wind project analyzed  
14 under the one federal decision process, and we have  
15 worked through this process for the first time, we  
16 have adapted our initial approach, which we believe  
17 will allow the permitting of future projects to run  
18 more smoothly.

19 BOEM has received over 300 comments from  
20 stakeholders and cooperating agencies on the  
21 Vineyard Wind draft environmental impact statement  
22 or draft EIS. Some of these requested a more robust  
23 analysis of cumulative impacts. As a result, on  
24 Friday, June 12th, we formally released a supplement

1 to the draft environmental impact statement for the  
2 proposed Vineyard Wind 1 offshore energy project.

3 The supplements of the draft EIS expands the  
4 reasonably foreseeable offshore wind development  
5 scenario and analyzes the effects of that scenario.

6 The supplement to the draft also analyzes  
7 previously unavailable fishing data, a transit lane  
8 alternative proposed by the fishing community and  
9 changes to the construction and operations plan that  
10 have occurred since the draft EIS was published.

11 These updates were the direct result of comments we  
12 received from numerous stakeholders, including state  
13 and local governments, federal agencies, industry,  
14 and the public.

15 This enhanced analysis will serve as a model  
16 for the review of future projects. That's why it's  
17 vitally important for the decision making that you  
18 all carefully review the supplement to the draft EIS  
19 and provide us with comments. We are making every  
20 effort to hear from you. This is one of five  
21 virtual public meetings that we are holding  
22 throughout the open comment period and there are  
23 multiple ways to provide comments.

24 Your input will help the Department of the

1 Interior and BOEM meet our goal of getting this  
2 right. We remain committed to a permitting process  
3 that minimizes user conflicts and establishes a  
4 strong foundation for wind projects moving forward.  
5 Thank you, and stay well.

6 Now I would like to welcome a representative  
7 from the state of Massachusetts, so I'm going to  
8 turn it over to Lisa Engler, the Director of the  
9 Massachusetts Office of Coastal Zone Management.  
10 Thank you.

11 LISA ENGLER: Thank you, Jim. On behalf of  
12 Energy and Environmental Affairs Secretary Kathleen  
13 Theoharides, we are pleased to welcome the Bureau of  
14 Ocean Energy Management for tonight's public meeting  
15 on the supplement to the draft environmental impact  
16 statement for the Vineyard Wind 1 Project. Joining  
17 me from fellow Massachusetts agencies tonight are  
18 Bruce Carlile from the Massachusetts Clean Energy  
19 Center, and John Logan from the Massachusetts  
20 Division of Marine Fisheries. We're looking forward  
21 to the presentation and the opportunity to hear your  
22 comments and input to the federal review process for  
23 this Vineyard Wind 1 Project.

24 Global climate change presents a serious



1 threat to the Commonwealth environment, residents,  
2 communities and economy. Governor Baker has  
3 expressed the need for action, stating the magnitude  
4 of the impacts from climate change requires to put  
5 politics aside and act together quickly and  
6 decisively. We still have the opportunity to check  
7 the severity of future impacts by aggressively  
8 reducing gas emissions and adapting to the changes  
9 that are ongoing. With the 2008 Global Warming  
10 Solutions Act Massachusetts became one of the first  
11 states in the nation to require carbon emissions  
12 reductions of at least 80% below 1990 levels by 2050  
13 with interim targets every decade.

14 We are on track to meet our 2020 goal of a  
15 25% reduction from 1990. In addition, in December of  
16 last year Governor Baker committed the Commonwealth  
17 to net zero emissions by 2050. Meeting these targets  
18 will include efforts and commitments by both the  
19 public and the private sectors and will require  
20 changes to business as usual.

21 Developed and operated off shore winds will  
22 be keys to meeting these carbon emission targets.  
23 For more than a decade we have worked closely with  
24 our federal, state local, and tribal partners

1 through BOEM's Intergovernmental Taskforce on  
2 Offshore Energy in the planning, sighting, leasing  
3 and review of potential wind projects on the Outer  
4 Continental Shelf.

5 We have also worked closely with  
6 stakeholders through state formed fisheries and  
7 habitat working groups and in community meetings and  
8 discussions. The fishing industry is a critical  
9 partner in the development of offshore wind, and we  
10 value the opportunity to use the venues for  
11 important dialogue and feedback in the responsible  
12 development of offshore winds. In 2017, as directed  
13 by state legislation, Massachusetts issued a  
14 competitive request for proposals for offshore wind  
15 energy, and in 2018 selected Vineyard Wind, which  
16 will result in significant greenhouse gas reductions  
17 at a highly competitive price.

18 Now, the Federal NEPA review process led by  
19 BOEM is a critically important component and our  
20 collective responsibility to avoid and minimize  
21 potential adverse effects. In the case of the  
22 Vineyard Wind Project, the SEIS has provided a  
23 broader substantive basis for reviewing the project  
24 within the context of other offshore wind

1 development.

2           The cumulative analysis included in the SEIS  
3 ensures that potential impact of individual projects  
4 are evaluated. In parallel to the BOEM review, the  
5 Vineyard Wind 1 Project was reviewed by state  
6 agencies, including the Massachusetts Department of  
7 Environmental Protection, the energy facilities, the  
8 Massachusetts Environmental Policy Act office, The  
9 Department of Public Utilities and the Massachusetts  
10 Office of Coastal Zone Management.

11           This Massachusetts state review process is  
12 now complete. Thank you all for coming out tonight  
13 for joining us in this virtual platform. Your  
14 participation is very important as we continue to  
15 work with agencies, stakeholders and communities in  
16 the review of the BOEM commercial leasing,  
17 construction and operations process. And with that,  
18 I'll turn it back over to Christine.

19           CHRISTINE DAVIS: Thank you, Lisa. Okay,  
20 we're going to flip to the agenda now and BOEM will  
21 provide an overview of the project. They'll discuss  
22 the environmental review process, and the next step,  
23 respond to questions and then open the meeting for  
24 public testimony. As a reminder, the focus of the

1 meeting is to receive public comments. We'll spend  
2 the bulk of our time together today on that agenda  
3 item. Anticipate starting the public comment portion  
4 of the meeting in a little less than an hour.

5           Everyone who would like to provide comments  
6 today will need to press Star 1 to get into the  
7 queue. If you've not already done so, please do so  
8 now. Even if you've preregistered, we need you to  
9 press Star 1, so that we can see that you're here  
10 and that you're in the queue. For those of you who  
11 are on Zoom, please note that you have both the Q &  
12 A and the chat function.

13           They have different purposes which will  
14 remind on the next slide. So that we can provide as  
15 many parties as possible the opportunity to provide  
16 comments, we ask that you keep your comments to  
17 approximately five minutes. As attendees you're not  
18 going to come through on camera today, but your  
19 voice will come through on the phone so only BOEM,  
20 ERM and I will be on video today, so please note  
21 that all oral comments that will be provided will be  
22 on the record.

23           All right. So let's go to the next slide and  
24 talk about BOEM. Thank you. All right. So you

1 have both the Q & A and chat functions. So those of  
2 you online you should be able to see the icons at  
3 the bottom of your screen. If you click on the Q & A  
4 icon you will see a pop up box for you to type in  
5 the question.

6 We will answer questions at the end of the  
7 presentation at the end of public testimony. Don't  
8 be alarmed if you don't hear a question right away  
9 because they'll show up as we answer them verbally  
10 in the Q & A sessions.

11 Please only use the Zoom chat function to  
12 notify us about a Zoom or audio technical issue.  
13 Attendees will only use the raise hand function if  
14 we call on you. So if at any time you have  
15 technical challenges using Zoom you can continue to  
16 participate in this meeting by calling  
17 1-888-606-7043 and entering the participant code  
18 6516733#.

19 If you want to give public testimony and  
20 have not already done so please press Star 1. We'll  
21 begin with those who have preregistered and continue  
22 with those who are in the queue from today. Does  
23 anyone have any questions specifically about Zoom or  
24 the phone line that you'd like to ask right now?

1           If so, you can click on the Q & A right now  
2 to type in the question or Star 1 right now to  
3 submit your questions to the operator. So wait just  
4 a second to see if anyone has got any questions that  
5 they type into the Zoom Q & A, or press Star 1.

6 (Pause) Just another minute. All right. I don't see  
7 any questions, there will be opportunity for more  
8 about them, the actual process and the project.

9           So with that, I'm going to turn it over to  
10 Jennifer Bucatari from the Bureau of Ocean Energy  
11 Management. She's going to explain the environmental  
12 review process and then provide an overview of  
13 supplements, such as SEIS. After her presentation,  
14 we will answer questions. As a reminder to sign up  
15 to provide comments later in this meeting, please  
16 make sure that you press Star 1 to get in the queue.  
17 With that, right now I'm going to turn it over to Jen  
18 Bucatari. Jen, are you there?

19           JENNIFER BUCATARI: Sorry, I'm coming.

20           CHRISTINE DAVIS: No worries. Good deal.

21           JENNIFER BUCATARI: There we go. Didn't  
22 want to switch the slide. Hello, everyone, and  
23 welcome to the Vineyard Wind supplement to the draft  
24 environmental impact statement, also known as the

1 SEIS virtual public meeting. We appreciate your  
2 participation in this meeting, and look forward to  
3 hearing your comments following the summary  
4 presentation.

5 My name is Jennifer Bucatari, and I am one  
6 of the environmental coordinators for this project.  
7 To the greatest extent possible, we are working to  
8 maintain services to the American people and our  
9 stakeholders consistent with evolving guidance  
10 provided by the Center for Disease Control and state  
11 and local health authorities. As such, we're moving  
12 forward with our public meetings in a virtual  
13 environment in order to provide information to the  
14 public in the safest and most efficient way  
15 possible, and to receive feedback from our  
16 stakeholders.

17 These public meetings while virtual are an  
18 opportunity for public involvement, and an  
19 opportunity to provide comments on the supplemental  
20 EIS. BOEM has developed a virtual meeting room web  
21 page, the address can be seen here on the slide. You  
22 have likely visited this page to register. But  
23 either way, we encourage you to explore this page  
24 and the additional content that we have there.

1           This content includes posters and  
2 presentations to mimic the stations that we normally  
3 have at an in-person meeting. The posters as seen  
4 here relay a brief summary of important topics to  
5 our stakeholders. The presentations on the virtual  
6 meeting web page, seen here, are summaries of  
7 impacts to several key topics or resources. The  
8 presentations were developed and recorded by the  
9 BOEM subject matter experts, who also developed the  
10 supplemental EIS impact analysis for that resource.

11           The National Environmental Policy Act, or  
12 NEPA, is a law requiring federal agencies to assess  
13 the environmental effects of their proposed action  
14 and reasonable alternatives. The NEPA process  
15 collects relevant information for the decision maker  
16 to either approve, approve with conditions or  
17 disapprove a plan.

18           Through the NEPA process, an EIS or  
19 environmental impact statement must be prepared if  
20 the agency is proposing a major federal action that  
21 may significantly affect the quality of the human  
22 environment. The purpose of the analysis is to  
23 outline the impact of a proposed project on its  
24 surrounding environment. The process also includes



1 public scoping, public comment period, and an  
2 analysis of reasonable alternatives and cumulative  
3 effect.

4 BOEM's renewable energy leasing and  
5 development process occurs in four phases. For the  
6 Vineyard Wind 1 Project, we are in that fourth  
7 phase, which includes conducting an environmental  
8 review of the lessees, construction and operations  
9 plan, or COP. The draft EIS was published for public  
10 review in December of 2018. And a supplement to that  
11 draft EIS, the SEIS, was published on June 12 2020.  
12 The Vineyard Wind 1 proposed project location is seen  
13 here on the right. And it's 12 nautical miles at  
14 it's nearest point to land. The project is situated  
15 southeast of Martha's Vineyard.

16 The proposed cable land falls are in two  
17 locations on Cape Cod, Lewis Bay or New Hampshire  
18 Avenue. A brief background on the project is  
19 presented here. The development of the SEIS began  
20 following public hearings that were held in  
21 February, 2019. Comments from public and stakeholder  
22 requested an expanded cumulative analysis and  
23 analysis of fishing data that was previously  
24 unavailable to BOEM. In addition, updates to the

1 construction and operations plan were submitted by  
2 Vineyard Wind on January 31, 2020, and March 9,  
3 2020.

4 BOEM developed the supplemental EIS to  
5 address comments from the public and stakeholders,  
6 expand the cumulative analysis, analyze previously  
7 unavailable fishing data, a new alternative and  
8 project changes, as mentioned. In January and March  
9 2020 the Vineyard Wind submitted updates to the  
10 construction and operations plan, which included  
11 changes to the project envelope and onshore  
12 substation. The updates included an expansion of the  
13 turbine capacity to include up to 14 megawatt  
14 turbines.

15 The total project capacity remains at 800  
16 megawatts, and the change to the turbine capacity  
17 does not result in a change to the footprint or to  
18 the minimum turbine capacity, which is 8 megawatts.  
19 The proposed project includes up to 106 wind turbine  
20 locations with up to 100 wind turbines. These  
21 turbines may be either all monopile foundation, or  
22 50% monopile and 50% jacket foundation.

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

1 total approximate area of ground disturbance would  
2 be 7.7 acres, which is 1.8 acres greater than the  
3 area analyzed in the draft EIS. The notice of  
4 availability for the SEIS is was published on June  
5 12, 2020 in the Federal Register.

6 We are holding a series of five virtual  
7 public meetings, as seen here, the comment period  
8 will close after 45 days on July 27 2020. For  
9 additional project information about the Vineyard  
10 Wind Project, please see the project on site as you  
11 see below on the bottom of the slide. To be most  
12 helpful comments received should be as specific as  
13 possible.

14 A substantive comment discusses the accuracy  
15 of the information to just alternate methodologies,  
16 and the reason or reasons why they should be used,  
17 provides new information relevant to the analysis,  
18 identify the different source of credible research,  
19 which if used in the analysis could result in  
20 different effect or provides clarification where  
21 needed.

22 The table on this slide outlines 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 envelope and the status  
3 of environmental complication.

4           While the supplemental EIS includes analysis  
5 of the direct and indirect impacts of the proposed  
6 action, the focus of the supplement is on expanded  
7 cumulative impact scenario, the new alternative and  
8 the information that has changed or become available  
9 since issuance of the draft EIS in 2018. This  
10 inverted triangle represents the different levels of  
11 reasonably foreseeable development we considered our  
12 cumulative scenario.

13           A bar usually encompasses the bar below it.  
14 The lower bars will often be duplicative rather than  
15 additive. For example, Vineyard Wind 1 at the bottom  
16 is already included in the bar above, 5.4 gigawatts  
17 of construction and operation plan, submitted or  
18 approved, that's the second from the bottom.

19           The previous standard for the scope of  
20 reasonably foreseeable offshore wind development was  
21 based on projects permitted and added to the  
22 projects entering the construction permitting  
23 process. This time, we began by examining the  
24 greatest number of possible projects, and then

1 eliminated offshore development that would be  
2 unreasonable to consider based on the lack of state  
3 demand, or technical inability.

4 Starting at the top, the top bar is the  
5 total Atlantic offshore wind technical resource  
6 potential. This bar represents how much wind energy  
7 is available on the Atlantic Outer Continental Shelf  
8 with present technology. Such a build out is not  
9 only materially and physically impossible, but also  
10 the amount of energy exceeds the demand of the  
11 entire eastern United States. Thus, this bubble was  
12 not determined to be reasonably foreseeable.

13 The second bar down is the technical  
14 resource potential of the Atlantic Call Wind Energy  
15 and Lease Areas. Call areas are areas that have not  
16 been leased and are still being evaluated for  
17 whether they are suitable to be offered for lease.  
18 There's no guarantee that such areas will make it to  
19 the leasing stage.

20 Therefore, evaluating construction on them  
21 is premature and this level of development was not  
22 considered reasonably foreseeable at this time.

23 The third dark bar down is the state  
24 capacity commitment. While the tier system in the

1 draft EIS will get development from a regulatory and  
2 project perspective. In this scenario, we examined  
3 future projects from a state demand perspective.  
4 This number has grown over the last several months  
5 and is currently at about 29 gigawatts with recent  
6 additional commitments from New Jersey. This exceeds  
7 the technical resource potential of existing  
8 Atlantic leases with existing technology and  
9 includes New York commitments that have been made in  
10 anticipation of future leasing occurring.

11           Therefore, this level of development would  
12 not be reasonably foreseeable at this time. The  
13 fourth bar from the top is the technical resource  
14 potential of existing Atlantic leases. State  
15 capacity commitments are not evenly distributed  
16 along the coast and perhaps, surprisingly, are not  
17 tied to the existing available lease capacity within  
18 transmission range.

19           For example, the state capacity commitments  
20 of New York and New Jersey exceed the technical  
21 resource potential of leases in transmission range.  
22 Also there are going to be conflicts such as with  
23 cultural resource site, historical sites, essential  
24 fish habitat and navigation that will make

1 developing the entire technical resource potential  
2 of existing Atlantic leases impossible.

3           Therefore, this level of development is not  
4 considered reasonably foreseeable. This bar from the  
5 top and all those that follow below it make up our  
6 reasonably foreseeable cumulative scenario. This  
7 includes any projects with off take or with awarded  
8 off take, any projects that have entered or  
9 announced their intention of entering the permitting  
10 process, and of course any approved projects. If a  
11 project has a name to it, it is likely included.

12           After considering all projects with award  
13 construction operation plans, or that have been  
14 announced there is still some state capacity left  
15 over that has not been awarded. This potential for  
16 additional future development beyond named projects  
17 is also accounted for and analyzed in this scenario.  
18 If you would like additional information on the  
19 cumulative scope, or to hear this presented again,  
20 please visit the virtual meeting room webpage to  
21 listen to a presentation on the subject. Now we'll  
22 go over the action alternatives and other  
23 alternatives.

24           We'll go over the proposed action and other

1 alternatives. The proposed action is the  
2 construction operation and maintenance and eventual  
3 decommissioning of an up to 800 megawatt wind energy  
4 facility on the Outer Continental Shelf offshore  
5 Massachusetts within the proposed project area and  
6 associated export cable would occur within the range  
7 of the design parameters outlined in the Vineyard  
8 Wind Construction and Operation Plan subject to  
9 applicable mitigation measures.

10           Alternative B excludes the New Hampshire  
11 Avenue landfall location to potentially reduce  
12 impact on environmental and socioeconomic resources.  
13 On June 26 2020, or today, Vineyard Wind informed  
14 BOEM that they're no longer pursuing the New  
15 Hampshire Avenue landing site. While the New  
16 Hampshire Avenue site was included in the  
17 construction and operations plan, the new land has  
18 obtained all of the state and local permits  
19 necessary to bring the cable on shore at the Covell  
20 Beach landing site.

21           Alternative C excludes surface occupancy,  
22 and the northernmost portion of the proposed project  
23 area, to potentially reduce impact from the proposed  
24 project and to reduce potential conflicts with



1 existing ocean uses, such as marine navigation and  
2 commercial fishing.

3 Alternative D-1 would require a minimum of  
4 one nautical mile by one nautical mile spacing  
5 between wind turbine generators and the lanes  
6 between them. This alternative would potentially  
7 reduce conflicts with existing ocean uses such as  
8 commercial fishing and marine navigation.

9 Alternative D-2 would require a layout in an  
10 east-west orientation, and all of the turbines in  
11 the east-west direction would have a minimum spacing  
12 of one nautical mile between them to allow for  
13 vessels to travel between turbines, and to reduce  
14 conflicts with existing ocean uses, such as  
15 commercial fishing.

16 Alternative E reduces the project size to no  
17 more than 84 turbines. This alternative would  
18 potentially reduce impact on existing ocean uses and  
19 on environmental resources due to the fore  
20 foundation.

21 Alternative F, the new alternative in the  
22 SEIS, will include a vessel transit lane through the  
23 wind development area in which no surface occupancy  
24 would occur. Any turbines presently planned for this

1 area would be moved further south in the wind  
2 development area. This alternative could potentially  
3 facilitate transit vessels through the project area  
4 from southern New England or areas on Georges Bank.

5 Alternative G is the no action alternative,  
6 and in this alternative the proposed project would  
7 not be approved and any potential environmental and  
8 socioeconomic costs and benefits associated with the  
9 proposed project would not occur. However, impact  
10 from reasonably foreseeable future offshore wind and  
11 non-wind related activities would still occur. This  
12 alternative is required to be analyzed underneath  
13 us. Since the draft EIS was published, a new  
14 alternative has been added and analyzed in the  
15 supplemental EIS.

16 Alternative F, the vessel transit lane  
17 alternative, include the new vessel transit lane in  
18 response to the January 3rd, 2020 responsible  
19 offshore development alliance, also known as RODA  
20 layout proposal. The RODA proposal includes six  
21 total designated transit lanes, each at least four  
22 nautical miles wide, as seen in the figure here.  
23 Although the proposal includes six total transit  
24 lanes, only one intersects with the Vineyard Wind

1 project as shown in this figure. As mentioned, the  
2 purpose of the proposed northwest-southeast transit  
3 corridor would be mainly to facilitate traffic  
4 vessel transit from southern New England port,  
5 primarily New Bedford, to fishing areas on Georges  
6 Bank.

7           The transit lane would have no occupancy  
8 and, therefore, the turbines that could have  
9 occurred in these areas would not be eliminated but  
10 instead the displaced turbines would be shifted  
11 south within the Vineyard Wind lease area. The  
12 layout shown in this figure, which is also in  
13 Appendix A, as in apple, .7-17 is for illustrative  
14 purposes only and does not guarantee that the  
15 positions identified by the black dots are  
16 buildable.

17           The layout is based on all developer  
18 agreement per east-west orientation and one nautical  
19 mile by one nautical mile spacing. The positions  
20 shown do not necessarily represent future turbine  
21 location. The intent of the figure is to show the  
22 potential displacement of turbine if all six transit  
23 lanes were to occur. The turbine locations within  
24 the pale yellow lane would not be utilized. Under

1 the current cumulative scenario displacement of all  
2 the turbine locations is not feasible and,  
3 therefore, the addition of all six transit lanes  
4 would lead to the elimination of some of the  
5 turbines that could have occurred within these  
6 lanes.

7 Our impact analysis includes biological,  
8 physical and socioeconomic resources as see here.  
9 The subject matter experts that analyze impacts to  
10 these resources are also on this webinar, and will  
11 answer questions following and presentation. These  
12 resources just mentioned are also seen in the  
13 summary table found in the executive summary. This  
14 table summarizes the overall direct and indirect and  
15 the cumulative impact for each resource.

16 The following five slides have the  
17 summaries for additional resources not seen here. I  
18 will discuss the impact levels for specific  
19 resources in more detail in a few slides. But wanted  
20 to orient you to the table and some key elements in  
21 the analyses here. More detailed analyses and impact  
22 levels for future offshore wind activities may be  
23 found for each resource in chapter 3 and in tables  
24 in appendices A as in apple and B as in boy in the

1 SEIS.

2           The color coding on the table indicates if  
3 the highest impact level is minor, moderate or  
4 major, with green being minor, yellow moderate and  
5 orange major. You could find the definition of  
6 impact levels in table 1.2-3 in Appendix B as in boy  
7 of the SEIS. In addition, there is a poster on the  
8 project webpage which details the impact level  
9 definition.

10           For resources with an indirect and direct  
11 impact level of negligible or minor the impacts  
12 analysis has been moved to Appendix A. This was  
13 done to meet the page limits goals outlined in the  
14 Department of Interior secretarial order 3355. To  
15 understand the cumulative impact for each resource,  
16 BOEM analyzed the effects of the no action  
17 alternative, which includes baseline conditions,  
18 ongoing activities of all types, and future offshore  
19 wind activities other than wind.

20           We then followed this with an analysis of  
21 future offshore wind activities and the potential  
22 cumulative effects of the proposed action and action  
23 alternative. Resource impact levels seen here  
24 include terrestrial and costal fauna, coastal

1 habitat, fintech resources, fin fish, invertebrates  
2 and the central fish habitat.

3 Additional resource impact levels are seen  
4 here, including marine mammal, sea turtles,  
5 demographics, employment and economic, environmental  
6 justice. Direct and indirect effects span from  
7 negligible to major depending on the specific  
8 community affected. We will talk about no notable  
9 differences between the alternatives in future  
10 slides. Resource impacts levels seen here include  
11 cultural, historical and archaeological resources,  
12 recreation and tourism and commercial fisheries and  
13 for hire recreational fishing.

14 Resource impact levels seen here include  
15 land use and coastal infrastructure and navigation  
16 and vessel traffic. The resource seen here is other  
17 uses, which includes research and surveys, military  
18 and national security, aviation and air traffic,  
19 cable and pipelines and radar source system.  
20 Resources seen here include air quality, water  
21 quality, birds and bats. All of these resources are  
22 included in Appendix A as in apple.

23 For a little bit more detail here we will  
24 discuss the direct and indirect impact of the

1 proposed action, as summarized in executive summary  
2 table, and assessed in detail in chapter 3 of the  
3 SEIS. BOEM determined that for most resources,  
4 direct and indirect impacts were negligible to  
5 moderate with some major short and long-term impact.

6 The proposed action or certain action  
7 alternatives could have major direct or indirect  
8 impacts on environmental justice communities and  
9 other uses. The following major impacts to these  
10 resources are anticipated: Major direct impacts on  
11 environmental justice communities could occur from  
12 the proposed action and alternatives other than B, F  
13 and the no action alternative G.

14 The placement of cable and maintenance  
15 within Lewis Bay associated with the New Hampshire  
16 Avenue landfall site would lead to potential effects  
17 on vessel traffic and to environmental justice  
18 populations that rely on consistent fishing or  
19 employment and income from marine businesses.

20 This impact would lessen to moderate under  
21 alternative B, which would exclude the use of the  
22 New Hampshire landfall location. As mentioned on the  
23 alternative slide 18, Vineyard Wind is no longer  
24 pursuing the New Hampshire Avenue landfall location.

1 Alternative F leads to lower direct and indirect  
2 impacts for environmental justice due to reduced  
3 impacts related to allisions and collisions from the  
4 presence of the transit lane.

5 The reduced risk of collisions or allisions  
6 would lessen the impact on marine businesses and  
7 also on the low income workers employed in these  
8 industries. By reducing impact on these businesses,  
9 alternative acts would have a smaller incremental  
10 impact on environmental justice populations.

11 Although those impacts would remain negligible to  
12 moderate. The direct and indirect impacts for other  
13 uses was determined to be major for scientific  
14 research and surveys for the proposed action and all  
15 action alternatives.

16 The placement of structures within the wind  
17 development area creates navigational hazard to  
18 survey aircraft and vessels and restricts access to  
19 survey location. This would impact the statistical  
20 design of surveys and cause a loss of information  
21 leading to major impact. Analysis of the other  
22 resource areas listed here found a direct and  
23 indirect impact were minor to moderate beneficial  
24 from the proposed action and action alternative.



1 Here we will discuss the cumulative impact of the  
2 proposed action in addition to ongoing activities,  
3 future offshore non-wind activities and future  
4 offshore wind activities.

5 For most resources cumulative impacts were  
6 minor to moderate, with major short and long-term  
7 impact. Major cumulative effects could occur to  
8 commercial fisheries and for hire recreational  
9 fishing for the proposed action and all action  
10 alternatives. Here the impacts rating is driven  
11 mostly by changes due to fish distribution and  
12 availability associated with climate change, reduced  
13 stock levels due to fishing mortality, and permanent  
14 impact due to the presence of structures such as  
15 cable protection measures and foundations from  
16 off-shore wind activity.

17 Major cumulative impacts on navigation could  
18 occur as a result of the presence of structures  
19 which increases the risk of collisions and allisions  
20 under the proposed action. And all alternatives with  
21 the exception of D-2, F with D-2 and no action,  
22 which is G. The impact level becomes moderate under  
23 D-2 with a one by one nautical mile uniform grid  
24 layout. And under alternative F, the vessel

1 transit lane alternative, when paired with D-2 due  
2 to the large spacing, spacing between structures,  
3 and the regular layout.

4 Major cumulative impacts from scientific  
5 research and surveys, as mentioned on the previous  
6 slide under the other uses section of the  
7 supplemental EIS, could occur as a result of the  
8 proposed action and all action alternatives due to  
9 the presence of structures, which could hinder  
10 surveys within the project area. This is similar to  
11 the direct and indirect impacts with greater in  
12 magnitude due to the cumulative scenario.

13 In addition there would be major cumulative  
14 impacts on military and national security uses as a  
15 result of the proposed action and action permitted  
16 other than D-2 and alternative acts with D-2 due to  
17 navigational complexity from structure programs,  
18 which would increase the difficulty to conduct  
19 search and rescue operations.

20 The major impact goes down to moderate for  
21 search and rescue operations under D-2 or F paired  
22 with D-2 due to the uniform grid in D-2 or the  
23 vessel transit lane with the uniform grid  
24 alternative F with D-2. There are also minor

1 beneficial cumulative impacts such as those in  
2 coastal habitat, recreation and tourism, land use  
3 and coastal infrastructure and demographics  
4 employment and economics.

5 This is the proposed schedule that is on the  
6 permitting dashboard, however, that schedule could  
7 change based on comments received, for example, if  
8 someone identifies a significant issue that we do  
9 not consider in the draft EIS supplemental EIS that  
10 requires new analysis. There are also ongoing  
11 complications, including the Endangered Species Act,  
12 the Marine Mammal Protection Act, the National  
13 Historic Preservation Act and the Madison-Stevens  
14 Fishery Conservation and Management Act consultation  
15 that needs to be completed prior to the signing of  
16 the record of decision.

17 BOEM is working with agencies to incorporate  
18 new project changes into existing consultation.  
19 Additional details about ongoing and completed  
20 consultations may be found in Appendix D. BOEM's  
21 Vineyard Wind web page includes a variety of  
22 informative documents, including Vineyard Wind's  
23 construction and operations plan, copies of the  
24 draft and supplemental EIS, including a large print

1 copy of the supplemental EIS and a link to the  
2 virtual meeting room web page.

3           Within the virtual meeting room web page,  
4 you will find aforementioned posters and  
5 presentations along with additional posters and  
6 presentations, highlighting key topics and resource  
7 areas like our how to comment poster.

8           I would like to thank you for your  
9 attendance and your participation today. We look  
10 forward to your questions and comments. And with  
11 that, I'll hand it back over to Christine.

12           CHRISTINE DAVIS: Thank you, Jen. So we'll  
13 go on to the next slide and we'll start talking  
14 about what it looks like to provide comments. You  
15 can provide comments on SEIS by using  
16 regulations.gov, providing oral testimony during any  
17 of our public meetings, and by mailing comments to  
18 the Office of Renewable Energy Programs at the  
19 address provided on the slide and on the Vineyard  
20 Wind virtual meeting page that Jen just mentioned.  
21 If you'd prefer to submit your comments  
22 electronically visit <http://www.regulations.gov> and  
23 search for the docket number BOEM, B-O-E-M,  
24 -2020-0005. Next click on "comment now."

1           Comments may also be submitted by mail with  
2 the envelopes labeled EIS Supplement to draft EIS,  
3 addressed to the Program Manager at the office of  
4 renewable energy, Bureau of Ocean Energy Management.  
5 The address is 45600 Woodland Road Vam-Orep  
6 V-a-m-o-r-e-p, Sterling, Virginia and the zip there  
7 is 20166.

8           Comments must be postmarked no later than  
9 July 27, 2020. BOEM does not confer on those  
10 comments, so please include your name and address as  
11 part of your submittal. All comments will be made  
12 part of the public record and may be publicly posted  
13 without change. You may also submit your comments  
14 online at regulations.gov. Moving on to the next  
15 slide.

16           Two-way communication is very much a  
17 priority for BOEM. So at this time we're going to  
18 answer questions. We'll start by answering the  
19 questions meeting participants have already  
20 submitted and add any others that we see come in  
21 during the next 15,20 minutes or so. Some of you  
22 have already done this, but if you'd like to submit  
23 a question, please use the Q & A icon on Zoom at the  
24 bottom of your screen. Several people are dedicated

1 to watching this Q & A box. We'll pause the Q & A  
2 when the verbal period begins so we can give our  
3 full attention to those who are providing comments  
4 and public testimony. However, you will still be  
5 able to use the Q & A to submit questions during  
6 that time; however, we will hold our answers until  
7 the end of the public testimony. This meeting is  
8 being recorded so we can share it on the website in  
9 the future, and so that the court reporter can get a  
10 good record of the meeting. Again, please use the Q  
11 & A box.

12 As reminders, the focus of today's meeting  
13 is to receive public comments. I encourage you to  
14 visit the frequently asked questions on the virtual  
15 meeting web page. BOEM will revise them as needed  
16 to address the common comments received today an  
17 during the other public comment meetings. With that  
18 I'm going to turn it over to Isis Farmer with BOEM  
19 and she's going to begin the Q & A portion of this  
20 meeting. So, Isis.

21 ISIS FARMER: Thank you, Christine. My name  
22 is Isis Farmer, and I am one of the environmental  
23 coordinators co-leads for the Vineyard Wind 1  
24 Supplemental Impact Statement. We do have a couple

1 questions in the Q & A box. But if there are others,  
2 feel free to continue to enter those questions in  
3 for the next couple of minutes as Christine noted.  
4 So our first question, .

5 I'm going to turn over to Jen, Jennifer  
6 Bucatari, so, Jen, if you wouldn't mind turning your  
7 camera back on and unmuting your line. And the  
8 question that we received was about alternatives.  
9 The question says, the explanation is not clear as  
10 to alternative, charts would help. And so I imagine  
11 this question might be about, you know, what the  
12 alternatives are, and maybe the comparison of impact  
13 amongst alternatives. So maybe it would be helpful  
14 to give some more information about where they can  
15 find more information about those.

16 JENNIFER BUCATARI: Sure. There's  
17 additional -- I'm not really sure of the question --  
18 there is additional information about each  
19 alternative in the supplemental and the draft EIS.  
20 The new alternative would be the only one that's not  
21 in the draft; it's in the supplemental EIS. And  
22 there's a lot of figures in there in both the draft  
23 and the supplemental that explain the differences  
24 between alternatives such as the alternatives that

1 limit the number of turbines in the northeast  
2 portion of the wind development area. And a lot of  
3 those figures for the sake of saving some space on  
4 the page numbers that we had are moved to the  
5 appendix, so you'll find them in the appendices of  
6 the supplemental EIS. If somebody has a specific  
7 question they want to put in the question and answer  
8 box about alternatives I'd be happy to try to answer  
9 that.

10           ISIS FARMER: Yes, you know, I know it's  
11 difficult in electronic form. So if we don't answer  
12 your question or you would like a follow up feel  
13 free to submit another question through the Q & A  
14 box. Thank you, Jen. We have another question about  
15 commercial fisheries. So I'd like to ask Brian  
16 Hooker to start his video and unmute his line.

17           BRIAN HOOKER: Hi. Can you hear me?

18           ISIS FARMER: I can. Thank you, Brian.

19           BRIAN HOOKER: Great.

20           ISIS FARMER: The question says in the  
21 assessment of impact the supplemental environmental  
22 impact statement C that direct and indirect impact  
23 on regulated fisheries qualifies as moderate.  
24 However, the cumulative impact is qualified as



1 major. The document indicates that mitigation of the  
2 sort committed for Vineyard Wind could reduce the  
3 cumulative impact if applied to future offshore  
4 projects. Are you assuming that such mitigation  
5 would not be applied in the future? If so, why make  
6 that assumption?

7 BRIAN HOOKER: Thank you, Isis. So  
8 mitigation plans, including financial compensation  
9 plans, are currently proposed on a project by  
10 project basis. BOEM in conducting the analysis did  
11 not want to make the assumption on the nature of  
12 future mitigation plans, and those plans have not  
13 been submitted or undergone an environmental review.  
14 I think a good example of this is that, you know,  
15 for Vineyard Wind the mitigation plans that are  
16 presented in the SEIS even vary between, you know,  
17 different states. The path that Rhode Island has  
18 taken is different in some ways than the path that  
19 Massachusetts has taken. So I think these serve as a  
20 great example of what can be done, but by no means  
21 are they necessarily what all future mitigations  
22 plans may look like.

23 ISIS FARMER: Thank you, Brian. We have a  
24 couple of general questions as well as some

1 additional questions about our NEPA process. I'm  
2 going to start with the next question. Can I have  
3 Michelle, would you mind turning your camera on and  
4 unmuting your line and having you introduce  
5 yourself?

6 MICHELLE MORIN: Yes. My name is Michelle  
7 Morin, I'm the Chief of BOEM Environment Branch for  
8 Renewable Energy.

9 ISIS FARMER: And, Michelle, the question  
10 is, as we are considering cumulative impacts, why  
11 not develop a smaller project first as to scale this  
12 effort up and learn from mistakes? Why go from five  
13 to 105 foundations?

14 MICHELLE MORIN: Yes, thank you. And thank  
15 you, for the person that submitted the question. So  
16 the Block Island Wind Forum was definitely a great  
17 learning experience for us, and we took full  
18 advantage of that through our environmental studies  
19 program. And we are doing the same thing with the  
20 project, the two turbines that were just installed  
21 off the shore of Virginia, and will continue to do  
22 that as other projects come online. But through our  
23 regulations, we are still required to consider,  
24 review the proposals that are in front of us. We can

1 end those reviews, consider alternatives, those that  
2 are described in the question.

3           ISIS FARMER: Thank you, Michelle. And I  
4 think I have a couple more for you. One is why is it  
5 that BOEM has required this full and time consuming  
6 review when such a review is not required for the  
7 oil and gas industry?

8           MICHELLE MORIN: Thank you. Thank you for  
9 the question. There are some differences in the  
10 approach to meet the oil and gas and renewable  
11 energy. And part of that has to do with the rights  
12 that are conveyed with the different forms of  
13 leasing for renewable energy. It's only the right  
14 for the lessee to use the area to develop its plan.  
15 So we do a more staged approach and the full  
16 review for renewable occurs at this stage at the  
17 COPS stage. So there is also an environmental impact  
18 statement prepared for oil and gas, it does occur  
19 earlier in the process. So the boats do get that  
20 full environmental impact statement, just at  
21 different points in the process.

22           ISIS FARMER: Thank you, Michelle. The next  
23 question is about what authority or actions will  
24 BOEM take if developers get the rod and the permits,

1 and then do not install as promised? For example, if  
2 they move the foundation location away from the lat  
3 long location they are approved for or could  
4 potentially block transit and navigation lanes? So,  
5 Michelle, maybe there may be part of the question  
6 that you might want to answer, but I'll also ask for  
7 Arianna to turn her camera on and unmute her line.  
8 Okay. So the first question I'd like you to answer  
9 is about the consequences of not building the  
10 project as approved, and I'd like for Arianna to  
11 follow up about the portion about navigation.

12 MICHELLE MORIN: Okay, thank you. So the  
13 projects are, are monitored for exactly, you know,  
14 that they are installed the way that they are  
15 proposed and approved to do so. If a project was  
16 approved, there's engineering reports that also get  
17 committed and those are reviewed, again to assure  
18 scope. If a developer does for some reason to  
19 deviate, according to our regulations, that triggers  
20 what we call a revision to a construction operation  
21 plan, which can trigger a new environmental review,  
22 or of those revisions and a new approval point.

23 ISIS FARMER: Thank you, Michelle. And  
24 Arianna, would you mind introducing yourself?

1           ARIANNA BAKER: Hello, my name is Arianna  
2 Baker. I'm the navigation analyst here at BOEM. So I  
3 was part of the navigation section in this  
4 supplemental environmental impact statement. So with  
5 regards to navigation, I will say that we do work  
6 with Coast Guard throughout the process, including  
7 in the FTR and FIR process, facility design report  
8 and fabrication installation report process, which  
9 goes into how the wind farm will ultimately be  
10 built. Coastguard is involved throughout that time,  
11 Coast Guard is involved with submitting and  
12 approving the developer's private navigation. So they  
13 do have their eyes on navigational safety throughout  
14 and the actions that BOEM will take with regards to  
15 the consequences are essentially what Michelle just  
16 laid out.

17           CHRISTINE DAVIS: Thank you, Jen. We're just  
18 going to pause here for a moment as we organize a  
19 few of the questions that we have left. So we  
20 appreciate your patience. Okay, and we have a couple  
21 of general questions that I will answer. The first  
22 being, do you have the ability to post a written  
23 version of each question, which would make it easier  
24 to follow online? Isis, do you want to address the Q

1 & A question?

2           ISIS FARMER: So yes, we are. It takes a  
3 little time because we are getting a few questions  
4 and it's difficult when we get all of them all at  
5 once, but we are systematically going through the  
6 questions and either answering them live as, you  
7 know, we're doing right now or if, you know, there  
8 are questions that have a simple written response,  
9 We will submit those written responses and submit  
10 them. You will see the questions once they are  
11 answered.

12           So I apologize it does take a little bit of  
13 a delay. But I will mention that, you know, we are  
14 in the process of -- we do have some existing  
15 frequently asked questions that are already on our  
16 website. And we'll continue to try to update that  
17 throughout the public comment period. So the next  
18 question is, this project spent orders of magnitude  
19 more money on lobbying in Washington D.C. in 2019,  
20 than they offered in their commercial fisheries  
21 mitigation. Can BOEM discuss this discrepancy? You  
22 know, we can't address, you know, the lobbying of a  
23 particular company. However, I think Brian Hooker  
24 can provide some information on the fisheries

1 mitigation that Vineyard Wind has proposed. So,  
2 Brian, would you mind turning on your camera and  
3 unmuting your line?

4 BRIAN HOOKER: Sure, yeah, the SEIS does  
5 detail what the mitigation packages that I  
6 referenced previously were -- I need to start my  
7 video again -- Brian Hooker again, it might take me  
8 a minute to pull up what those exact figures are so  
9 I could respond when I have those up in front of me,  
10 but we do detail what exactly those compensation  
11 packages are in in the SEIS. So if you want to come  
12 back to that, Isis, I can do that after I have it  
13 pulled up.

14 ISIS FARMER: That sounds great. Thank you.  
15 The next question is just generally about, seeing in  
16 the questions and again as I mentioned earlier,  
17 questions will pop up as they are answered. We are  
18 receiving several of them. So, you know, we really  
19 appreciate your patience as we answer them. There's  
20 another question about BOEM revising the draft  
21 environmental impact statement and the question is,  
22 will BOEM be revising the draft environmental impact  
23 statement after the supplemental environmental  
24 impact statement, if finalized, and will it be

1 reopened for public comment?

2           So for clarification, the supplement to the  
3 environmental impact statement which we're  
4 discussing this evening, supplements that draft  
5 environmental impact statement that was issued in  
6 December of 2018. But public comment, that's open  
7 now for 45 days is currently open for comments on  
8 that supplemental document. And as we've mentioned  
9 this evening, that document, both the supplement as  
10 well as the draft, are available on BOEM's websites.  
11 And we're happy to provide those links. So we  
12 encourage you to provide your comments on the  
13 record. And we will incorporate review and  
14 incorporate those comments into the final  
15 environmental impact statement which will be the  
16 next step in our process. There's a question about  
17 what is the preferred alternative, and the preferred  
18 alternative will be selected and incorporated into  
19 the final environmental impact statement. Okay,  
20 we're just in the process of organizing our  
21 questions.

22           BRIAN HOOKER: Isis, if you want me to talk  
23 about the compensation package, I can do that while  
24 you're organizing it.



1           ISIS FARMER:   Okay, great. Sounds good.  
2   Brian, feel free to turn your camera back on.

3           BRIAN HOOKER:   So this is detailed in a  
4   couple different sections of the SEIS. But if you  
5   also look in the coastal consistency under Section  
6   E, we do outline, you know, what has been agreed to.  
7   So for venue -- Wind has agreed to provide fisheries  
8   mitigations as required by Rhode Island enforceable  
9   policies, which includes a \$4.2 million fund for  
10   direct compensation to Rhode Island fishermen for  
11   loss of equipment or claims of direct impact.

12           In addition, Vineyard Wind will provide  
13   Rhode Island with 12 and a half million to establish  
14   the fish -- the Rhode Island fisheries future  
15   viability trust and so -- and then also for  
16   Massachusetts. Looks like now -- I'll come back on  
17   the Massachusetts one, for some reason I have the  
18   wrong version up.

19           ISIS FARMER:   No problem. We'll keep moving  
20   along with our questions. Okay. The next question is  
21   if BOEM is following the one Federal decision  
22   process, why are you doing separate consultations  
23   with other agencies now? So I mentioned that the one  
24   federal decision is all about working together with

1 other federal agencies. And so the Vineyard Wind  
2 project is a one federal decision project. And it  
3 does include, you know, not just NEPA, but it also  
4 incorporates other consultations as well. And we've  
5 worked very closely with our cooperating agencies,  
6 including NOAA, including the U.S. Coast Guard, and  
7 other federal partners. And so there are more  
8 details in the SEIS about the status of those  
9 consultations. And if there are any more specific  
10 questions about those consultations themselves, feel  
11 free to put it into the question and answer box.  
12 There's another question that says why didn't BOEM  
13 consider the benefits of renewable energy while  
14 describing the negative impacts of this project? We  
15 did consider the beneficial impact.

16           And if you'll look in our supplemental  
17 environmental impact statement, there's a table in  
18 the appendix that lays out the definitions for both  
19 negative impacts as well as beneficial impact. And  
20 what you'll notice if you look at the comparison of  
21 the different impacts for the different resource  
22 areas is that you will see noted for several that  
23 there are beneficial impacts as well as adverse  
24 impact. We also have a couple of questions about the

1 cumulative impact scenario. So I'd like to ask for  
2 Ian to turn on his camera as well as unmute his  
3 line, and please introduce yourself before you  
4 speak.

5 IAN SLAYTON: Hello, my name is Ian Slayton.  
6 I'm a physical scientist at BOEM. Do we have the  
7 question?

8 ISIS FARMER: Yes. So I'll read out the  
9 first question. What led you to the conclusion that  
10 all other projects in the queue would go forward as  
11 planned, even if one is rejected? Worded  
12 differently, how can you anticipate a 22 gigawatt  
13 build out if the first project is rejected, given a  
14 likely chilling effect on the whole industry? So I  
15 think the question is about, you know, why we made  
16 the assumption of the 22 gigawatt build out for the  
17 cumulative impact scenario?

18 IAN SLAYTON: Yeah. So we were looking at it  
19 from a state demand perspective, like what are the  
20 outstanding demand that is being attempted to be  
21 filled by development. And the reason to do it that  
22 way, is so that we're looking at the greatest amount  
23 of impact possible so that we're analyzing, you  
24 know, the highest impact scenario other than

1 something would be less than that. And from that,  
2 you know, the public decision makers can use that  
3 information going forward.

4           ISIS FARMER: Thank you. Ian, the next  
5 question: Does BOEM consider that if Vineyard Wind  
6 does not or cannot move forward, that it might  
7 endanger market investment in all future projects?

8           IAN SLAYTON: That might be more of an  
9 economics question.

10           ISIS FARMER: Marty, would you or Michelle  
11 like to take this question? And I'll reread it,  
12 while one of you turns on your camera and unmutes  
13 your line. The question is does BOEM consider that  
14 if Vineyard Wind does not or cannot move forward,  
15 that it might endanger market investment in all  
16 future projects? This may be a question that maybe  
17 Michelle can answer.

18           MICHELLE MORIN: Thank you, Isis. Again,  
19 this is Michelle Morin, Chief of Environment Branch.  
20 I believe that's really outside the scope of our  
21 environmental impact statement. But in a  
22 supplemental EIS we do discuss how if the project is  
23 not approved that other projects in the area could  
24 step in to possibly fill that need.

1           ISIS FARMER:    Thank you, Michelle. And so  
2 there was another question about whether oil and gas  
3 leases are evaluated via the one federal decision  
4 policy. So one federal decision is an executive  
5 order, Executive Order 13-807, and, yes, it is a  
6 requirement that if it's a major infrastructure  
7 project, that it be, you know, analyzed under one  
8 federal decision unless project proponents opts out  
9 of that process. And Michelle, I didn't know if you  
10 wanted to say anything else about that.

11           MICHELLE MORIN: Yes, if I can add on to  
12 that. So one of the other requirements is that as  
13 environmental impact statement would be prepared,  
14 and as I explained earlier, for oil and gas that  
15 occurs at the beginning of the process and some  
16 areas of the Outer Continental Shelf for oil and gas  
17 another environmental impact statement is prepared  
18 before plans are approved. For example, the Liberty  
19 Project in Alaska.

20           In those cases because of environmental  
21 impact statement is being prepared, it would fall  
22 under one federal decision. So again, if the  
23 environmental impact statement is not being prepared  
24 for an oil and gas plan the one federal decision

1 process wouldn't be followed.

2           ISIS FARMER: Thank you, Michelle. And I  
3 wanted to do a time check with Christine. How are we  
4 with questions about -- I just want to make sure  
5 that we a lot enough time for public testimonies.

6           CHRISTINE DAVIS: Yeah, I agree, Isis. We  
7 we are a little bit over what we were hoping for  
8 timing wise. So perhaps if we answer a few more, then  
9 we can switch over to the public comment. And we do  
10 have allotted some time at the very end to catch up  
11 on some if we have some that we want to sift through  
12 and figure out the right answer here.

13           ISIS FARMER: Thank you, Christine. So I'm  
14 going to try to maybe do two more questions on some  
15 resource areas that we have not discussed yet. Okay,  
16 so David Bigger would you mind turning on your video  
17 and unmuting your line?

18           DAVID BIGGER: Hello, I've unmuted my line.  
19 Thank you Isis. My name is David Bigger, I'm a  
20 biologist, I specialize in aviary and bat issues.

21           ISIS FARMER: And, David, would you mind  
22 turning your video on?

23           DAVID BIGGER: Yes, I can. I think I can.

24           ISIS FARMER: Thank you.

1           DAVID BIGGER: Ah.

2           ISIS FARMER: And so the question for you  
3 is for bird impacts did BOEM use an external  
4 contractor to estimate bird injury? If so, was this  
5 estimate peer reviewed in any way?

6           DAVID BIGGER: I'm not sure -- Well, let's  
7 see. I'm not sure which specific part of the  
8 analysis for the person who is asking the question  
9 is referring to, but I would say that if I think  
10 it's for the collision -- for the collision part,  
11 it's no, did not use an external contractor for  
12 that. And it was something that was discussed  
13 internally. The process was reviewing the count.

14          ISIS FARMER: Thank you, David. And I'm  
15 going to go for one more navigation question.  
16 Arianna, would you mind turning your computer on and  
17 unmuting your line?

18          ARIANNA BAKER: Hi, Isis. Hello.

19          ISIS FARMER: So the question for you is  
20 during the SEIS process what has been the Coast  
21 Guard's position on the feasibility of verbiage in  
22 the transit lane proposal? The Coast Guard's  
23 proactive study's findings seem to recommend firmly  
24 against it in favor of the one nautical mile spacing

1 between turbines.

2           ARIANNA BAKER: Thank you very much, Isis,  
3 for that. So to clarify for anyone who's on the  
4 phone and unfamiliar with the Massachusetts and  
5 Rhode Island Port Access route study, in the past  
6 year, the US Coast Guard has conducted a navigation  
7 study of all the combined lease areas in the areas  
8 offshore Rhode Island and Massachusetts. And the  
9 findings for that final report came out earlier this  
10 month. So with regards to that, I cannot speak to  
11 any other particular agency's opinions, because  
12 that's the opinion of that agency. However,  
13 alternative D-2 and D-2 considered with alternative  
14 F have both a lower impact rating than the other  
15 alternatives due to the regular and predictable  
16 nature of the one by one nautical mile east-west  
17 oriented gridded layout. So this is a very similar  
18 layout to what Coast Guard recommended in their  
19 final MARIPARS report, which you can find through  
20 the Coast Guard. And it has also been cited, the  
21 draft version of the report has been cited in our  
22 SEIS, and we will be citing the final version of the  
23 report and the final back statement.

24           So with regards to that, that layout would



1 allow any vessel masters to thread a predictable  
2 course throughout the entirety of the Rhode  
3 Island-Massachusetts areas, in addition to allowing  
4 for traffic dispersal throughout all those combined  
5 lease areas. I will note that US Coast Guard did  
6 concur with our analysis and our impact ratings in  
7 the supplemental environmental impact statement.

8           ISIS FARMER: Thank you, Arianna. And so I,  
9 again given the time, we are going to try to allow  
10 some time at the end to go back to questions. But I  
11 think at this point, I'm going to turn it back over  
12 to Christine so that we can get started on our  
13 public testimony portion of this evening's meeting.

14           CHRISTINE DAVIS: And that sounds good.  
15 Thank you for your patience, folks. There are a lot  
16 of questions that had some pretty good substance to  
17 them. So let's move on to the public comment period.  
18 If you're providing comments, your remarks will be  
19 recorded and transcribed into the administrative  
20 record.

21           Even though you may see your name in the  
22 chat box on your screen, if you're online, please  
23 state your name slowly and spell your first and last  
24 name for us, so the court reporter and anyone who is

1 joined by phone only can hear it properly. Also, if  
2 you'd like, please indicate if you're with an  
3 organization, if applicable, you can add that in  
4 too.

5 All comments will be saved and provided and  
6 be taken into consideration by BOEM in the final  
7 EIS. The comments you make today will be recorded  
8 and will be publicly posted. Please be mindful of  
9 the time because we have quite a few people signed  
10 up to speak. I ask that you wrap things up at the  
11 five minute mark. If you need more time, we'll put  
12 you at the end of the queue. This will allow  
13 everybody the opportunity to speak at least once.  
14 And then if time allows, we'll give you another  
15 chance.

16 Please note that if your comments are  
17 lengthy, you can also submit them in writing, as  
18 both written and oral comments are considered  
19 equally. We will take repeat speakers but only after  
20 everyone who is interested has provided comments at  
21 least once. We have a randomly sorted list of  
22 individuals who preregistered to speak. And after  
23 that, we will identify the first speaker who is --  
24 I'll identify the first speaker and you can see

1 some of them in the chat box already, but I will  
2 also state them orally, and I'll give a couple of  
3 people's names out in advance so that you can  
4 prepare for your comments.

5           Typically, when we're in person, I really  
6 like to greet you at the meeting so I can hear you  
7 pronounce your name. We don't have that luxury  
8 today. So I apologize for any mispronunciations  
9 that I make. I realize that we all like to hear  
10 names properly pronounced, so I ask for your  
11 patience and understanding.

12           I think one way that I'm going to do it, if  
13 possible, is use first name and last name initials.  
14 We will commit to getting all the questions and  
15 comments from today and the other meeting altogether  
16 and responding as appropriate in the final EIS. In  
17 order to devote our full attention to those  
18 providing comments, we're going to pause the Q & A  
19 and bring that portion of the meeting to a close.  
20 You can still ask them, but we won't address them  
21 until later on. So with that I do believe our first  
22 speaker is Tom S. and then after Tom we'll have Kate  
23 Warner, Rosemary Carey, Paul E. and Ben, Alan. So  
24 I'm going to ask Tom to unmute your line and we will

1 get you in place in just a minute so that you can be  
2 our first speaker and the operator will make you go  
3 live. So just be patient.

4 OPERATOR: Tom, your line is now open.

5 TOM SOLDINI: Thank you, Christine. My name  
6 is Tom Soldini, S-o-l-d-i-n-i as spelled in the chat  
7 room. I'm a resident of Edgartown, on Martha's  
8 Vineyard. Is the audio okay?

9 CHRSTINE DAVIS: Yes. Thank you.

10 TOM SOLDINI: Great. Thanks. So I'm here this  
11 evening to voice my enthusiastic support of the  
12 Vineyard Wind 1 Project and to make a few comments  
13 with regard to the SEIS during the larger  
14 development of offshore wind on the east coast.  
15 First, let's remember the critical nature of this  
16 project and of offshore wind in general, Vineyard  
17 Wind 1 is the single most significant step that we  
18 in Massachusetts can take to advance the cause of  
19 reducing greenhouse gases and to mitigate climate  
20 change. Vineyard Wind 1 alone will generate clean,  
21 renewable and cost competitive energy for over  
22 400,000 homes and businesses. It will reduce carbon  
23 dioxide emissions by more than 1.6 million tons per  
24 year. Putting that in more practical terms, that's

1 the equivalent of eliminating the emissions for  
2 325,000 cars.

3 We cannot make significant progress toward  
4 eliminating CO-2 emissions without a massive  
5 increase in availability of renewable, inexpensive  
6 electricity to the northeast United States. Offshore  
7 wind has the highest potential to fill that need.  
8 This SEIS is an important document, in that sets  
9 the stage to tap that potential. To quote from an  
10 article that was published yesterday in the National  
11 Law Review, "This project is within the scope of the  
12 22 megawatts considered in the supplemental EIS now  
13 have a template for moving forward and can  
14 incorporate mitigation strategies and lessons  
15 learned from the Vineyard Wind Project. This should  
16 greatly simplify and potentially accelerate the  
17 environmental permitting process for offshore wind  
18 projects going forward.

19 "They go on to state for that reason alone,  
20 global offshore wind supply chain companies  
21 considering the US market should see the  
22 supplemental EIS as a strong positive signal for  
23 future opportunities here. Beyond fighting climate  
24 change, the creation of the offshore wind industry

1 in the United States will bring important new  
2 economic opportunity at a time when it's urgently  
3 needed. Studies suggest that the offshore wind  
4 industry will create more than 80,000 jobs in the  
5 next 10 years."

6 The build out of Vineyard Wind 1 alone will  
7 create 3600 jobs in southeastern Massachusetts.  
8 Locally here on Martha's Vineyard, Vineyard Wind  
9 operations and maintenance center will create 40 to  
10 50 new long-term stable, professional jobs which are  
11 intended for Vineyard residents through a local  
12 professional development program funded by Vineyard  
13 Wind. That may seem like a small thing in the  
14 national scheme of things, but for our island  
15 community, it will be an important opportunity to  
16 participate in a new and growing industry.

17 Lastly, I would just like to touch on the  
18 topic of transit through the wind development areas.  
19 There's been a long and important debate around the  
20 most practical and safest way to manage maritime  
21 traffic in the area. Many proposals have been  
22 considered, as we just heard in the Q & A period a  
23 moment ago, the US Coast Guard has endorsed the one  
24 by one nautical mile layout, finding that it will

1 create multiple safe navigation corridors without  
2 funneling vessels into congested corridors and  
3 without interfering in the Coast Guard's maritime  
4 safety and rescue activities.

5           This was an important debate. But now the  
6 experts have spoken, we should rely on the Coast  
7 Guard's professional judgment and move forward. I'll  
8 close just by repeating my endorsement of the  
9 development of offshore wind, and very specifically  
10 Vineyard Wind 1. This broader study of the  
11 cumulative effects found no insurmountable problems  
12 with Vineyard Wind 1. Climate change is upon us now.  
13 We need to move ahead quickly and begin to tap this  
14 new source of renewable energy. Thank you for your  
15 time.

16           CHRISTINE DAVIS: Thank you for your  
17 kindness, Tom. Up next will be Kate Warner. And  
18 after that Rosemary, Paul and Alan. So, Kate.

19           KATE WARNER: Yes. Can you hear me?

20           CHRISTINE DAVIS: Yes.

21           KATE WARNER: Okay, good. I fully support  
22 -- I'm Kate Warner, K-a-t-e W-a-r-n-e-r. And I  
23 speak on behalf of myself and the Island Climate  
24 Action Network. I fully support offshore wind. I've

1 seen offshore turbines in Denmark and they are a  
2 thing of beauty. The U.S. is very late to the game  
3 and we need to avail ourselves of this very valuable  
4 resource.

5 Wind projects off the east coast will be a  
6 big asset in helping us reduce the pace of climate  
7 change. On the Vineyard, we are looking at ways to  
8 use electricity for all our energy needs and to be  
9 100% renewable by 2040. Vineyard Wind and other  
10 offshore projects make goals such as ours possible.  
11 I like that Vineyard Wind has responded to the  
12 fishing industry and provides the layout to be one  
13 by one nautical mile grid, and that the Coast Guard  
14 has endorsed this layout.

15 I think option D-2 is adequate as stated by  
16 the Coast Guard. I like that Vineyard Wind has  
17 incorporated aircraft detection lighting system into  
18 their projects, which will make nighttime lighting  
19 impacts greatly reduced. That was a particular  
20 concern of mine as I saw that blinking lights in  
21 Denmark. As Tom has stated, Vineyard Wind will  
22 create 3600 jobs for local residents over the life  
23 of the project.

24 We need jobs on the Vineyard that are



1 sustainable and not reliant on the seasonal and  
2 tourist industry. This has become more clear during  
3 this time of COVID-19. And, finally, I heard you say  
4 that you've weighed the effects of climate change on  
5 the fishing industry and environmental justice  
6 communities in terms of what fish will be available  
7 or no longer available as climate change continues  
8 and ocean waters warm. I think that is correct as I  
9 believe what fishermen are able to catch is going to  
10 change radically because of climate change, and  
11 that's something that seriously needs to be  
12 considered. That's it. Thank you.

13 CHRISTINE DAVIS: Thank you for your  
14 comments, Kate. Up next we have Rosemary Carey, and  
15 then Paul E., and then Alan passed. So Rosemary.

16 ROSEMARY CAREY: Yes, hi. Can you hear me  
17 okay?

18 CHRISTINE DAVIS: Yes, I can hear you fine,  
19 and state and spell your name please.

20 ROSEMARY CAREY: Thank you. My name is  
21 Rosemary, R-o-s-e-m-a-r-y, Carey, C-a-r-e-y. I live  
22 in Falmouth, Massachusetts, and I am a volunteer  
23 organizer with 350 Cape Cod. Like many of my  
24 neighbors here on the Cape, I was deeply

1 disappointed to see the Vineyard Wind Project  
2 delayed last year. After reviewing the sites, I'm  
3 here today to urge you to approve the project with  
4 no further delay. Cape Cod is particularly  
5 vulnerable to the impacts of climate change,  
6 flooding and destruction from coastal storms have  
7 become commonplace, and they take their toll,  
8 economically and spiritually, actually.

9           At the same time, our tourist economy is  
10 suffering the effects of the pandemic as well. On  
11 the state level, we're counting on the energy  
12 produced by the new grid to help meet our greenhouse  
13 gas emissions goals, and to stop the most  
14 catastrophic effects of climate change. This  
15 project will create tens of thousands of well paying  
16 jobs in our region, particularly southeastern  
17 Massachusetts, and ensure that energy is more  
18 affordable for Cape Codders.

19           Without harnessing wind, the most abundant  
20 energy resource we've got, we would have to rely on  
21 fossil fuel sources and infrastructure that pollute  
22 our air and water, exacerbate climate change and  
23 disproportionately affect the health and well being  
24 of poor and black and brown communities.

1           This project has been in the works for more  
2 than 10 years and during that time Vineyard Wind has  
3 demonstrated its willingness to make changes that  
4 meet the concerns of the community. This site  
5 demonstrates that offshore wind energy can be  
6 developed responsibly while addressing the concerns  
7 of wildlife, fishing, and navels. We need Vineyard  
8 Wind offshore wind project to move forward. I urge  
9 you to approve it. Thank you very much.

10           CHRISTINE DAVIS: All right, thank you very  
11 much. Paul, you are up next and then after that  
12 we've got Alan S., Marc R., Maria H., and Michael  
13 McGarty.

14           I'm going to go with that instead -- thank  
15 you. So with that, Paul?

16           PAUL EIDMAN: Can you hear me?

17           CHRISTINE DAVIS: Yes, I can hear you fine,  
18 if you can spell your last name, thank you.

19           PAUL EIDMAN: Great. My name is Paul Eidman,  
20 last name spelled E-i-d-m-a-n. And I represent  
21 Anglers for Offshore Wind Power, and just make it --  
22 I'll just kind of burn through this if that's okay.  
23 So anglers I want to speak mainly -- predominantly  
24 about recreational angling and the impacts toward

1 our community. So anglers are already feeling the  
2 impacts of climate change as our waters warm and the  
3 sea levels rise, and a lot of our species are  
4 migrating northward, and we're experiencing more  
5 intense storms.

6 So responsibly developed wind power is a  
7 key source of clean energy that will reduce  
8 pollution driving climate change. In addition, the  
9 offshore wind turbine structures are likely to  
10 become fishing hotspots due to the artificial reef  
11 effect, just as they have at Big Block Island.

12 The SEIS has identified certain impact, and  
13 we have some concerns that we heard from  
14 recreational anglers about the impacts that include  
15 noise from surveys, pile driving during turbine  
16 construction, operation and especially EMFs or  
17 electromagnetic fields. Disturbance specifically to  
18 fish species. And then we've also heard about some  
19 disruption of larval transport for important species  
20 like flounder and overall changes in fish species  
21 abundance and distribution. So our best effort to  
22 review the existing science agrees with the  
23 conclusions in the SEIS that most impacts are likely  
24 to be temporary and highly localized.

1           Specifically, the SEIS found that fisheries  
2 impacted noise, primarily pile driving are likely  
3 to be localized and temporary. Operational noise and  
4 vibration impacts during operation are minimal. And,  
5 similarly, geological and geophysical survey noise  
6 impacts are not likely to rise, fishery level  
7 impacts are also temporary and highly local. The EMF  
8 impacts are minimal as well and only felt in a small  
9 area directly over the cable. Notably, one study  
10 showed a response from lateral branches like  
11 lobsters, sharks and rays, which is reflected in a  
12 report. Particular attention needs to be paid to  
13 these species moving forward but concerns raised  
14 about the EMF impacts the other species, especially  
15 at the population level, don't seem to be supported  
16 by the literature. In addition to numerous  
17 scientific studies, EMF impacts defy commonsense.

18           And there are numerous sea floors -- excuse  
19 me, there are numerous sea floor cables across the  
20 Northeast, which have not had an identified impact  
21 on any of the species distribution or abundance.  
22 Larval transport, as I mentioned, we feel that's  
23 more likely to be impacted by changing water  
24 temperature and salinity rather than the presence of

1 the structures. But we should continue to monitor  
2 this as more projects are developed. And also it's  
3 important to note that the majority of the wind  
4 turbines out there will be developed in areas where  
5 fishing for highly migratory species is present. So  
6 in general, we believe that the recreational fishing  
7 impacts should be split out from commercial in the  
8 SEIS, and while there are many overlapping issues  
9 the impacts are not likely to be at the same level.  
10 So if you're entanglement, loss and damage is  
11 negatively impactful to a for hire recreational  
12 vessel, but seem conflated at multiple points in the  
13 SEIS.

14           Given overall minimal temporary impact and  
15 likely benefits from the reef effect, recreational  
16 vessels will see little or no detrimental effects  
17 and some positive. The major cumulative effects  
18 concern for recreational fisherman is changes in  
19 species distribution and abundance by changing  
20 habitat types like with the change what fish are  
21 found in the wind energy areas and at what time.

22           It'll be difficult to assess if this is  
23 positive or negative, depending on how species  
24 assembly, you know shift in these locations, but

1 projects moving forward should ensure monitoring  
2 before, during and after construction to assess  
3 project level and cumulative changes in fish  
4 abundance and distribution. For hire recreational  
5 vessels should be compensated for lost revenue  
6 during construction. And that would be based on  
7 verifiable data that demonstrates fishing activity  
8 in the project area.

9           If this data is difficult to obtain or  
10 verify the compensation could mirror what was done  
11 for the Block Island wind farm, where industry  
12 groups were given financial resources to increase  
13 marketing of fur fishing. I'm almost done here, the  
14 SEIS should clarify that any impacts to HMS or  
15 higher vessels is likely to be constrained to  
16 construction. Because of the reef effects referred  
17 to in the SEIS, it is highly likely that the  
18 migrating HMS will be attracted to the turbine  
19 foundations. And this was clearly witnessed  
20 firsthand when Mahi-Mahi at Block Island Wind Farm  
21 and when the turbines were placed into service.

22           Also, BOEM should consider guaranteed  
23 recreational fishing access outside of construction  
24 and maintenance as a permit condition. Many

1 developers have assured anglers that this in fact  
2 will be the case. But a permit condition will ensure  
3 it's guaranteed. This guarantee is essential to  
4 ensuring recreational anglers and benefit from the  
5 reef effect of the turbine structures. And that is  
6 all I have. Thank you.

7 CHRISTINE DAVIS: Thank you so much. All  
8 right. Going forward, you can see the names that are  
9 in the chat box that you can see there. I believe we  
10 have got Alan S. next and then Marc and the Maria  
11 and then Michael. So, Alan, do you want to go  
12 ahead?

13 ALAN STRAHLER: Yes, this is Alan, can you  
14 hear me?

15 CHRISTINE DAVIS: I can hear you just fine.  
16 Thank you. If you could state your name and spell it  
17 please, thank you.

18 ALAN STRAHLER: Sure. My name is Alan,  
19 spelled A-l-a-n, Strahler, S-t-r-a-h-l-e-r. I'm the  
20 chair of the Edgartown Energy Committee. And our job  
21 is to help the town save energy and reduce  
22 greenhouse gas emissions. Edgartown is one of six  
23 communities on Martha's Vineyard Island, close to  
24 the project and the main power supply cable for the



1 Vineyard Wind project passes through our town  
2 waters. In my additional written comments, I will  
3 assess the environmental impacts of the projects and  
4 the mitigation. But today I just like to make two  
5 points briefly, concerning first the benefits of  
6 renewable energy that the project will bring. And  
7 second, the local benefits to island communities.

8           Regarding energy benefits, climate change  
9 is coming so fast that every country, state, city  
10 and town and their inhabitants will take every step  
11 available, and as soon as possible to reduce  
12 greenhouse gas emissions. This means obtaining our  
13 electricity from renewable sources, not fossil  
14 fuels. Vineyard Wind 1 will be the first of many  
15 offshore wind projects that provide renewable energy  
16 through wind power. This project alone will make a  
17 substantial contribution to the renewable energy  
18 supplied to Martha's Vineyard Island. Under the  
19 leadership of Martha's Vineyard Commission, the  
20 island is moving on a track to 50% renewable energy  
21 consumption by 2030 and 100% by 2040. Although our  
22 consumption is small compared with the problem, it  
23 is our contribution to mitigating global climate  
24 change. We can't make our goal without the help of

1 Vineyard Wind.

2           The Commonwealth also has a goal of  
3 becoming net zero, carbon neutral, by 2050. This  
4 goal can't be achieved either without offshore wind  
5 energy. When energy is also cheap, Vineyard Wind  
6 will save ratepayers more than 1.4 billion during  
7 the first 20 years of the project. We need renewable  
8 energy and we need it as fast as we can get it.

9 Regarding local benefits, I want to point out that  
10 the Vineyard Wind will bring major benefits to  
11 Edgartown and other Island communities. Over the  
12 life of the project 3600 jobs will be created for  
13 local communities as has been previously cited.

14 Vineyard Wind will provide continuous long term  
15 benefit to local employment and local economies, and  
16 to its partner, Vineyard Power, Vineyard Wind is  
17 working with the adults and community and continuing  
18 education on Martha's Vineyard, our local Regional  
19 High School and Bristol Community College to train  
20 the workforce needed to meet the demands of this new  
21 industry.

22           This group is presently providing offshore  
23 wind technician certificates in a two year program.  
24 The technicians will repair and maintain the

1 electromechnical components of the wind turbines.  
2 The Tisbury Marine Terminal, which will harbor the  
3 specialized vessels needed to service the wind  
4 turbines will bring new infrastructure and well-paid  
5 year round jobs to 40 new employees and trainees.  
6 Our island communities need the direct benefits the  
7 Vineyard Wind will provide. So I'd like to thank  
8 everyone for the opportunity to make these  
9 statements. And I'll pass it on to the next person.  
10 Thank you.

11 CHRISTINE DAVIS: Thank you so much, Alan.  
12 The next person that for comment is Marc Rosenbaum.  
13 But before Marc goes, I want to remind everyone, if  
14 you've preregistered to speak tonight, you still  
15 need to press Star 1 to get into the queue so that  
16 we know that you're here present at the meeting with  
17 us today. So anyone who wants to speak, please press  
18 Star 1, be patient, the operator will get to you and  
19 we will get you in the queue. So again, even if  
20 you've preregistered, please do press Star 1. So we  
21 have Marc up next. Marc R., Maria, Michael. And so  
22 with that, I'll turn it over to Marc. Thank you.

23 MARC ROSENBAUM: Hi, my name is Marc  
24 Rosenbaum spelled M-a-r-c, R-o-s-e-n-b-a-u-m, and

1 I'm an energy engineer with about 40 years of  
2 experience working in energy efficient buildings and  
3 renewable power. My master's thesis at MIT in 1975  
4 was on wind power. So I've been a long-term  
5 enthusiast about wind. I live and work on Martha's  
6 Vineyard. Vineyard Wind is a project with multiple  
7 major benefits to Massachusetts, Martha's Vineyard  
8 and the whole region. Its environmental benefits as  
9 a source of clean, renewable energy are huge. The  
10 Vineyard is amongst the most vulnerable communities  
11 in the U.S. to the effects of climate change, sea  
12 level rise the increase in frequency and intensity  
13 of major storms, with the attendant loss of both  
14 life and property.

15           Vineyard Wind will help us avoid almost 1.7  
16 million tons of CO-2 emissions every year, which is  
17 our part in mitigating climate change. It's not any  
18 good to talk about doing something without making  
19 your own commitment. This is ours. The Vineyard Wind  
20 Project aligns with our goals of becoming 50%  
21 renewably powered by 2030 and 100% renewably powered  
22 by 2040, and with similar bipartisan Commonwealth of  
23 Massachusetts targets. And as renewable energy  
24 displaces the combustion of fossil fuels, air

1 pollution levels will decrease, and there'll be less  
2 risk of shoreline destruction from unpredictable  
3 fuel spills. One of the great things about wind  
4 power is a fuel spill from a wind turbine farm is  
5 just another really windy day. The economic  
6 benefits, as others have mentioned are profound  
7 here, Vineyard Wind will create thousands of  
8 well-paying jobs, instead of sending our money to  
9 distant companies and distant countries.

10           To transition to a renewably powered way of  
11 life, we need to decarbonize our economy. And that  
12 means converting buildings to heat pumps,  
13 electrically powered, and transportation to electric  
14 vehicles. This means that the demand for electricity  
15 on Martha's Vineyard will at least double. And that  
16 will spin off hundreds of new well-paying jobs to do  
17 the work, the actual physical work of making these  
18 transitions from boilers and fossil fuel burning  
19 equipment to heat pumps. Demand for electricity on  
20 Martha's Vineyard, if we achieve our goal, will at  
21 least double. And we already have some of the  
22 highest electricity costs in the U.S. The cost of  
23 energy from Vineyard Wind will be fixed and stable  
24 and not subject to international strife or politics

1 or fuel shortages or price volatility. So a stable  
2 cost of energy is a significant economic benefit to  
3 Martha's Vineyard. I couldn't be more in support of  
4 this project. I think it's such a win for the whole  
5 region, as well as a small island that I live on,  
6 and I encourage its moving along in this process so  
7 we can start putting some wind turbines up. Thanks  
8 so much for the opportunity to speak today.

9 CHRISTINE DAVIS: Thank you, Marc for your  
10 comments. Next we'll have Maria, then Michael, then  
11 Vana and Ben. So with that I will go to Maria.  
12 Maria, Are you on by chance? Unmute your phone and  
13 the operator will let Maria in, please. We have  
14 just another minute here. May I ask the operator,  
15 are you seeing Maria in the queue? Okay. All right,  
16 I'm not seeing Maria in the queue. So we'll go  
17 forward with Michael and if Maria pops up in a bit  
18 we'll add her back in, but for right now let's move  
19 forward with Michael. Michael, are you on and can  
20 you unmute yourself and -- I just want to reach out  
21 to the operator, are you seeing Maria or Michael by  
22 chance? Maria says that she's here and her phone is  
23 unmuted, but I don't think it's going through. Can  
24 someone help her out with that? Is the operator on?

1 (Pause)

2 ISIS FARMER: Christine, this is Isis, I  
3 might suggest that we just pause here for a minute  
4 or two to allow the operator to catch up.

5 CHRISTINE DAVIS: Okay. Thank you. We are  
6 anticipating that she might be speaking to someone  
7 else. So give us just a minute. Now, I think maybe  
8 what it was, as I told everybody hit Star 1 on your  
9 phone line and so they're getting folks lined up in  
10 the queue. So we'll just be a little bit patient and  
11 let's see if we can get that resolved. In the  
12 meantime I thank folks for providing the comments,  
13 we've been able to hear everybody so far, you've  
14 been very gracious with your time. I appreciate  
15 that. So, thank you for being considerate and  
16 leaving time for us all to hopefully get as many  
17 people in here today as we can. All right, Maria,  
18 I'm hopeful that you can be able to talk now. Can  
19 you give it a shot and see if we can hear you.  
20 Maria.

21 MARIA HANNA: Can you hear me?

22 CHRISTINE DAVIS: Yes. Awesome. We're back.  
23 Thank you.

24 MARIA HANNA: All right. Well, let me back

1 up then. Good evening. My name is Maria Hanna.  
2 M-a-r-i-a, Hanna, H-a-n-n-a and I represent Survival  
3 Systems USA in Groton, Connecticut. We are a  
4 Connecticut safety training provider. And we have  
5 historically provided training to over 100,000  
6 military and civilian aviation and maritime  
7 personnel around the U.S. and the world. We cannot  
8 more strongly voice our enthusiastic support for the  
9 Vineyard Wind Project. New industries don't come  
10 along very often. The approval of the Vineyard Wind  
11 project will have significant positive, immediate  
12 and long-term benefits to local companies such as  
13 ours. In order to invest in and develop a skilled  
14 trained workforce, there needs to be a consistent  
15 predictable project to allow the existing workforce  
16 time to assimilate the new skills and time for the  
17 younger workforce and those who are still in school  
18 to consider entering new industry.

19 Vineyard 1 is an ideal example of the type  
20 of project that could foster and grow an entire U.S.  
21 based workforce, specifically in the New England  
22 area, for decades to come. Additionally, there's  
23 always a concern regarding safety improvements, and  
24 that the rush to embrace a new industry will



1 sacrifice safety protocols. The wind industry has  
2 had the benefit of adopting and improving on the  
3 safety standards that have been developed in the  
4 aviation, the maritime, the oil and other related  
5 industries, like the ones that I already trained. I  
6 cannot understate the significant investment in  
7 focus and safety protocols and safety training that  
8 the wind industry has chosen, voluntarily mind you,  
9 to implement as a standard.

10 A Global Wind organization, GWO training  
11 standards, are mandated for all participants in the  
12 industry. As a training provider involved in all  
13 training of many of those industries, I can directly  
14 speak to the quality safety standards and  
15 preparation that the new workforce will embrace as  
16 they come into the wind industry. Downstream effects  
17 from providing training to local companies such as  
18 ours will bring revenue into the local areas as the  
19 trainees, not just from the local area, from other  
20 areas around the U.S. and around the world attend  
21 training at local training centers in order to work  
22 on the wind farm. As a GWO provider, we are excited  
23 to embrace this industry and we cannot more strongly  
24 voice our enthusiastic support for the Vineyard Wind

1 project. Thank you for your time.

2 CHRISTINE DAVIS: Thank you very much.

3 Okay, next we have Michael and Susanna and then Ben.

4 So Michael, turn it over to you. Is Michael McGarty  
5 available?

6 Again, we'll wait just a minute to see if  
7 -- Oh, there you are.

8 OPERATOR: Michael, your line is open, check  
9 the mute on your phone.

10 MICHAEL MCGARTY: Hello, can you hear me?

11 CHRISTINE DAVIS: Yes, we can hear you now.

12 MICHAEL MCGARTY: Hello, my name is Michael  
13 McGarty, that is M-i-c-h-a-e-l, McGarty,  
14 M-c-G-a-r-t-y. I'm a resident of New Bedford, Mass.  
15 I'd first like to thank BOEM for completing the  
16 draft of this detailed cumulative analysis of 10  
17 years' worth of current and future offshore wind farm  
18 development in less than one calendar year. Thank  
19 you. I'm glad that this next critical step has been  
20 taken towards the creation of the domestic offshore  
21 wind industry. Now, as demonstrated by the format of  
22 this hearing, we are living in a challenging time,  
23 the pandemic gripping the world has had both evident  
24 and still untold effects on our lives and

1 livelihoods.

2           With the uncertainty that comes with living  
3 through this, the approval of Vineyard Wind 1 can  
4 provide us with a reliable source of clean,  
5 renewable energy that because the reputable bid for  
6 this project will save Massachusetts ratepayers more  
7 than a billion dollars over the project's lifetime.  
8 I am one of the many people that are ready, willing  
9 and able to begin careers in this industry that may  
10 be new in the U.S., but well-established and led by  
11 a European friends who have been building and  
12 operating offshore wind farms for almost 30 years.  
13 The approval of this project will directly lead to  
14 the creation of thousands of jobs in trades that  
15 come with good pay and benefits. I just received my  
16 diploma today for my first, although be it late in  
17 coming, college degree, an Associates in Engineering  
18 Transfer from Bristol Community College here in  
19 Massachusetts. Bristol has also established the  
20 nation's first undergraduate degree program in  
21 offshore wind that begins this fall that will help  
22 train a new domestic workforce that will be  
23 necessary for the many jobs that will be created  
24 along the Atlantic Coast for decades to come. In

1 order to complete this draft, BOEM identified and  
2 chronicled many impact producing factors,  
3 determined both direct and cumulative impacts,  
4 whether adverse, neutral or beneficial. I will  
5 cover these findings in future comments. However, I  
6 would like to comment today on our shared ocean  
7 resource. In order for a domestic offshore wind  
8 industry to exist, our established marine industries  
9 will have to learn to adapt and share the vast  
10 potential that does and will continue to exist on  
11 the Atlantic Outer Continental Shelf.

12 Vineyard Winds have devoted great resources  
13 and time to engage stakeholders throughout this  
14 process. Since the release of the draft  
15 environmental impact statement in 2018, they have  
16 incorporated stakeholder concerns by agreeing to the  
17 one by one nautical mile grid placed in a turbine  
18 shown an alternative D-2 and taken steps to use  
19 Cocoa Beach for the cable landfall. Mitigation  
20 should be undertaken when it can benefit affected  
21 parties but not to undermine the economic  
22 feasibility of this project or future projects. For  
23 this reason I urge BOEM not to select alternative F  
24 using either the two nautical mile or four nautical

1 mile transit lane. I just wanted to provide this  
2 initial comment today, I may have questions posed  
3 and I will be providing further written comments.  
4 Thank you for your time.

5 CHRISTINE DAVIS: Oh, thank you very much.  
6 Next we have Susanna, then Ben, Richard, Abby, and  
7 then Danielle. So, Susannah, you're up next.

8 SUSANNAH HATCH: Hi, can you hear me?

9 CHRISTINE DAVIS: I can hear you just fine.  
10 Thank you.

11 SUSANNAH HATCH: Great. My name is Susannah  
12 Hatch. First name spelled S-us-a-n-n-a-h. Last name  
13 spelled H-a-t-c-h. Thank you for the opportunity to  
14 testify today. I'm the Clean Energy Coalition  
15 Director At the Environmental League of  
16 Massachusetts. We strongly recommend that BOEM  
17 promptly approve the Vineyard Wind 1 Project.  
18 Offshore wind is our region's best opportunity for  
19 new sources of energy. This clean energy resource is  
20 the single biggest lever we can pull to reduce  
21 emissions, address the climate crisis and grow the  
22 economy at the same time.

23 Massachusetts and many New England states  
24 have mandated emissions limits and offshore wind

1 energy is critical to meeting those mandates. Per  
2 ISO New England's analyses around 1/6th to 1/3rd of  
3 New England's old fossil fuel plants will likely  
4 retire over the next decade, and it is imperative  
5 that we fill this gap with clean energy. Closing  
6 these plants and replacing them with offshore wind  
7 will also reduce pollution and lead to improved air  
8 quality, which as COVID-19 has clearly demonstrated  
9 is an extremely important public health issue. The  
10 SEIS itself recognizes this and also recognizes that  
11 without offshore wind, quote, "additional more  
12 polluting fossil fuel energy facilities would come  
13 or be kept online to meet future power demand," end  
14 quote. This outcome would be unacceptable from a  
15 climate and health perspective. The economic  
16 potential of offshore wind must also be recognized.  
17 This aspect is all the more important in this time  
18 of the severe economic downturn. As the cost of this  
19 resource continues to decline, offshore wind will  
20 save ratepayers billions of dollars over the terms  
21 of their contracts.

22           Analyses have found that the responsible  
23 expansion of this industry would bring at least  
24 83,000 jobs, as well as generate annual economic

1 impact of \$25 billion by 2030. The clean energy  
2 industry has suffered enormous job loss in this  
3 economic crisis. In Massachusetts alone, we lost  
4 nearly 19,000 clean energy jobs during April and  
5 May. Offshore wind could bring those job numbers  
6 back and more. As an environmental organization we  
7 believe strongly in environmental and wildlife  
8 protection. The SEIS reinforces our belief that  
9 offshore wind energy can be developed in a manner  
10 that protects wildlife and habitat and should  
11 advance as quickly as responsible development  
12 allows.

13 We support the uniform one by one nautical  
14 mile grid layout and commend the offshore wind  
15 industry for finding this compromise with the  
16 fishing industry, which the U.S. Coast Guard found  
17 allows for safe navigation through the wind energy  
18 areas. We oppose the additional transit lanes  
19 through the wind energy areas, which would severely  
20 reduce the amount of energy that could be produced,  
21 render this offshore wind project not viable and  
22 severely curtail our responsibility to mitigate the  
23 serious severe impacts of climate change. We  
24 strongly urge BOEM to promptly approve this project

1 and allow for the expansion of responsibly developed  
2 offshore wind. We will be submitting written  
3 comments with more detail. Thank you for your time.

4 CHRISTINE DAVIS: Thank you very much,  
5 Susannah. Next we have Ben, then Richard, Abby, and  
6 then Danielle. So Ben.

7 BEN ROBINSON: Hello, can you hear me?

8 CHRISTINE DAVIS: Yes, I can hear you fine.  
9 Thank you, Ben.

10 BEN ROBINSON: Hi, I'm Ben, B-e-n,  
11 Robinson, R-o-b-i-n-s-o-n. I am a Planning Board  
12 member and a member of the Martha's Vineyard  
13 Commission as well as chairing the Martha's Vineyard  
14 Commission Climate Action Task Force. The Martha's  
15 Vineyard Climate Action Task Force would like to  
16 thank the Bureau of Ocean Energy Management for the  
17 opportunity to provide public comment in response to  
18 the supplemental environmental impact statement for  
19 the proposed Vineyard Wind project off the southern  
20 coast of Martha's Vineyard.

21 The CATF was formed by the Martha's  
22 Vineyard Commission, the regional planning agency  
23 for Dukes County in May of 2019, with the primary  
24 goal of developing master plans to eliminate fossil



1 fuel use on the Vineyard and adapt to our changing  
2 climate in the coming years and decades. The CATF is  
3 represented by a broad cross section of  
4 constituencies from all six island towns including  
5 appointed officials from town energy committees and  
6 other leading island organizations. The continued  
7 burning of fossil fuels resulting in the emission of  
8 greenhouse gases is threatening the livability of  
9 our planet and island by contributing to rising sea  
10 levels, extreme weather events, ocean acidification,  
11 adverse health impacts, economic destabilization and  
12 increased pollution, ultimately threatening human  
13 civilization as a whole.

14 In December, 2019, the Martha's Vineyard  
15 Commission adopted a climate emergency resolution,  
16 which includes support for a non-binding resolution  
17 to be proposed at the town meeting in all six island  
18 towns. The proposal aims to demonstrate public  
19 support for eliminating the island's reliance on  
20 fossil fuels by 2040 and ensuring the island's  
21 energy needs are met from renewable sources. In our  
22 region of the United States, the only viable large  
23 scale source of renewable energy is offshore wind.  
24 The resolution also calls in the preparation of the

1 master energy and adaptation plans for the island,  
2 each of which is premised on a single fundamental,  
3 eliminating the island's reliance on fossil fuels  
4 and mitigating the impacts of climate change as you  
5 move to fossil free environment.

6 The Stanford Solutions Project in 2012  
7 identified a completely renewable energy grid in the  
8 U.S. little higher 16.4% from offshore wind, and for  
9 Massachusetts, we will need 55% of our energy to  
10 come from offshore wind. It's with this sense of  
11 urgency that the CATF urges t to approve the  
12 Vineyard Wind project without any further delay.  
13 Responding to specific items within the SEIS we  
14 would like to relay the following in regards to the  
15 potential impacts to our island community.

16 Development of future offshore wind activities  
17 aligns with Martha's Vineyard goals to become 100%  
18 renewable in home heating, electricity and  
19 transportation by 2040.

20 Development of future offshore wind  
21 activities aligns with the Commonwealth target to  
22 become net zero by 2050, which means making power  
23 generation as clean as possible and derived from  
24 renewable sources Port investment and usage by

1 offshore wind projects will have a direct permanent  
2 and beneficial impact on employment and economic  
3 activity by providing jobs and supporting marine  
4 service industries. This is important for the  
5 Vineyard where there is a pressing need to diversify  
6 our local economy, which today is largely a seasonal  
7 operation.

8 Port development and future job creation  
9 and Vineyard Haven Harbor the island's sole year  
10 round port located in the town of Tisbury on  
11 Martha's Vineyard, a direct byproduct of offshore  
12 wind farm development offers an opportunity  
13 well-suited to the island's marine and human  
14 resources and promises to make a significant  
15 contribution to a sustainable Island economy for  
16 long term.

17 A growing and significant part of our local  
18 blue economy and family owned aquaculture  
19 businesses, these small businesses -- in particular  
20 shellfish businesses -- are under increasing threat  
21 promotion acidification from greenhouse gas  
22 emissions. As acidity increases, shells become  
23 thinner, growth becomes slower and death rates rise.  
24 Impacts from ocean acidification will be mitigated

1 by renewable offshore wind. Because the future of  
2 offshore wind facilities would produce three fewer  
3 greenhouse gas emissions and fossil fuel power  
4 generating facilities with similar capacities, the  
5 reduction in greenhouse gas emissions due to future  
6 offshore wind projects or avoidance of increased  
7 greenhouse gas emissions from equivalent fossil fuel  
8 powered energy production will result in long-term  
9 beneficial impacts on demographics, employment and  
10 economics.

11 We encourage any future developers also to  
12 work with BOEM to incorporate aircraft detection  
13 lighting systems on their turbines as Vineyard Wind  
14 1 has proposed for their project in order to  
15 significantly reduce the amount of time that  
16 lighting will be visible from shores on Martha's  
17 Vineyard. We applaud Vineyard Wind for taking this  
18 feedback from our community and incorporating ADLS  
19 in their project, which makes nighttime lighting  
20 impacts in our local community reduce to negligible.  
21 Thank you for the attention on this matter and  
22 allowing us to speak today.

23 CHRISTINE DAVIS: Thank you, Ben. Next we  
24 have Richard, and then Abby, and then Daniel. And

1 then we may have Polly, although we're not seeing  
2 you on the line right now. So if we don't resolve  
3 that, we'll go on to Ben H. So the next person up is  
4 Richard, go ahead and begin your comments, Richard.

5 RICHARD TOOLE: Okay. Can you hear me?

6 CHRISTINE DAVIS: I can hear you just fine,  
7 thank you so much.

8 RICHARD TOOLE: Thank you. Thank you for  
9 having this great process. I know we're all living  
10 in this virtual world now. I don't think we're  
11 getting used to it, that's for sure. But anyway, my  
12 name is Richard Toole, R-i-c-h-a-r-d Toole,  
13 T-o-o-l-e. I've been a resident of the Vineyard for  
14 going on for 50 years. I live in the town of Oak  
15 Bluffs. I represent the town of Oak Bluffs on the  
16 Cape and Vineyard Electric Cooperative on the Cape  
17 Light Compact, and I'm also chairman of Oak Bluffs  
18 Energy Committee. And as my fellow people then  
19 spoken so much more eloquently than I'm ever going to  
20 be able to do, Kate, and Marc and Alan, Ben. I'm  
21 involved in committees that they're working on. I  
22 don't need to repeat everything or anything that  
23 they said, I agree with everything 100%.

24 I guess I'm thrilled at this point. I don't

1 know how long this is going to go on. But so far  
2 everybody has spoken in favor of this proposal. So I  
3 think that says a lot. This is the only solution to  
4 our -- to our climate change problem. If we don't go  
5 to clean, renewable energy as soon as possible and  
6 stop burning fossil fuels, we're going to be in big  
7 trouble, and has already been mentioned, this is  
8 Martha's Vineyard, an island five miles off the  
9 coast. And we are facing dire consequences, probably  
10 even if we change completely at this point because  
11 so much has been done. So I just want to say please,  
12 please, as soon as possible, approve this project  
13 and let them get underway. Thank you very much.

14 CHRISTINE DAVIS: Thank you, Richard. Next  
15 we have Abby, then Daniel, potentially Callie and  
16 then Ben. So with that, we'll turn it to Abby. Audio  
17 Hello, Abby.

18 ABBY WATSON: Can you hear me?

19 CHRISTINE DAVIS: Yeah, I can you  
20 great, Abby, go ahead.

21 ABBY WATSON: Excellent. Thank you. My name  
22 is Abby Watson, A-b-b-y W-a-t-s-o-n. I am the head  
23 of Government Affairs for North America so Siemens  
24 Gemesa could make the renewable energy, and

1 alongside the entire industry, we've eagerly awaited  
2 the outcomes of BOEM's work to assess the cumulative  
3 impacts of offshore wind off the Northeast Coast of  
4 the U.S. We applaud the agency's rigorous effort to  
5 quantify and analyze all of the associated benefits  
6 and impacts across multiple stakeholders and users  
7 of ocean resources. We deeply appreciate the  
8 opportunity to provide testimony to you today as one  
9 of those interested stakeholders.

10 Siemens Gamesa Renewable Energy is the  
11 world's leading offshore wind turbine manufacturer  
12 with extensive experience entering new markets and  
13 establishing offshore wind supply chains to serve  
14 those markets. SGRE is proud to have secured  
15 conditional orders and preferred supplier status for  
16 over 4300 megawatts of future U.S. offshore wind  
17 projects.

18 We're also actively in the process of  
19 supplying the turbines, including the construction  
20 program for their installation, and ultimately will  
21 support the operations and maintenance services for  
22 the Coastal Virginia Offshore Wind Pilot Project.  
23 This project is being led by our partners Dominion  
24 Energy and Earth Shed who have shown a deep

1 commitment to advancing offshore wind and the  
2 opportunities it provides to communities.

3           Construction on this important pilot  
4 project, the first turbines to be installed in  
5 federal waters here in the U.S., is nearing final  
6 completion with both turbines now fully installed.  
7 We're very proud to be part of this project, which  
8 brings us one step closer in positioning the U.S. as  
9 a global leader in the offshore wind market. The  
10 public benefits of the Vineyard Wind offshore wind  
11 development extend well beyond the geographic  
12 boundaries of the offtake seeds. As other people  
13 have commented today, the American Wind Energy  
14 Association estimates that offshore wind will create  
15 83,000 new U.S. jobs and \$25 billion in annual  
16 economic output through 2030. And Vineyard Wind as  
17 the first utility scale project is the tipping point  
18 for this pent-up commercial energy. The market  
19 signal that will come from Vineyard is clearly seen  
20 in the range of offshore stakeholders that have come  
21 here today to offer their support and hope for  
22 future investment opportunities.

23           Given the broader implications of BOEM's  
24 final assessment of the Vineyard Wind supplemental



1 EIS which will impact the development of a majority  
2 of the U.S. offshore wind market, many elements of  
3 the U.S. offshore wind value chain are poised to  
4 make investments pending the outcome of this  
5 process. The success of Vineyard Wind is crucial to  
6 the success of the U.S. future offshore wind  
7 industry. As an equipment manufacturer, we cannot  
8 provide detailed comments on the majority of BOEM's  
9 findings in their draft SEIS that pertain to areas  
10 outside our expertise. However, we would like to  
11 express concern about alternative F and its  
12 potential impact on the capacity of the lease areas  
13 currently available to the offshore wind industry.  
14 This proposal to create additional transit lanes  
15 beyond the one by one nautical mile grid lanes that  
16 have already been established, would substantially  
17 reduce the areas available for development without  
18 significantly improving national navigational safety  
19 for vessels.

20           Such a reduction in potential capacity for  
21 these lease areas may pose a threat to the ability  
22 for adjacent states to meet their clean energy  
23 goals. Siemens Gamesa has a long-standing commitment  
24 to investment in the U.S. In the last few years

1 alone, we've invested \$35 million in capital  
2 expenditures that our two U.S. onshore wind  
3 manufacturing facilities in Kansas and Iowa, are now  
4 actively engaged in discussions with stakeholders in  
5 several states on how to localize our offshore wind  
6 supply chain to benefit local communities. Such  
7 discussions cannot come to fruition if offshore wind  
8 developers are not able to proceed with their  
9 planned projects due to a significant shift in  
10 project economics or timeline.

11 In conclusion, we urge the Bureau of Ocean  
12 Energy Management to consider the vast potential  
13 benefits that offshore wind can bring to the U.S.  
14 and strike an appropriate balance that helps bring  
15 this transformative industry to our shores. Thank  
16 you for the opportunity to provide comments today.

17 CHRISTINE DAVIS: Thank you very much,  
18 Abby. Next we'll have Daniel, and I believe Polly is  
19 gone, but Polly Ferran, if you can press Star 1 now  
20 just for a last chance to get you back in the queue.  
21 So after Daniel, it'll be Polly if she joins us,  
22 Ben, and then we've got a Massachusetts State  
23 Senator joining us. So we'll go with Daniel right  
24 now. Daniel.

1 DANIEL WEBB: Hi, this is Daniel, can you  
2 hear me?

3 CHRISTINE DAVIS: Can hear you perfectly,  
4 thank you.

5 DANIEL WEBB: Great. My name is Daniel Webb  
6 spelled D-a-n-i-e-l. Last name W-e-b-b. I  
7 appreciate the opportunity to provide public  
8 comments. I'm a native and year-round resident of  
9 Cape Cod, and live in Falmouth. I wanted to disclose  
10 that I work in the field of renewable energy. But my  
11 work is all land based and it's not connected in any  
12 way to these offshore proposed projects. I've  
13 reviewed the SEIS and I believe it's been done  
14 thoroughly and diligently. And I think it clearly  
15 shows the benefits of offshore wind and that those  
16 benefits significantly outweigh the impacts. Of  
17 course, no energy source has zero impacts. Certainly  
18 our current reliance on fossil fuels has many, many  
19 negative impacts on climate change, on our economic  
20 security, and on geopolitical stability. Although  
21 offshore wind is new to North America, it really is  
22 not a new technology.

23 The first offshore wind farm was built 30  
24 years ago in 1991 in Denmark, so the impacts and the

1 benefits of this technology can be assessed from  
2 those three decades of experience. I know that the  
3 impact on fisheries primary concern with these  
4 offshore wind farms. I believe that our fisheries  
5 will benefit from reduced carbon emissions and  
6 reduced climate change, less ocean acidification.  
7 Further, fishing communities, people who are  
8 familiar with ships and machinery and working on the  
9 oceans, people with those very specialized skills  
10 will be among the first to benefit from well paid  
11 technical jobs in offshore wind. And long after  
12 construction is over, the operation and maintenance  
13 requirements are substantial and will be ongoing for  
14 decades.

15           An impact statement by definition examines  
16 the impacts of building something. However, we  
17 should also consider the opposite question. What are  
18 the impacts of delaying or reducing the growth of  
19 offshore wind? Delaying or reducing renewable energy  
20 growth means more climate change, more pollution,  
21 more extreme weather, and more money leaving our  
22 region to pay for fossil fuels that are brought in  
23 from elsewhere. I believe that once these offshore  
24 wind farms are operating, we will all be much more

1 secure. By more secure I mean better energy  
2 security, better economic security, better  
3 geopolitical security, and better climate security.  
4 Thank you for the opportunity to comment.

5 CHRISTINE DAVIS: Thank you very much.  
6 Okay, next we have our second Ben of this session  
7 and then the state senator. We believe Julius is  
8 on but we're not 100% certain, just very similar to  
9 Molly. If not, we'll move on, potentially to Keeley  
10 and then to Mike. With that, I'll turn it over to  
11 Ben, please.

12 BEN HELLERSTEIN: Great. Thank you so much  
13 to BOEM for the opportunity to offer our testimony  
14 today. My name is Ben Hellerstein and I'm the State  
15 Director for Environment Massachusetts, the  
16 statewide environmental advocacy organization. We  
17 work to protect clean air, clean water and open  
18 space together with our tens of thousands of citizen  
19 members and supporters. We're part of a national  
20 network Environment America that advocates for  
21 offshore wind energy and other policies to protect  
22 our environment up and down the East Coast and  
23 across the country.

24 We support the use of our offshore wind

1 resources to provide limitless pollution free energy  
2 for Massachusetts and other East Coast states. In  
3 Massachusetts, as other speakers have pointed out,  
4 offshore wind is the largest renewable energy  
5 resource we have. In 2018 we released a report Wind  
6 Power to Spare, the Enormous Energy Potential of  
7 Atlantic Offshore Wind, documenting the potential  
8 for offshore wind energy along the Atlantic coast.

9 Our report shows that Massachusetts has the  
10 highest offshore wind potential of any state in the  
11 country. Our potential is equivalent to more than 19  
12 times the state's annual electricity consumption.  
13 And even if our heating and transportation are  
14 converted to electric power, which is a trend that  
15 is already underway and something that is absolutely  
16 necessary, Offshore wind will still be sufficient to  
17 power Massachusetts eight times over. Our offshore  
18 wind resources along with our potential for other  
19 forms of clean energy, like solar, give us  
20 confidence that a future powered by 100% clean and  
21 renewable energy is feasible.

22 When we achieve 100% renewable energy our  
23 air will be cleaner, our communities will be  
24 healthier, and we'll be doing our part to avoid

1 devastating climate change. As SEIS says, Vineyard  
2 Wind and other proposed offshore wind projects will  
3 help Massachusetts and other East Coast states to  
4 reduce their reliance on polluting fossil fuels.  
5 Once completed, the Vineyard Wind project will  
6 produce approximately 6% of the electricity consumed  
7 from Massachusetts, while avoiding 1.6 million tons  
8 of carbon dioxide annually, the equivalent of taking  
9 325,000 cars off the road.

10           The project will also result in a  
11 significant reduction in other pollutants like  
12 nitrogen oxides and sulfur dioxide that harm our  
13 health. There's been an extensive process to gather  
14 input on Vineyard Wind from key stakeholders,  
15 beginning with the selection of lease areas and  
16 continuing through multiple stages of the project  
17 design.

18           As other speakers have pointed out,  
19 Vineyard Wind has responded to this input by making  
20 significant adjustments in the project plans, and  
21 the company has also shown a commitment to building  
22 a cooperative relationship with the project's host  
23 communities. They have committed to significant  
24 investments in renewable energy and resiliency in

1 communities throughout southeastern Massachusetts.  
2 The SEIS reinforces our view that Vineyard Wind can  
3 be built in a way that protects wildlife in our  
4 natural resources. Vineyard Wind represents The  
5 launching point for the American offshore wind  
6 industry. Please advance this project as quickly as  
7 possible so that all of us can breathe cleaner air  
8 and live in a safer climate. Thank you.

9 CHRISTINE DAVIS: Thank you very much, Ben.  
10 Next we'll have the state senator. Potentially we  
11 might have Keeley, but if not, we'll move on to like  
12 Jacob. Jacob, William, David. Actually, I may say  
13 William Lake than David and then William Birdwell.  
14 So with that, I'll turn it over to the state senator  
15 from Massachusetts.

16 SENATOR MARC PACHECO: Can you hear me?

17 CHRISTINE DAVIS: Yes, I can hear you just  
18 fine. Thank you.

19 SENATOR MARC PACHECO: Great. Thank you very  
20 much. My name is Marc, M-a-r-c, last name Pacheco,  
21 P-a-c-h-e-c-o. I am the Dean of the Massachusetts  
22 State Senate and the founding Chair of the Global  
23 Warming Committee here in the Commonwealth of  
24 Massachusetts. And the author of the 2008 Global



1 Warming Solutions Act, which is a legally binding  
2 piece of legislation that is now statute that  
3 requires a greenhouse gas reduction in the  
4 Commonwealth, and in the process of making sure that  
5 we also have this binding legal authority to get to  
6 net zero by 2050. The administration is also on  
7 board with that. And in order for us to do that, we  
8 need this offshore wind initiative to go through off  
9 the coast of Massachusetts.

10           The Vineyard Wind 1 project is something  
11 that deserves to be approved. It will significantly  
12 impact our public health in our air quality in a  
13 positive way. It will reduce significantly  
14 greenhouse gas emissions, it will create literally  
15 thousands and thousands of jobs, will be the leader  
16 in terms of this industry in America. And when you  
17 look at the cost savings that consumers will have as  
18 a result of this, it's over a billion and a half  
19 dollars through the life of the project that they  
20 will save on utility bills. So when you look at the  
21 the cost savings to consumers, when you look at the  
22 jobs that will be creating, we're on the cusp of a  
23 sustainability revolution. When you look at the  
24 greenhouse gas reduction and the impact, positive

1 impact on public health.

2           For all these reasons, I'm urging the  
3 Bureau of Ocean Energy Management to immediately  
4 approve this as quickly as possible. It has been  
5 frustrating from the perspective of someone who has  
6 been out to Denmark and numerous other places in  
7 Europe and beyond where we've seen the offshore wind  
8 industry thrive, when we've seen it thrive sharing  
9 ocean space with the fishing industry. The fishing  
10 industry when we look at that industry in  
11 Massachusetts, it's always been a big part of our  
12 culture, and a big part of our economy, and a big  
13 part of the food product here in in Massachusetts,  
14 and I see very little impact at all on the fishing  
15 industry, especially when you balance that against  
16 what will take place with the cumulative impact of  
17 ocean acidification and ocean warming on the fishing  
18 industry, which will have a serious detrimental  
19 impact on the fishing industry. So I hope that when  
20 BOEM is reviewing this, I hope they're reviewing the  
21 standards up against what will take place in terms  
22 of increased climate change.

23           And finally, I just want to say that the  
24 cost of inaction here will be in the trillions of

1 dollars. If we do not act quickly on this and send  
2 the message to the industry as a whole, that both  
3 the state and federal government and all of the  
4 state governments in the northeast that are onboard  
5 here, that this does not move forward, it will send  
6 a negative message both I think up to the federal  
7 government level and to the industry as a whole,  
8 because if you look at this anywhere else in the  
9 world, it has been a success. This can be a win-win-  
10 win scenario. And very rarely are there these types  
11 of opportunities where you can have a win-win  
12 outcome with proposals that come forward. That will  
13 happen with the adoption of the Vineyard Wind 1  
14 Project. Thank you very much, and I'll follow it up  
15 with some written testimony.

16 CHRISTINE DAVIS: Thank you very much,  
17 Senator. okay with that, I don't believe Keely is on  
18 but one last chance. Then after that, we'll have  
19 Mike, then William Lake. Then David and then William  
20 Birdwell. So Keely by chance. Okay. Ahead to Mike,  
21 are you there?

22 MIKE JACOBS: Mike Jacobs is here. Can you  
23 hear me?

24 CHRISTINE DAVIS: Awesome. Thank you. Go

1 ahead.

2 MIKE JACOBS: This is seamless. Mike  
3 Jacobs, M-i-k-e J-a-c-o-b-s. I'm a seasonal Martha's  
4 Vineyard Island resident, the members of Vineyard  
5 Power Cooperative. One point I recall from my  
6 youth, the prominently visible wind turbines in  
7 Vineyard Haven, and on Cuttyhunk Island adjacent to  
8 Martha's Vineyard that showed me the possibility of  
9 our future for our community and our energy supplies  
10 in wind power. In the development of the offshore  
11 wind, and in this particular package of impacts  
12 addressed in the SEIS there is two areas of concern  
13 that has been addressed, and I want to describe  
14 those for the project in the SEIS.

15 First, the visual impacts from aircraft  
16 warning lights is a concern that needs to be  
17 addressed, and its opposed use of lights activated  
18 only when aircraft approach addresses our community  
19 concerns. This has been described properly as  
20 negligible and the SEIS.

21 Second, importantance of impacts on water  
22 users, which includes but is much larger than the  
23 group that are fishermen. So significant issue for  
24 all island residents and, in fact, all coastal

1 dwellers in the northeast.

2           So regarding navigation, the wind  
3 developers have agreed to a one mile by one mile and  
4 uniform layout, which the coast guard has endorsed.  
5 If this is good enough for the U.S. Coast Guard,  
6 it's good enough for the rest of us. But more  
7 important of water uses is a benefit of opening the  
8 U.S. to offshore winds as a reducer of greenhouse  
9 gas emissions. Our island and all the harbors  
10 throughout the Northeast are facing higher sea level  
11 rise than other parts of the USA.

12           With fossil fuel use access to the water  
13 will be impaired by sea level rise. The proposed  
14 action building this wind farm and the cumulative  
15 effects of building the 20 plus wind farms will  
16 reduce carbon emissions and methane emissions and  
17 help protect our harbors and our access to the  
18 waters. In closing, I want to say this is a complete  
19 and adequate environmental impact statement. And I  
20 hope that you will please direct the approval at  
21 this time. Thank you.

22           CHRISTINE DAVIS: Thank you. I can't  
23 remember if you spelled your name and just because I  
24 didn't, can you please just do that again?

1                   MIKE JACOBS: Mike, M-i-k-e, Jacobs,  
2 J-a-c-o-b-s.

3                   CHRISTINE DAVIS: Thank you very much.  
4 Okay. Next, we'll go to the first William. Oh, I'm  
5 sorry. I believe that Keely's on now. Let's see if  
6 we can get Keeley and then we'll go to William  
7 Lakeland, David. And then the other William  
8 Birdwell. Well, so Kelly, are you on? Can we get to  
9 you now?

10                  KEELY MENEZES: Hi, yes, I'm on. Can you  
11 hear me?

12                  CHRISTINE DAVIS: Oh, thank you for your  
13 patience. Thank you, and I can hear you just fine.  
14 So go ahead.

15                  KEELY MENEZES: Okay, great. Hi, everyone,  
16 my name is Keeley. I'm a resident in Massachusetts  
17 as well as the current Master's in Public Health  
18 student at Tufts University.

19                  I have an interest in environmental health  
20 and the massive positive public health implications  
21 of a shift towards renewable energy sources such as  
22 offshore wind. I really would like to echo a lot of  
23 the things that I heard said earlier in the call, as  
24 well as kind of reiterate some of it from a public

1 health impact standpoint.

2 I see in the potential beneficial impact  
3 levels portion of the SEIS, you all site notable  
4 and measurable improvements in human health, and I  
5 would just like to expand on that a little bit. So  
6 the carbon emissions created by the current energy  
7 infrastructure in the United States is a major  
8 factor in our warming climate.

9 Some of the health impacts that of that  
10 warming climate include consequences of human labor  
11 in hotter environments, which include increased risk  
12 of heat exhaustion and heatstroke, as well as  
13 worsening of chronic conditions like lung and heart  
14 and kidney disease. Consistent exposure to higher  
15 temperatures also have been linked to increase  
16 instances of violence and aggression, declines in  
17 cognitive function, and the worsening of mental  
18 health conditions.

19 The infrastructural and healthcare and  
20 emotional costs have increased instances of extreme  
21 weather events due to rapid barometric changes, and  
22 the relationship between rising sea surface  
23 temperature and the strength of germline, all of  
24 those mass public health threats. Their direct costs

1 there in terms of drownings, other injuries,  
2 property damage, disaster related health system  
3 failures, as well as a massive cause of human  
4 displacement and a rise in climate refugees. They're  
5 also consequences of climate changes and elevated  
6 transmission of tick, mosquito and waterborne  
7 illnesses. These are caused by longer warm water  
8 seasons and increased water temperatures, which  
9 support bacteria and pathogen populations and speed  
10 of virus replication cycle. CO-2 emissions and the  
11 health effects of climate change have an inverse  
12 relationship on the nature and basis as well. So  
13 those that produce the most are just simply  
14 disproportionately, that's a global burden.

15           The United States emits six times the  
16 global average of CO-2. So it should be taken as a  
17 personal responsibility upon the United States to  
18 make a change here. Investing in renewable energy  
19 has the capacity to directly reduce human suffering  
20 on a global scale. And this process here offshore in  
21 offshore wind represents an infinitely important  
22 shift away from fossil fuel and a new deviation of  
23 that burden. And I would just like to echo an  
24 individual before me talked about how the cost of



1 inaction is just so much greater than the cost of  
2 action. And I would like to put that into some  
3 healthcare terms, so it costs roughly \$30 per ton  
4 more to use a renewable source of energy than a  
5 fossil fuel source and energy, but as a direct  
6 result of that carbon being removed from the  
7 environment by a renewable source that results in a  
8 50 to \$380 per ton of CO-2 savings in healthcare  
9 costs, pushes up to more than a 10 times difference.  
10 And as well, as you know, the innumerable jobs is far  
11 more the renewable energy sector is far more  
12 employable than oil sectors.

13 I have a massive amount of respect for the  
14 attention of detail and all the project impact  
15 statements and meticulousness of this process from  
16 all the parties involved. But I would like to  
17 celebrate the consideration of marine ecosystems in  
18 this process, while urging you all to take a step  
19 back and consider how the net impact of this project  
20 is measurable gains for all ecosystems, one we've  
21 waited for far too long, and are all deserving  
22 of. As a young person I would just like to say that  
23 I think that confronting the global climate crisis  
24 is one of the greatest self-help opportunities of

1 our lifetime and is absolutely our responsibility to  
2 act, and this is a wonderful first step to do so.  
3 Thank you so much.

4 CHRISTINE DAVIS: Thank you, Keely. By  
5 chance can you spell your first and last name for  
6 the court reporter, please.

7 KEELY MENEZES: Yeah, Keely, K-e-e-l-y,  
8 Menezes, M-e-n-e-z-e-s.

9 CHRISTINE DAVIS: Thank you very much.  
10 Okay. So with that now we'll turn it to William  
11 Lake. And then we've got David and then William  
12 Birdwell. And just as a quick reminder we are  
13 getting towards the end of our list. If you've  
14 preregistered and you haven't yet hit Star 1 to make  
15 sure you're in the queue, please do so. Anyone on  
16 the phone or on zoom, please press Star 1 to make  
17 sure that you have had a chance to get your name in  
18 the queue. All right. So with that, William Lake,  
19 please.

20 WILLIAM LAKE: Thank you. Can you hear me?

21 CHRISTINE DAVIS: We can hear you just  
22 fine, William. Thank you.

23 WILLIAM LAKE: Thank you. William Lake,  
24 L-a-k-e. I live in the town of Aquinnah on Martha's

1 Vineyard. I'm a Director of Vineyard Power, which is  
2 the nonprofit, local partner of Vineyard Wind and  
3 chair of Aquinnah's Climate and Energy Committee.  
4 Like all of the previous speakers, I strongly  
5 support the Vineyard 1 Project. I applaud BOEM for  
6 all the work that's gone into the draft EIS and now  
7 the supplement. The supplement demonstrates again,  
8 on a larger scale, the strong public interest  
9 benefits of developing the offshore wind industry on  
10 our northeast seaboard.

11 Economic benefits of this industry promise  
12 to be tremendous at a time when some other U.S.  
13 industries struggle or decline, offshore wind is set  
14 to take off and provide thousands of good paying  
15 jobs not only in the construction and operation of  
16 the wind turbines themselves, but also indirectly  
17 through the development and expansion of ports,  
18 shipping and related industries. As others have  
19 noticed, the offshore wind industry is expected to  
20 create more than 80,000 jobs in the next 10 years,  
21 with private investment reaching upwards of \$25  
22 billion per year by 2030. And Vineyard Wind alone  
23 creates 3600 jobs for local residents over the life  
24 of the project. And because wind can now produce

1 energy so cheaply, Vineyard Wind will save ratepayers  
2 more than \$1.4 billion in energy costs during the  
3 first 20 years of the project. But even more  
4 important will be the contribution of offshore wind  
5 to combating climate change caused by fossil fuel  
6 energy generation.

7           Our island and coastal communities are  
8 already seeing the impacts of climate change in more  
9 extreme storm events, alternating flooding and  
10 drought and sea level rise. Vineyard Wind alone will  
11 remove almost 1.7 million tons of CO-2 from the  
12 atmosphere annually. Thus, it will help to achieve  
13 Martha's Vineyard's goal of being 100% renewable for  
14 electricity by 2040 and the Massachusetts target of  
15 being carbon neutral by 2050. And because offshore  
16 wind generates power at long term fixed prices, it  
17 provides a hedge against fossil fuel volatility,  
18 protecting consumers and providing greater energy  
19 security.

20           Offshore wind is the renewable energy  
21 source that we have on the Northeast seaboard. Other  
22 parts of the country may have other resources, such  
23 as hydroelectric, geothermal, or onshore wind. But  
24 here offshore wind is it. If we're going to harness

1 renewable energy in our region, this is the resource  
2 we have. I hope the project will be clear to go  
3 ahead promptly. And I thank you very much.

4 CHRISTINE DAVIS: All right, thank you very  
5 much too. All right. So we are getting down to the  
6 number of speakers that we have in the queue. So  
7 just a reminder, Star 1 if you want the opportunity  
8 to speak tonight. Next we'll have David if you can  
9 take your name please. David.

10 DAVID BORRUS: David Borrus. D-a-v-i-d.  
11 B-o-rrr-u-s. I am the business manager for Pile  
12 Drivers and Divers Local 56. We are a statewide  
13 local but we are the marine construction division of  
14 the United Brotherhood of Carpenters. So we recently  
15 celebrated our 100th anniversary.

16 In the last hundred years we have been the  
17 constructors of all major offshore projects in New  
18 England and certainly in coastal Massachusetts gas  
19 and energy lines that gear island outfall, some  
20 recent ones but sunken tube tunnels, you name it,  
21 we've done it. And I represent -- there's over 500  
22 men and women who do this work. I want to state at  
23 the outset that many of the speakers have, you know,  
24 referenced the important environmental and

1 socioeconomic benefits of the Vineyard Wind project.  
2 We're in agreement with all of that.

3 My focus is of course, is the business  
4 managers on the jobs, and we are the people as I  
5 think Marc Rosenbaum said, we're the people who are  
6 going to construct this work, and our members are  
7 mariners, they are welders, pile drivers, commercial  
8 divers, riggers. This is the nuts and bolts of how  
9 the first stage of this project will happen is with  
10 skilled trades workers and men and women who make up  
11 our Local and we have worked quite well with  
12 Vineyard Wind, they have been big supporters of  
13 skilled workers. They've contributed heavily to  
14 training programs that our members are taking right  
15 now.

16 We worked with Mass EC, Vineyard Wind in  
17 the United Brotherhood of Carpenters, after going  
18 over \$150,000 -- 100,000 came directly from CEC and  
19 200,000 was contributed to that fund by Vineyard  
20 Wind to train workers to the GWO standard. I believe  
21 Maria Hannah spoke to that, that's the basic  
22 offshore safety standard. We already have 24  
23 members, men and women who have been through the  
24 program ready to go to work. And another person

1 recently spoke -- might have been William Lake --  
2 who spoke to the local -- the ancillary jobs this  
3 will create, in addition to the construction, but  
4 development of ports. To that we have -- we were the  
5 construction force that built the Marine Commerce  
6 Terminal in New Bedford and currently we have a dive  
7 job there going on to -- I believe it's coding  
8 process for the pier there. We have specified with  
9 our with our employers -- with our signatory  
10 contractors that New Bedford and local area  
11 residents get first crack at this work. And I can  
12 tell you right now the first two divers on that  
13 project, the current dive project there at the  
14 Marine Commerce Terminal, were born and raised in  
15 New Bedford. We support very much the -- that the  
16 option D in the SEIS is sufficient and certainly  
17 allows for -- and that's the 1.1 nautical miles  
18 between towers allows for safe transit of the area,  
19 the Coast Guard has sent us plenty of room. We  
20 support that option, we fully respect the needs of  
21 commercial fishermen to access and transit the area.

22 We also want to say the ocean is a shared  
23 resource and other people have to make their livings  
24 on the ocean, such as marine construction workers as

1 well. The Coast Guard feels not only it's a good --  
2 it's a good plan for transiting the space, but also  
3 that it allows for them to do the search and rescue  
4 operations and everything else. So the work that  
5 the Coast Guard does, and we feel that's the choice  
6 that BOEM should make to move this project forward.  
7 We strongly support the permitting of the Vineyard  
8 Wind 1 Project and we hope to see the permits issued  
9 soon so we can begin this work that all of us, so  
10 many people tonight have stated so many good reasons  
11 to get it going. We believe that like many of you  
12 do, it's a win. It's a win for energy independence  
13 for Massachusetts. It's a win for clean, renewable  
14 power, and it's a win for jobs for the residents of  
15 southeastern Massachusetts. Thanks very much.

16 CHRISTINE DAVIS: Thank you. Next we'll  
17 have William Birdwell and then Nicole and then  
18 Amber. So William, William Birdwell.

19 WILLIAM BRIDWELL: Hello, can you hear me?

20 CHRISTINE DAVIS: I can hear you just fine.  
21 Thank you, go ahead.

22 WILLIAM BRIDWELL: Okay. Yes, first of all,  
23 my name is William Bridwell. That's W-i-l-l-i-a-m  
24 B-r-i-d-w-e-l-l. And I would like to say that I am



1 a member of Vineyard Power, and I want to thank you  
2 very much for letting me speak this evening. I want  
3 to start by saying that climate change is real and  
4 its effects are already being felt around the world.  
5 It's going to get worse, especially if we don't take  
6 steps to reduce our impact. That being said, green  
7 energy is a way to reduce that impact. And that is  
8 why Vineyard Wind project is so important. I was  
9 going to bring up some more of the other talking  
10 points about the concern with the fisherman and  
11 the amount of jobs that it will produce and the  
12 amount of energy that this project will produce,  
13 that being green energy, but all those points have  
14 been talked up quite well already.

15           So I would also like to say that this  
16 offshore project will also help Martha's Vineyard to  
17 reach its goal of hopefully having green energy and  
18 transportation by the year 2040 at a 100% level. I  
19 don't have anything else to add except that  
20 hopefully we can get this project going quickly. And  
21 that I think that there is no need to fear this  
22 technology is so good now that it's got 30 years  
23 experience, as someone has pointed out earlier, and  
24 I just hope that we can get started sooner than

1 later. Thank you for letting me speak.

2 CHRISTINE DAVIS: Thank you, William, and  
3 thank you for spelling your name for us. Appreciate it.

4 WILLIAM BRIDWELL: That's all right, no  
5 problem.

6 CHRISTINE DAVIS: All right, next we'll  
7 have Nicole and then Amber. And as I see it right  
8 now, I think that's all we have. So if you are  
9 interested in providing comments yet this evening,  
10 please press Star 1 at this time so we can get you  
11  
12 in the queue. With that I'll turn it over to Nicole  
13 to state and spell your name, please.

14 NICOLE DIPAOLO: Hello, my name is spelled  
15 Nicole, N-i-c-o-l-e, DiPaolo, D-i-P-a-o-l-o. Can you  
16 hear me?  
17 r

18 CHRISTINE DAVIS: Yep, I can hear you just  
19 fine. Thank you.

20 NICOLE DIPAOLO: Awesome. Thank you. My name  
21 is Nicole DiPaolo, I'm from the National Wildlife  
22 Federation, and I want to start by thanking you for  
23 your work on this cumulative impact report and for  
24 the opportunity to speak on it. The National  
Wildlife Federation has been advocating for



1 responsibly developed offshore wind power for over a  
2 decade. Climate change is the greatest threat to  
3 American wildlife, wild places and communities  
4 around the country. We know that strong action must  
5 be taken to make a rapid transition to a responsible  
6 clean energy economy. We believe that the Vineyard  
7 Wind 1 Project will be a positive contribution to  
8 this transition and that it move forward.

9           Responsible development of offshore wind  
10 avoids, minimizes and mitigates impact to wildlife  
11 every step of the way. Vineyard Wind has supported  
12 our high standards for wildlife protection. And last  
13 winter, they signed a historic agreement with the  
14 National Wildlife Federation and our partners at the  
15 Natural Resource Defense Council and Conservation  
16 Law Foundation to protect the critically endangered  
17 North Atlantic Right Whale.

18           This agreement commits Vineyard Wind to  
19 restricted period for construction, limiting the  
20 times of year that pile driving can occur to those  
21 when right whales are less likely to be present.  
22 Also in the agreement, the developer commits to  
23 enhance monitoring protocols and the best technology  
24 available to be employed throughout construction,

1 taking the strongest possible measures to reduce  
2 noise, observe and detect marine mammals and report  
3 and share data and adapt strategies guided by the  
4 best and most current science.

5 Last but certainly not least, vessel speed  
6 restrictions are implemented in all seasons. Vessel  
7 strength and entanglement in fishing gear are the  
8 leading cause of the North Atlantic Right Whale  
9 death. There were only 400 of these whales remaining  
10 in the world today, and of these only 95 are  
11 breeding females. And just yesterday, one was found  
12 dead on the New Jersey coast. We believe that the  
13 precedent-setting agreement between Vineyard Wind,  
14 ourselves and our partners will help avoid these  
15 tragedies.

16 We also believe that these practices should  
17 be a standard for all projects and simply a barrier  
18 to entry for the industry. And we appreciate  
19 Vineyard Wind's commitment to leading by example  
20 and demonstrating the commercial viability of our  
21 request. Our high standards for renewable energy  
22 development allow for us to make every attempt to  
23 avoid the most devastating impacts of climate  
24 change, while also avoiding and minimizing

1 disruption to vulnerable species and habitat. We  
2 must stand these projects up as soon as the  
3 responsible development will allow. Over 10,000  
4 megawatts of coal, nuclear and oil-fired power  
5 plants providing energy to New England are likely to  
6 retire in the next few years. We have no time to  
7 lose. The technology is ready. The cost is  
8 competitive. And the time is right for launching  
9 this global industry in the United States that could  
10 create over 83,000 jobs by 2030 and invest tens of  
11 billions of dollars into our economy. Thank you so  
12 much.

13 CHRISTINE DAVIS: All right. Thank you,  
14 Nicole. I appreciate your comments. And it looks  
15 like we're down to a couple more folks. Amber and  
16 then David. So, Amber, go ahead. Please state and  
17 spell your name.

18 AMBER HEWETT: Yes. Hello. Can you hear me?

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

21 AMBER HEWETT: Hi, I'm Amber Hewitt. Amber  
22 is A-m-b-e-r and Hewett is H-e-w-e-t-t. Thank you so  
23 much for the opportunity to speak this evening, and  
24 I just have to applaud how smoothly this has run.

1 Thank you to everyone who worked to rise to this  
2 challenge and hold virtual hearings so successfully.  
3 I'm speaking to you this evening as a candidate for  
4 state representative in the First Essex District of  
5 Massachusetts. That's on the North Shore. And I will  
6 not repeat in detail, but I will simply agree with  
7 an underscore the various levels of urgency we've  
8 already heard resounding in the comments this  
9 evening.

10           The urgency of climate change calls on the  
11 Commonwealth as it calls on every entity to advance  
12 solutions that rise to the scale of the challenge,  
13 and here in the northeast regions offshore wind  
14 power carries unmatched potential to transform our  
15 energy story into what it needs to be. We've also  
16 heard the urgency of launching an offshore wind  
17 industry during this energy crossroads New England  
18 sets up today. For decades too long our inability  
19 to align the political will needed to harness this  
20 opportunity has wedded us to the volatile fossil  
21 fuel market, and all the environmental public health  
22 and social justice impacts that come with it.

23           We've heard about the economic urgency of  
24 this moment, and the desperate need for long term

1 high quality jobs, like the thousands this project  
2 will deliver, and the tens of thousands more the  
3 industry as a whole has to offer the region. Large  
4 scale Clean Energy Solutions, like offshore wind  
5 power, are critical to building a resilient future  
6 we must reach for. And finally, this is the right  
7 project to start with. It's been vetted, it has  
8 adapted to concerns and Vineyard Winds commitment to  
9 protecting vulnerable wildlife like the critically  
10 endangered North Atlantic Right Whale, as we heard  
11 from our last commenter, sets the important  
12 precedent for the industry to follow.

13 This is the project and this is so long  
14 past the time. I urge approval of Vineyard Wind 1 so  
15 that we can get to work here in the Commonwealth and  
16 across the region on meeting the moment, this moment  
17 that demands the very best of us. Thank you so much.

18 CHRISTINE DAVIS: Thank you, Amber. So next  
19 we have David and at this time, David is the last  
20 speaker that I have so one more opportunity for  
21 folks to press Star 1 if you'd like to provide  
22 comment tonight; otherwise, we will wrap things up  
23 after David. So Star 1 if you want to comment. And  
24 with that, I'll turn it over to David.



1           DAVID ARAUJO: Hi, my name is David Araujo,  
2 I'm the president of the Southeastern Mass Building  
3 Trades. My name is spelled D-a-v-i-d A-r-a-u-j-o. I  
4 am calling tonight in response to this project in  
5 favor of this project for the 15 to 20,000  
6 construction workers that I represent in  
7 Southeastern Mass.

8           The trades have been directly involved with  
9 onshore and offshore wind up to this date with the  
10 offshore being Block Island in Rhode Island. We have  
11 the expertise to perform this work, I think that we  
12 are ready for the offshore wind industry -- overdue  
13 actually for the offshore wind industry to be  
14 involved in the United States. I think that it's  
15 well overdue. Vineyard Wind is committed to making  
16 sure that the jobs are United States jobs. With a  
17 foreign training on the onset, but very soon to be  
18 all United States jobs. They have contributed a lot  
19 to training not only at the trade level, but also in  
20 the colleges and in the high schools and in the  
21 areas of Southeastern Mass.

22           I think that the federal waters that this  
23 project will be involved with is an area where  
24 everyone can benefit, not only the fishing industry,

1 but the construction industry. And I do think that  
2 what everyone has said before me, you know, I could  
3 say ditto to, it's all very good points. Again, I  
4 would say that this meeting tonight has been very  
5 good, very well run. I appreciate the opportunity.  
6 And we look forward to working with Vineyard Wind  
7 and all of the other developers that will be  
8 involved in offshore wind, and I'd like to see the  
9 agency approve this permit as soon as possible. So  
10 that we can get started as soon as possible. I mean,  
11 we're looking at probably 20 to 30 years of work  
12 between construction and maintenance when the  
13 construction is over. And, you know, it's something  
14 for the next generation who are in school right now  
15 who don't even know that they want to get in this  
16 industry that will have the opportunity for a good  
17 paying job and a good way of life and support their  
18 families throughout Southeastern Mass.

19 So again, I do appreciate the opportunity  
20 to speak, and I commend Vineyard Wind on their due  
21 diligence and the hard work that they've done. And  
22 hopefully the goalpost will not get moved again. And  
23 we will be at the goal line -- we're at the goal  
24 line, and we need to get over it. Thank you.

1           CHRISTINE DAVIS: Thank you, David. In just  
2 a minute, we're going to go back to the question and  
3 answers. We did want to get the public comment  
4 first.

5           So we'll circle back to answer some of the  
6 questions that have been appearing in the chat box.  
7 So I want to make a last call for anyone who wants  
8 to provide comments, please press Star now, whether  
9 or not you've preregistered or you've just joined us  
10 via phone, you just jumped in midstream, any of that  
11 please press Star 1 and we'll see if there's anyone  
12 else, and then, as I noted, we're going to get back  
13 to some of the Q & A's.

14           I think I'm going to make this one of the  
15 last calls for Q & A too in the chat box, just so  
16 that we do have an end in sight tonight. It's been  
17 very good, but I just want to make sure that we give  
18 everybody a chance to press Star 1 to speak or into  
19 that chat box to ask the final questions that we can  
20 bring the meeting to a close. So I'm going to reach  
21 out to my colleagues, have you seen -- anyone else  
22 want to join the queue, operator, anyone else wanted  
23 to join the queue?

24           OPERATOR: At this time, ma'am I'm showing

1 no one else queued up.

2 CHRISTINE DAVIS: All right, thank you. So  
3 with that, I am going to end the public testimony  
4 portion of this meeting at 7:50 p.m. And I will turn  
5 it back over to Isis Farmer to lead us through the  
6 remaining question and answers. So Isis.

7 ISIS FARMER: Thank you, Christine. So  
8 continuing on with our questions and answers, there  
9 were two questions that were somewhat similar. So  
10 I'm going to provide the answer to both. The first  
11 question is why didn't BOEM do this before the wind  
12 energy areas were leased? And so I'm assuming the  
13 question is relating to development of an  
14 environmental impact statement. And the second  
15 question, if the COP has not been approved yet, and  
16 the surveying efforts were not in the site  
17 assessment plan, how are the developers allowed to  
18 conduct the operations that have been going on for  
19 the past two or three summers to do geophysical and  
20 geotechnical work? If the construction and  
21 operations plan is not approved yet, how can  
22 Vineyard Wind be conducting fish surveys? So thanks  
23 for these questions. BOEM's environmental review  
24 process occurs in several phases. During the first

1 phase, we work closely with state renewable energy  
2 task forces and other stakeholders to review  
3 available data, understand potential user conflict  
4 and identify the areas that are most appropriate for  
5 leasing. And the goal there is really to identify  
6 areas that have the least amount of user conflict.  
7 And that would have the, you know, least impact on  
8 biological, physical and archaeological resources.

9           Once those areas are identified BOEM  
10 conducts an environmental review on the leasing  
11 process, and, you know, the only thing that leasing  
12 does is it allows lessees to conduct additional  
13 survey work and submit additional plans for BOEM  
14 approval. And so the first -- after that survey work  
15 -- once that survey work is planned, the lessees  
16 submit a survey plan to us and so we review their  
17 plans for geophysical and geotechnical surveys,  
18 they're also able to submit a site assessment plan,  
19 which often involves the construction or  
20 installation of a meteorological tower, or one or  
21 more meteorological buoys. And so if you want more  
22 information about the environmental assessment that  
23 was done on the leasing process -- on the leasing of  
24 the lease that is currently owned by Vineyard Wind

1 you can go to BOEM's website, and that information  
2 is at www.BOEM.gov. And you can get there by  
3 clicking on the state activities page and clicking  
4 on Massachusetts. That environmental assessment was  
5 issued in 2014.

6 And so, after that site assessment plan is  
7 issued and lessees conduct their site assessment  
8 work and complete their survey work, they use that  
9 information and incorporate it into their  
10 construction and operations plan, which is what we  
11 review during our project specific environmental  
12 review, which is currently the stage that we're in  
13 now. And the next question that we have, I will turn  
14 it over to Jen for a couple questions. So, Jen, if  
15 you wouldn't mind turning on your camera and  
16 unmuting your line.

17 JENNIFER BUCATARI: Can you hear me?

18 ISIS FARMER: I can.

19 Okay, so the first question for you is what  
20 is the process at BOEM if this lease is granted to  
21 Vineyard Wind, and they immediately turn around and  
22 sell the project, what is in place to keep the  
23 environmental protection in place?

24 JENNIFER BUCATARI: So any environmental

1 protections or required mitigations that are in  
2 place through the NEPA analysis will be incorporated  
3 as conditions of the construction and operations  
4 plan approval, and these conditions would then be  
5 transferred to any future lessees acquiring the  
6 project, as well as their operators. In addition,  
7 any new entity would have to be deemed technically  
8 legally and financially qualified.

9 ISIS FARMER: Thank you. Did the agency  
10 consider whether the industry is even viable under  
11 alternative F?

12 JENNIFER BUCATARI: The supplemental EIS did  
13 discuss the challenges of alternative F with respect  
14 to offshore wind power generation in several places,  
15 but mostly in chapter 2 of the SEIS. But further  
16 analysis of this is out of the scope of the SEIS.  
17 The SEIS considers alternatives to the proposed  
18 action that are feasible with regards to that  
19 project.

20 ISIS FARMER: Thank you, Jen. Our next  
21 question is about the cumulative scenario. And so,  
22 Ian, would you mind turning on your camera and  
23 unmuting your line.

24 IAN SLAYTON: Hello.

1           ISIS FARMER: Apologies, I want to get on  
2 the right slide here. Okay, Ian, the question  
3 that I have for you is, why did BOEM go as far south  
4 as Seabow off of Virginia.

5           IAN SLAYTON: So the reason why we went so  
6 far south, and actually we went even further south,  
7 we considered the Athen grid lease as well and the  
8 Virginia commercial lease for the level of  
9 development dependent on the state demand nearby,  
10 and also non-offshore wind related activities even  
11 further south than that. And it's because of some  
12 resources having a mobile component. So, for  
13 example, marine mammals or migratory birds, they can  
14 potentially be exposed to overlapping effects from  
15 projects that far south in this scenario.

16           ISIS FARMER: Thank you, Ian, and we have a  
17 couple more questions on commercial fish. So Brian  
18 Hooker, would you mind turning on your camera and  
19 unmuting your line? Thanks, Brian. A question that I  
20 have for you is, can Brian repeat where in the  
21 supplemental environmental impact statement he is  
22 reading the fisheries mitigation summary from? I  
23 wrote down coastal consistency Section D. But  
24 looking at the table of contents, this doesn't make



1 sense. Does the draft environmental impact statement  
2 also go over mitigation, or is it just in the  
3 supplemental EIS?

4 BRIAN HOOKER: Yeah, so actually it's a  
5 couple of different questions there. But in the  
6 DEIS, we did discuss, you know, the financial  
7 compensation programs; however, they were not as  
8 formalized as they are now. I think at the time of  
9 the publication of the DEIS negotiations with Rhode  
10 Island and Massachusetts were ongoing since  
11 publication of the DEIS those two formal programs  
12 have been concluded. For states other than Rhode  
13 Island and Massachusetts, Vineyard Wind does have a  
14 gear loss compensation program that is open to  
15 everyone and has evaluated their -- done their own  
16 evaluation of, you know, financial revenue exposure  
17 and the construction operations plans located in  
18 volume three appendix F of the COP where they've  
19 indicated that they would be setting aside funds for  
20 other states for fishermen that experience any  
21 revenue loss to be able to apply for those funds.  
22 However, those weren't just formalized for  
23 consideration in the SEIS as the programs that were  
24 developed under the coastal zone program of Rhode

1 Island-Massachusetts. I think that answers.

2           ISIS FARMER: The next question, how could  
3 BOEM attribute climate change to the impact of the  
4 project on fisheries without considering the  
5 benefits?

6           BRIAN HOOKER: So while the impact  
7 producing factors in the way the supplemental EIS  
8 was set up, you know, look at all the other impact-  
9 producing factors that were out there and looked at  
10 the incremental contribution of Vineyard Wind on all  
11 those, you know, impact-producing factors. So, it's  
12 very easy to look at the science on climate  
13 change and how climate change is influencing the  
14 distribution of fish and how that distribution of  
15 fish is affecting management and, therefore,  
16 commercial owned or for hire recreational fisheries.  
17 And it was a contribution to that impact rating. And  
18 that's detailed in table 3.11-1 in Appendix B in  
19 both in the baseline description and in the climate  
20 change impact-producing factor row in that same  
21 table. What is more difficult to do is then look at,  
22 you know, what reduction, if any, in climate change  
23 impacts like what I think you referred to as the  
24 ocean acidification and, you know, the sea level

1 temperatures -- the sea surface temperatures, what  
2 the impact of all these projects will have to bring  
3 those down to a status quo or reducing some of that.  
4 That's a little bit more unsettled, and I think we  
5 discussed, you know, some of those uncertainties in  
6 the climate change section of the SEIS. But that's  
7 why it was difficult to convey a benefit that would  
8 then result in a benefit to commercial fisheries if  
9 Vineyard Wind was approved.

10           ISIS FARMER: Thank you, Brian. And let me  
11 know if you feel you've already answered this next  
12 question. The question is, are you considering the  
13 cumulative impact of ocean acidification and climate  
14 impact? For example, ocean warming on fishing  
15 industry, which would be greater than any other  
16 cumulative impact?

17           BRIAN HOOKER: Yeah, I think that was  
18 perhaps -- yeah, I think that last response I think  
19 addressed that.

20           ISIS FARMER: Thanks. And the last question  
21 -- well, the last question I have for you on  
22 commercial fish is, if I understand correctly, only  
23 Rhode Island and Massachusetts commercial fishermen  
24 qualify for mitigation for impact. Why is this state

1 based rather than regional based or project level  
2 based? Has mitigation been offered to the other  
3 impacted stakeholders beyond commercial fishermen?

4 BRIAN HOOKER: Yeah, I think I addressed  
5 that one too. I think I rolled that one into my last  
6 response on mitigation, indicating, you know, that  
7 although there's formal programs for Rhode Island  
8 and Massachusetts, Vineyard Wind has indicated that  
9 there would be funds available for other states or  
10 fishermen from other states to apply for  
11 compensation as well, both for gear loss and for  
12 revenue, and that those programs are just not as  
13 formalized as those through the Coastal Zone  
14 Management Act.

15 ISIS FARMER: Thanks, Brian. And the last  
16 question I have for you is do blue methyl filter out  
17 larvae various in suspension, was this considered in  
18 the supplemental environmental impact statement?

19 BRIAN HOOKER: So, you know, that specific  
20 question is difficult to quantify, we did look at  
21 the differences in prey and predator-prey  
22 relationships as a result of the artificial reef  
23 effect. So we did kind of capture it in that broad  
24 discussion that by having these artificial reefs,

1 you're changing some of the predator-prey dynamics  
2 that might currently exist, but we did not go into,  
3 you know, the specific, you know, if the foundations  
4 are colonized by muscles and muscles, you know,  
5 filter, you know, larvae, you know, what the  
6 percentage of larvae is compared to, you know,  
7 natural mortality, natural predation, and, you know,  
8 what that could eventually do to the recruitment of  
9 whatever species was, you know, filtered out and  
10 predated upon by muscles. So it's captured under  
11 that, the more -- that broader heading.

12           ISIS FARMER: Thank you, Brian. And the  
13 next question that I have is for Arianna. Arianna,  
14 would you turn on your camera and unmute your line.

15           ARIANNA BAKER: Hello, Isis.

16           ISIS FARMER: Hi, Arianna. The question  
17 for you is how many how many potential megawatts are  
18 lost due to the transit lane option? I'm assuming  
19 the questions referring to alternative F. And how  
20 many megawatts are lost by the one by one nautical  
21 mile layout change?

22           ARIANNA BAKER: Yeah, so this is a bit of a  
23 complicated question to answer, but I'll try and do  
24 it as distinctly possible. Essentially due to

1 alternative best, the transit lane alternatives, no  
2 megawatts would be lost specifically within the  
3 Vineyard Wind 1 Project area. The projects would  
4 simply be pushed further south as the Vineyard  
5 Wind's remaining lease area. However, should  
6 alternative F be selected, it is likely that any  
7 neighboring leases, which contain the lane that was  
8 studied in alternative F would also need to continue  
9 this lane both in width and orientation through  
10 their leases, and is very likely that this other  
11 lane culture considered in the cumulative scenario  
12 would often need to be incorporated into those  
13 future leases.

14 So this would result in an elimination of a  
15 portion of available building space throughout the  
16 combined Rhode Island and Massachusetts areas. The  
17 loss in technical capacity would ultimately depend  
18 on the size of each turbine selected for each  
19 subsequent project. But in our SEIS BOEM estimates a  
20 loss in the technical capacity of the Rhode  
21 Island-Massachusetts lease areas of approximately  
22 3300 megawatts. The more information about this can  
23 be found in chapter 2 on page 5, specifically with  
24 regards to the one by one nautical mile layout, it's

1 generally considered a sub-optimal layout for the  
2 industry, which will decrease the potential power  
3 density of the area, but I cannot speak to an exact  
4 number of how much technical capacity is lost from  
5 them operating such a layout.

6           ISIS FARMER: Thank you, Arianna. And that  
7 was our last question. So I'm going to turn it back  
8 over to Christine.

9           CHRISTINE DAVIS: All right, thank you.  
10 Thank you very much. We'll make one last call for  
11 anyone to put anything in the Q & A and get ready to  
12 wrap this up real soon. As you can see on the screen  
13 we've had up for quite some time now there are a  
14 number of ways to provide public comment. We will  
15 have four more meetings on the 30th, July 2nd, then  
16 the 9th. But for tonight, unless we hear anything in  
17 the next little bit, we will have the last chance  
18 for questions during today's meeting. Pause just for  
19 a minute if someone's typing. Again, we'll have a  
20 handful more meetings, and there are numerous ways  
21 to submit comments. So not seeing anything pop into  
22 the Q & A, in a moment, I'll hand it over back to  
23 Jim Bennett for closing remarks from BOEM.

24           But first, I want to personally thank

1 everybody who's been with us this evening. Thank you  
2 for participating in this process. I wish you a  
3 great weekend, stay safe and be well. So with that,  
4 I'll turn it over to Jim.

5 JIM BENNETT: Thank you, Christine.  
6 Appreciate it. And I also want to thank the team  
7 here at BOEM, with you at ERM, you've done a great  
8 job making the best of our situation and allowing  
9 effective communication in this virtual environment.  
10 And, again, thanks to everybody who participated.  
11 Thanks for your patience, and thank you for your  
12 participation.

13 We at BOEM remain committed to working with  
14 all of you to ensure the success of offshore  
15 activities, protecting our oceans and coasts, and  
16 the communities that depend upon them, while still  
17 allowing the United States to remain a global leader  
18 and innovator in energy production.

19 Just one final thought as a reminder, you  
20 just started from Christine, the public comment  
21 period is open until July 27. And there are a number  
22 of ways you can still participate in the process as  
23 you see on the screen. So please do so. And thank  
24 you again and stay well.



1 OPERATOR: This concludes today's  
2 conference. Thank you for your participation. You  
3 may disconnect at this time.

4 - - - - -

5 (The Meeting was concluded at 7:51 p.m.)

6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24

C E R T I F I C A T E

Commonwealth of Massachusetts

County of Norfolk, SS

I, Darcy Lee Schramn, 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 June 26, 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 8th day of July, 2020.

*Darcy Schramn*

Darcy Lee Schramn

My Commission Expires:

April 4, 2025