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COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC UTILITIES
EFSB 22-04/DPU 22-67/22-68

PUBLIC COMMENT HEARING, held via Zoom
video conference, by the Department of Public
Utilities, One South Station, Boston, Massachusetts,
on Tuesday, October 11, 2022, commencing at 6:30
p.m., concerning

MAYFLOWER WIND ENERGY, LLC

SITTING:

Robert Shea, Presiding Officer

EFSB:

Andrew Greene, Director

Joan Foster Evans, General Counsel

Wayne Wang, Assistant Director

-----Reporter: David A. Arsenault, RPR-----

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<p>1 APPEARANCES: 2 Day Pitney, LLP 3 Eric K. Runge, Esq. 4 One Federal Street 5 Boston, Massachusetts 02110 6 617.345.4600 7 ekrunge@daypitney.com 8 for Mayflower Wind Energy, LLC 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24</p>	<p style="text-align: right;">Page 2</p> <p>1 director of the Siting Division. Next, Joan Foster 2 Evans, the general counsel of the Siting Division. 3 And Wayne Wang, the assistant director of the Siting 4 Division. 5 Counsel and company representatives from 6 Mayflower Wind are also participating remotely on 7 this Zoom public comment hearing. Using Zoom the 8 public will have a full opportunity to see and hear 9 everything said during this hearing and to offer 10 comments and to ask questions. 11 For those of you accessing the meeting 12 by phone dial-in, you too can hear everything and 13 have an opportunity to comment or ask questions. 14 The instructions on how to participate were provided 15 in the public comment hearing notice that was 16 published in the newspapers and in the notices sent 17 to addresses near the project. The public comment 18 hearing notice was also posted to the Mayflower Wind 19 website. In addition, all the information contained 20 in the notice, including instructions for 21 participation, is available on the website for the 22 Siting Board under EF SB siting calendar and today's 23 date. Furthermore, the entire petition is available 24 on the Siting Board's website under the same</p>
<p>1 PROCEEDINGS -- 6:30 p.m. 2 MR. SHEA: Let's go on the record, 3 please. 4 Good evening. I would like to welcome 5 everyone to this remote public comment hearing in 6 the Energy Facilities Siting Board docket EF SB 7 22-04/DPU 22-67/22-68. This case involves the 8 petition of Mayflower Wind Energy, LLC, referred to 9 as Mayflower Wind or the company, to construct a 10 project that would connect a proposed offshore wind 11 generation resource to the regional electricity 12 transmission grid at Brayton Point in Somerset, 13 Massachusetts. The company refers to this as the 14 Mayflower Wind South Coast project. I will describe 15 the project in detail in a minute. 16 My name is Robert Shea. I am the 17 presiding officer in this proceeding and I am 18 conducting the remote public comment hearing 19 tonight. 20 As you can see on your Zoom video 21 stream, there are other people on the Siting Board 22 who will be involved in the review of this project. 23 I ask them to raise their hands as I mention their 24 name. First there's Andrew Greene, who is the</p>	<p style="text-align: right;">Page 3</p> <p>1 Mayflower Wind South Coast. Please note that this 2 public comment hearing is being recorded and will be 3 published to YouTube. 4 I will now briefly relate the nature of 5 the filings made by Mayflower Wind related to its 6 proposed project and the legal standards that govern 7 the Siting Board's project review. Next I will 8 allow the company to make the presentation regarding 9 the project. After that presentation, I will open 10 the floor to comments and questions from members of 11 the public who wish to offer oral comments tonight. 12 Please note that we also will review any written 13 comments submitted by the public by email through 14 Tuesday, October 25, 2022. 15 Let me describe the project. The 16 company would construct approximately 2.1 miles of 17 high-voltage direct current electric transmission 18 lines that would be laid in Massachusetts waters. 19 For the company's preferred route, the transmission 20 lines would make landfall on the western side of the 21 Brayton Point peninsula from the Lee River. From 22 the landfall the lines would proceed approximately 23 .6 miles to a new, high-voltage direct current 24 converter station next to an existing National Grid</p> <p style="text-align: right;">Page 4</p> <p style="text-align: right;">Page 5</p>

<p style="text-align: right;">Page 6</p> <p>1 substation also on the Brayton Point peninsula. At 2 the converter station the high-voltage direct 3 current would be converted to high-voltage 4 alternating current. From the converter station a 5 high-voltage alternating current underground 6 transmission line would proceed approximately .2 7 miles to the point of interconnection with the 8 electric transmission grid at National Grid 9 substation also located at the Brayton Point. 10 The company's project includes an 11 alternative offshore route. The alternative 12 offshore route like the preferred route would 13 proceed through Mount Hope Bay but the alternative 14 offshore route would make landfall on the eastern 15 side of the Brayton Point peninsula from the Taunton 16 River. 17 The company proposes a design variation 18 which could be applied to both the preferred and the 19 alternative offshore routes. The noticed variation 20 would involve expanding trenching and underground 21 infrastructure for high-voltage direct current 22 cables. As a result of the expansion, the noticed 23 variation would add infrastructure that would house 24 additional conduits at the landfall and onshore.</p>	<p style="text-align: right;">Page 8</p> <p>1 Mayflower Wind also filed a petition 2 under Massachusetts General Laws Chapter 164, 3 Section 72. Under Section 72 the Siting Board will 4 determine whether the project is necessary, serves 5 the public convenience, and is consistent with the 6 public interest. 7 Finally, Mayflower Wind seeks approval 8 under General Laws Chapter 40A, Section 3, for 9 certain individual zoning exemptions and a 10 comprehensive exemption for the project from the 11 Somerset zoning bylaw. Under chapter 40A, Section 12 3, the Siting Board will determine whether the 13 requested zoning exemptions are required for the 14 project and whether the present or proposed use of 15 the land or structures is reasonably necessary for 16 the public convenience and welfare. 17 There are multiple ways that the public 18 can participate in the Siting Board's review of the 19 project. The first is to provide oral comments at 20 the remote public comment hearing tonight. As I 21 stated before, you may also file written comments. 22 In addition, you may choose to seek participation as 23 an intervenor or limited participant. 24 The deadline for requesting</p>
<p style="text-align: right;">Page 7</p> <p>1 The additional conduits could accommodate the 2 delivery of another 1,200 megawatts in addition to 3 what the project would accommodate. The noticed 4 variation would provide an advantage for the future 5 connection of offshore wind energy. Please see the 6 notice for a full description of the proposed 7 project. 8 The offshore wind farm would be located 9 in federal waters. Therefore, the Siting Board does 10 not have jurisdiction over the wind farm or over 11 that part of the electric transmission lines that 12 would lie in federal waters. 13 Mayflower Wind has filed three 14 petitions, one with the Massachusetts Energy 15 Facilities Siting Board and two with the Department 16 of Public Utilities. The three petitions have been 17 consolidated for review by the Siting Board. The 18 Siting Board petition was filed under Massachusetts 19 General Laws Chapter 164, Section 69J. Under this 20 statute the Siting Board will review the company's 21 filing to determine whether the proposed project 22 would provide a reliable energy supply for the 23 Commonwealth with a minimum impact on the 24 environment at the lowest possible cost.</p>	<p style="text-align: right;">Page 9</p> <p>1 participation as an intervenor or as a limited 2 participant is Tuesday, October 25, 2022. This date 3 is also the deadline to provide written comments as 4 outlined in the notice of the public comment 5 hearing. We would encourage anyone who does seek to 6 participate to review the material published on the 7 Siting Board website which outline the different 8 ways in which you can participate in our 9 proceedings. For example, you may participate as a 10 full intervenor. A full intervenor has the right to 11 ask discovery questions of the company, to present 12 witnesses, to ask questions of witnesses testifying 13 at the hearings, to file briefs and motions, and to 14 appeal the decision of the Siting Board. 15 In the alternative, you may participate 16 as an limited participant. A limited participant 17 may receive filings made in this proceeding and may 18 file briefs with the Siting Board. The information 19 on participation is also in the public hearing 20 notice for this proceeding. 21 If you would like a copy of the notice 22 and intervention rules, please send your contact 23 information to me at my email, Robert dot J, as in 24 James, dot Shea, S h e a, @mass.gov, and I can send</p>

<p style="text-align: right;">Page 10</p> <p>1 the information to you by email. 2 May I have appearances of counsel, 3 please. 4 MR. RUNGE: Yes. My name is Eric Runge. 5 I am with the law firm of Day Pitney LLP, and I'm 6 counsel for Mayflower Wind. 7 MR. SHEA: Thank you, Mr. Runge. 8 Is there any other counsel for Mayflower 9 Wind who wants to enter an appearance now? Hearing 10 none. Thank you. 11 I will note that the company has 12 provided a certification that the notice for this 13 public comment hearing has been provided consistent 14 with the terms required by the Siting Board. 15 Would the company like to begin its 16 presentation regarding the proposed project? After 17 that presentation we will open the floor for 18 comments and questions from the public. 19 MS. FREEMAN: Yes, thank you, Mr. Shea. 20 MR. SHEA: Please go ahead and make the 21 presentation. 22 MS. FREEMAN: Hello, everyone. My name 23 is Kathleen Freeman. I am the state permitting 24 manager for Mayflower Wind. I am joined in the room</p>	<p style="text-align: right;">Page 12</p> <p>1 Boston and one on the South Coast in Fall River. 2 Next slide. I will turn this slide over 3 to our counsel to tell you how this project meets 4 the project need standard. 5 MR. RUNGE: Thank you, Kathleen, and 6 thank you all who are attending tonight. We 7 appreciate it. 8 On project need, just a few things I 9 wanted to say. First of all, the need for the 10 project itself is driven by strong public policy 11 requirements in Massachusetts and other states in 12 New England. By that I mean by legislation, by 13 regulations and executive orders that require 14 reduction in greenhouse gas emissions and require an 15 increase in renewable clean energy supply and 16 particularly from offshore wind, and that require 17 the development of the offshore wind industry 18 itself. So we have had statute after statute that 19 has been passed doing this over the past almost 15 20 years now. 21 And so the most recent one was this 22 summer. It was passed in August of 2022 and signed 23 into law. It is the act driving clean energy and 24 offshore wind. And part of that is to establish the</p>
<p style="text-align: right;">Page 11</p> <p>1 with several Mayflower Wind team members to hear 2 your comments and to assist with answering 3 questions. Our siting permitting counsel, Eric 4 Runge, who just introduced himself, will speak about 5 how this project meets the Siting Board's needs 6 standard, and our community liaison officer Kelsey 7 Perry will tell you about our proactive community 8 outreach and stakeholder engagement. 9 First, I would like to start by thanking 10 the Siting Board for giving us this virtual 11 opportunity to tell the Board and a broader public 12 audience about our project and thank all of the 13 attendees for your time and participation today. 14 Next, go to the next one. 15 Mayflower Wind is a 50/50 joint venture 16 between Shell New Energies and Ocean Winds; Ocean 17 Winds itself a joint venture between EDP Renewables 18 and ENGIE. As such, Mayflower is backed by the 19 combined capability and decades of broad, deep 20 experience leading offshore and onshore energy 21 projects across the globe with a strong focus on 22 North America. Mayflower Wind is a stand-alone 23 company with its own board of directors. Mayflower 24 is based in Massachusetts with an office in downtown</p>	<p style="text-align: right;">Page 13</p> <p>1 procurement of 5600 megawatts of offshore wind for 2 Massachusetts by 2027. Mayflower's project 3 represents just a portion of that, of course. 2400 4 megawatts is the estimated amount of the offshore 5 wind generation facility. And so you can see that 6 these policies drive this need for offshore wind, 7 for reduction in greenhouse gas emissions, and 8 development of the offshore wind industry for the 9 benefit of the Commonwealth and the region. 10 The project is also needed to simply 11 connect the offshore wind generation itself. It is 12 out in federal waters. There's no transmission 13 system out there. So the project before you is a 14 connector transmission project to actually deliver 15 the energy from that offshore wind generation to 16 consumers ultimately, to the regional system on land 17 at Brayton Point in this case. So that is part of 18 the standard: Is the project necessary to connect 19 the generator? Yes, it is. 20 The other part of the standard that the 21 Siting Board uses is, is the generation likely to be 22 available to contribute to the regional energy 23 supply? And the answer to that is yes, it is. 24 There are many indicators of commitment of the</p>

<p style="text-align: right;">Page 14</p> <p>1 company to develop that generation, including power 2 purchase agreements, contracts, for 1200 megawatts 3 already in place. 4 And so the third reason for the need is 5 the need to have this project to deliver the 6 benefits of this project, environmental benefits, 7 economic benefits and energy system reliability and 8 energy security benefits, and it brings all of that. 9 I'll turn it back to you, Kathleen. 10 MS. FREEMAN: Thank you, Eric. 11 Next slide. 12 The project is among the largest 13 contributors towards meeting Commonwealth's net zero 14 goals. The project will eliminate over 2 million 15 metric tons of greenhouse gas emissions annually, 16 equivalent to reducing the greenhouse gas emissions 17 of more than five million miles driven per year. 18 The project will bring new job opportunities and 19 help ratepayers save over \$2 billion over the life 20 of the project, cost savings that help reduce the 21 energy burden of low-income ratepayers. 22 Next slide. 23 Our investment of over 115 million in 24 initiatives is based on commitments made under</p>	<p style="text-align: right;">Page 16</p> <p>1 Mayflower Wind is in the process of 2 permitting the development of a large scale offshore 3 wind energy generation resource, as you heard the 4 hearing officer say. It's capable of generating an 5 estimated 2400 megawatts of renewable energy from 6 federal waters on the outer continental shelf in a 7 single lease area under the jurisdiction of the 8 Federal Bureau of Ocean Energy Management or BOEM. 9 This slide provides a general overview of the lease 10 area. 11 Interconnection points must be robust 12 for these large injections of renewable energy. 13 There are two separate Mayflower Wind projects for 14 state siting and environmental review purposes and 15 they are the two separate connector facilities, not 16 the single wind-generation project undergoing 17 federal review by BOEM. Why you may ask? Mayflower 18 Wind intends to maximize output from the offshore 19 lease area which will result in more than one 20 project delivering power to shore. Each project 21 must be reviewed through the electric grid operator 22 ISO New England's interconnection process. ISO New 23 England has a planning and reliability requirement 24 that in effect limits capacity of a single project</p>
<p style="text-align: right;">Page 15</p> <p>1 Massachusetts offshore wind procurement awards as 2 mentioned by Eric. 40 million toward offshore wind 3 education and training and workforce development; 4 8.5 million towards low-income ratepayer support; 5 8.9 million toward's diversity equity and inclusion 6 initiatives; and 10 million toward's supply chain 7 opportunities. Mayflower Wind will contribute to 8 supply chain growth throughout all project phases 9 and has committed at least 75 percent of all 10 operations and maintenance jobs to be local. 11 Less than two weeks ago Mayflower Wind 12 signed a MOU, a memorandum of understanding, with 13 North America Building Trade Unions and United 14 Brotherhood of Carpenters regarding the offshore and 15 onshore construction work for the South Coast 16 project. This partnership will help the next 17 generation of highly skilled, unionized, offshore 18 wind workers. 19 All of these commitments help 20 Massachusetts meet its environmental and economic 21 development goals and ensure that the opportunities 22 that come from the project flow to the benefit of 23 the local communities. 24 Next slide, thanks.</p>	<p style="text-align: right;">Page 17</p> <p>1 at a single point of interconnection to no more than 2 1200 megawatts. As a result, developing the full 3 potential of the lease area will require multiple 4 sets of transmission interconnection facilities. 5 Mayflower has invested considerable 6 effort and funds in maturing studies, regulatory 7 process and development for points of 8 interconnection in Falmouth and Brayton Point. Both 9 continue to move forward. 10 Next slide. 11 Brayton Point offers significant, 12 multiple positive attributes for interconnection. 13 For starters, existing 345 kV transmission 14 infrastructure will allow for robust interconnection 15 to the regional transmission system; the beneficial 16 clean energy reuse of a former coal-fired station 17 site that historically had negative impacts on 18 nearby environmental-justice populations. Then 19 there's the lack of direct abutters to this 20 privately owned, previously disturbed industrial 21 property. And then Mayflower Wind's mature position 22 in the queue for interconnection enabling the 23 project to move forward in a quicker and more 24 cost-efficient manner.</p>

<p style="text-align: right;">Page 18</p> <p>1 Next slide. 2 This diagram shows Mayflower Wind's 3 project components and what elements will be sited 4 in each jurisdiction, federal and state. The South 5 Coast project includes everything from the wind 6 turbines in federal waters all the way to the point 7 of interconnection with the regional transmission 8 system at Brayton Point. 9 Within Mayflower's federal lease area 10 the turbines will be connected to an offshore 11 converter station that collects the power and 12 converts it from alternating current to high-voltage 13 direct current for long distance transmission to 14 shore. 15 The HVDC cables are called export 16 cables, and we plan to connect the power to the 17 transmission grid via a route up the Sakonnet River 18 underneath approximately two miles of Portsmouth on 19 land and offshore into Mount Hope Bay. The cables 20 will landfall at Brayton Point where Mayflower's 21 onshore electrical converter station will convert 22 the power from high-voltage direct current to 23 high-voltage alternating current for interconnection 24 at the National Grid substation at Brayton Point.</p>	<p style="text-align: right;">Page 20</p> <p>1 interconnection. 2 Next slide. 3 Underground export cables routing will 4 be within existing, previously disturbed, privately 5 owned industrial land within existing access 6 roadways. There will be no infrastructure installed 7 in town roadways; all in private access roads on 8 privately owned land. 9 And Mayflower Wind is proposing to lease 10 and use about ten acres of this larger 300-acre 11 site. The converter station footprint will be 12 approximately 7 to 8 acres. We have been working 13 with the landowner as a tenant to maximize the 14 future redevelopment potential of this private site. 15 Next. 16 This slide shows in more detail the 17 onshore transmission route which will connect the 18 preferred Lee River landfall site to Mayflower 19 Wind's converter station and will be installed 20 within existing access roadways, as mentioned again, 21 all on privately owned land. The photo on this 22 slide shows the foreground of where we propose to 23 construct our converter station. 24 Next slide.</p>
<p style="text-align: right;">Page 19</p> <p>1 The federal agency BOEM reviews the 2 entire project in detail. Mayflower Wind's HVDC 3 export cable system routes through Rhode Island and 4 Massachusetts are reviewed by the Siting Boards of 5 Massachusetts and Rhode Island. 6 Next slide. 7 The offshore export cables are about 90 8 miles in federal waters, 20 miles in Rhode Island 9 State waters, and only two miles in Massachusetts 10 State waters. In Massachusetts there are no cable 11 crossings anticipated. Within the offshore corridor 12 the cables themselves will be quite small with a 13 bundled width of just over 1 foot. Industry best 14 practices that fluidize a narrow strip of seabed 15 within that cable corridor of about 2,000 foot 16 width, lay the cable and allow sediment to fall back 17 in place to bury the cable. 18 The route was chosen after a careful 19 study of many alternatives. 20 Next slide. 21 This slide shows the existing National 22 Grid substation previously used by New England's 23 largest coal-fired station, a portion of which will 24 be repurposed by Mayflower Wind's point of</p>	<p style="text-align: right;">Page 21</p> <p>1 As Mr. Shea, the hearing officer, 2 mentioned, Mayflower is also proposing a design 3 variation to the project intended to minimize 4 impacts to the community and the environment while 5 providing flexibility for future expansion of the 6 electric system to accommodate additional renewable 7 energy generation. The noticed variation depicted 8 here includes the preferred alternative plus the 9 incremental facilities at landfall and onshore to 10 accommodate additional renewable energy generation. 11 Developing in this way is more efficient, avoiding a 12 second construction disruption to the community when 13 a second connector project might be needed in the 14 future. 15 To the extent that Mayflower Wind seeks 16 to use this additional infrastructure for additional 17 HVDC export cables, Mayflower Wind would, of course, 18 return to the Siting Board for approval to do so. 19 You can see in this schematic that there are hollow 20 conduits that could be filled in the future with 21 high-voltage direct current circuits or cables. 22 Next slide. 23 This project shows our schedule. Based 24 on this overall schedule you can see that we are in</p>

<p style="text-align: right;">Page 22</p> <p>1 the middle of the permitting process with offshore 2 construction expected to begin in 2024 once major 3 permits are in hand. The schedule reflects all the 4 construction combined, not just the portion in 5 Massachusetts. For example, the horizontal 6 directional drilling activities are expected to take 7 one to two months. Once construction is done, all 8 cables will be below seabed or underground. 9 Next slide. 10 Mayflower is in the process of 11 permitting the development of a large-scale offshore 12 wind generation resource, as you heard, capable of 13 generating an estimated 2400 megawatts of renewable 14 energy from federal waters on the outer continental 15 shelf in a single lease area under the jurisdiction 16 of BOEM. Mayflower submitted its construction and 17 operation plan to BOEM. The COP covers the full 18 lease area as well the two offshore export cable 19 corridors and the two corresponding onshore project 20 areas, the connector projects. This shows that we 21 will be stepping through a robust environmental and 22 public engagement review process. 23 Across our lease area development we 24 will be looking at about 60 permits with 30</p>	<p style="text-align: right;">Page 24</p> <p>1 Next slide. 2 Mayflower is building the project on a 3 private site and does not foresee significant 4 impacts to the community, such as congestion on 5 local roadways. Despite the low impacts, Mayflower 6 Wind will undertake several impact minimization and 7 mitigation measures. We will work closely and 8 coordinate with the Town of Somerset to establish 9 construction schedule hours and logistics. We will 10 maintain a construction schedule website to alert 11 abutters, residents and other stakeholders of 12 construction locations, dates, activities, traffic- 13 control measures. We will coordinate with the town 14 on traffic management plans as well as the landowner 15 and the tenants on this 300-acre site. 16 I can't stress enough that we are 17 leasing a small portion, ten acres of a larger 18 300-acre site. We will use best-management 19 practices and ongoing environmental monitoring 20 throughout construction to minimize noise, vehicle 21 emissions and other impacts at the site. 22 Next slide. 23 All offshore export cables will come 24 ashore via horizontal directional drilling or HDD.</p>
<p style="text-align: right;">Page 23</p> <p>1 agencies, federal, state and local. BOEM will look 2 at everything from the wind turbine generators to 3 the points of interconnection, and we are expecting 4 BOEM to issue our draft environmental impact 5 statement in the first quarter of 2023. 6 Next slide. 7 This slide with the state and local 8 permitting underscores what I just said about the 9 agency engagement. A lot of what's happening in 10 Massachusetts is happening in parallel in Rhode 11 Island. We filed our Massachusetts EFSB petitions 12 in May as well as filing our Rhode Island EFSB 13 application that same month. We filed our MEPA 14 environmental notification form in August. For 15 Massachusetts we have engaged these agencies 16 informally for the past year or so, and we are 17 planning on filing our joint application for a 18 Chapter 91 license and water quality certification 19 in the second quarter of 2023. 20 All environmental and fisheries issues 21 are being reviewed by state regulators who are 22 closer to the local concerns. And in parallel, 23 these reviews are been undertaken in parallel with 24 the federal review process.</p>	<p style="text-align: right;">Page 25</p> <p>1 Use of high-voltage direct current cables reduces 2 the number and size of HDDs. Essentially it reduces 3 the footprint of the project. As mentioned 4 previously, we are proposing two HVDC power cables 5 and associated communication cabling or fiber 6 optics. The offshore export cables will transition 7 to onshore export cables in transition vaults or 8 joint bays at the landfall site, and then continue 9 underground through buried duct bank or vaults 10 onshore. HDD will maintain the integrity of the 11 existing coastal infrastructure and protect the 12 armoring that exists today with bulkhead and riprap. 13 And the cables will be located deep under the 14 shoreline and protected from exposure by erosion. 15 This slide shows the Lee River HDD entry 16 point at the preferred landfall. As you can see on 17 the photos on the right, there is man-made canal and 18 armored shoreline with riprap and bulkhead on the 19 western landfall side providing protection from 20 erosion due to wave action and storm surges. 21 Next slide. 22 The project is sited, manned and 23 designed to avoid and minimize potential impacts 24 based on robust environmental analysis, including</p>

<p style="text-align: right;">Page 26</p> <p>1 extensive investigations and surveys, best- 2 management practices implemented throughout the 3 project phases to minimize potential impacts, and 4 any adverse impacts that cannot be avoided will be 5 minimized or mitigated. 6 Next slide. 7 This slide just illustrates the numerous 8 field studies and desktop assessment that have been 9 conducted since 2019 to characterize the onshore and 10 offshore project areas. This includes six seasons 11 of benthic sampling throughout the offshore project 12 area, geophysical, geotechnical surveys from 2019 13 to 2021. 14 Next slide. 15 The onshore project area will not be 16 visible for most of the surrounding landscape. 17 Nighttime lighting of the converter station will be 18 limited to only that required for safety and 19 security, such as at vehicle entry points. Low- 20 intensity safety lighting may be affixed to these 21 vehicle entry points and building entry points, and 22 will be motion activated and shielded downward. 23 During operations the converter station 24 will generally be unmanned with personnel onsite</p>	<p style="text-align: right;">Page 28</p> <p>1 translating information material into several 2 languages for nearby environmental-justice 3 populations. Here you can see Portuguese is shown 4 on the right. 5 Next slide. 6 The onshore project area would not be 7 visible from most of the surrounding landscapes. 8 The project's isolated location on Brayton Point 9 peninsula physically separates the onshore project 10 area from other land uses and viewpoints. As you 11 can see from this photo simulation, based on 12 topography, vegetation, distance and development, 13 the onshore project area features would be 14 practically indiscernible to even highly engaged 15 views. This is a photo simulation from Brayton 16 Point Beach in Somerset. 17 Next slide. 18 This is a photo simulation from South 19 Swansea Sycamore Street. Again, it just underscores 20 that the onshore project area features would be 21 practical indiscernible to even highly engaged 22 viewers. 23 Next I will turn this over to our 24 community liaison officer Kelsey Perry to talk about</p>
<p style="text-align: right;">Page 27</p> <p>1 periodically for inspections, maintenance and 2 repairs. No adverse traffic or air emission impacts 3 are anticipated as a result. 4 The converter station will meet MassDEP 5 requirements to be no more than ten decibels greater 6 than quiet ambient noise levels at any inhabited 7 buildings near Brayton Point. 8 As far as electric and magnetic fields, 9 Mayflower's study predicted EMF from the project, 10 levels are well below health-based guidelines from 11 the International Commission on nonionizing 12 radiation for allowable public exposure to magnetic 13 fields. This commission is a nonprofit commission 14 formally recognized by the WHO, the World Health 15 Organization. Mayflower continues to engage 16 stakeholders on this topic through direct outreach 17 and a dedicated web page for the community and we 18 invite you to visit it. 19 Next slide. 20 This slide illustrates the EMF 21 informational materials we have on our website, EMF 22 reports, fact sheets, videos. The website also 23 provides questions and comments and please visit it. 24 As you can see here, our website also has a tool for</p>	<p style="text-align: right;">Page 29</p> <p>1 our proactive community outreach and stakeholder 2 engagement. 3 MS. PERRY: Thanks, everyone, for being 4 here and part of this process with us. 5 So Mayflower has engaged in outreach to 6 the host community with the goal of informing 7 stakeholders about the project and enabling 8 meaningful engagement throughout this process. We 9 have had consistent and transparent communication 10 with town officials in Somerset, Fall River and New 11 Bedford. And have communicated early about all of 12 our geotechnical and geophysical work going on with 13 harbor masters in the area. 14 We have had a series of virtual open- 15 house events. One of them for the South Coast 16 community on January 27th, which was an overview of 17 our economic development investments. We had 18 another open house specifically for the Somerset and 19 Swansea communities on May 4th which we used our 3D 20 virtual tool for that. It is a simulation of the 21 project from the wind turbine all the way to the 22 infrastructure at Brayton Point. The recordings of 23 these open houses are available on our web page. 24 Ahead of that open house we did complete</p>

<p style="text-align: right;">Page 30</p> <p>1 door-to-door outreach in Somerset in the 2 neighborhood directly adjacent from Brayton Point. 3 Just last month in September we sent out a mailer to 4 the Swansea residents who live across the Lee River 5 adjacent from Brayton Point. 6 As you can see on the left-hand corner 7 of this slide, that's a scene shot of the 8 Mayflower's virtual exhibition room which is 9 available on our website. If you go to that link, 10 it links to a poster hall with digestible 11 information about our project. We do have all of 12 our permitting documents on our web page, on our 13 documents web page. We try to use more tools like 14 the virtual exhibition rooms, fact sheets and FAQs 15 which are all available online to help stakeholders 16 digest these lengthy and very intense permitting 17 documents. 18 Next slide, please. 19 We have also been engaging with the 20 fishing industry. We have and will continue to 21 conduct extensive engagement with both commercial 22 and recreational fisheries. We do have a full-time 23 fisheries liaison officer working on the project who 24 attend regular port hours in both New Bedford,</p>	<p style="text-align: right;">Page 32</p> <p>1 This is a cost-free training program for any tribal 2 member who would like to become a PSO. After you 3 receive the cost-free training, RPS will work to get 4 you working offshore working on an offshore wind 5 project. As you can see on the pictures in the 6 bottom of the screen, that's a photo of the training 7 that happened in the Mayflower Wind office in Fall 8 River. That is Josh from the Pocasset tribe out at 9 sea working on the Mayflower's geophysical survey 10 work in the lease area. It is a great opportunity 11 to get involved with offshore wind and it has direct 12 employment benefits. 13 That's it for me. I hand it back to 14 you. 15 MS. FREEMAN: Thank you, Kelsey. That 16 concludes our presentation. We are ready to hear 17 comments. 18 MR. SHEA: Thank you very much. 19 Before we begin, I'm going to outline 20 some guidelines to use in speaking at this hearing. 21 There is a stenographer who is also participating 22 remotely and who will transcribe everything said 23 during this hearing. This public comments hearing 24 is also streaming to the Department of Public</p>
<p style="text-align: right;">Page 31</p> <p>1 Massachusetts and Port Judith, Rhode Island. We 2 have contracts with fishing captains who conduct 3 scouting trips before our offshore surveys take 4 place to make sure to point out any fishing gear 5 that should be avoided. And we also work very 6 closely with our fisheries representatives. We have 7 three of them, including the New Bedford Port 8 Authority and the Massachusetts Lobstermen's 9 Association. Again, we have a lot of resources on 10 our website. We regularly update our mariner's page 11 on our website, and we encourage fishermen and other 12 marine users to check that out and to sign up for 13 updates to stay in the loop on what's going on 14 offshore. 15 Next slide, please. 16 This is our last slide. We also have 17 been actively engaging with the tribes since 2019. 18 We have had early and direct engagement with the 19 tribes as we have considered our best options and 20 long-term opportunities for the tribes. 21 I do want to point out one of our 22 workforce development opportunities. We have a 23 partnership with RPS where we put together a PSO, 24 protected species observer career training program.</p>	<p style="text-align: right;">Page 33</p> <p>1 Utilities' YouTube channel. It is only the 2 transcript produced by the stenographer, however, 3 that is the official record of the hearing. As we 4 are all relying on the internet or telephones to 5 participate, we could experience technical 6 difficulties such as sound from speakers, potential 7 background noise, video and audio issues and 8 potential delays. Therefore, it is imperative to 9 speak slowly and clearly to allow a speaker to 10 finish speaking before you begin speaking and to pay 11 attention to the video of the person speaking and to 12 my video. I will raise my hand as a signal on my 13 video if I need to interrupt the person currently 14 speaking to ask them to stop. We appreciate 15 everyone's cooperation in participating in this 16 hearing. 17 I apologize in advance for any technical 18 difficulties we may encounter through the course of 19 this remote public comments hearing. If you have 20 problems, please raise your hand using the Zoom 21 toolbar or dial Star 9 on your phone if 22 participating by phone. You may call or text 23 857-200-0065 for assistance. 24 In the notice we requested that anyone</p>

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1 with an interest in speaking notify the Siting Board
 2 in advance if possible. This is a great help due to
 3 the mechanics of the remote platform. We will begin
 4 with any federal, state or local officials who wish
 5 to be heard. Then we will proceed with members of
 6 the public who have signed up to speak. And finally
 7 we will allow anyone who wishes to speak but has not
 8 had a chance to let us know in advance. Please give
 9 us your name and address and spell your name for the
 10 stenographer and speak slowly and clearly. Again,
 11 please stop speaking if you see me raise my hand in
 12 the video. If the company response to a comment or
 13 a question asked is appropriate, I will ask the
 14 company's representatives if they would like to
 15 respond.

16 First of all, are there any public
 17 officials who wish to be heard? Please raise your
 18 hand using the Zoom feature and one of our staff
 19 will take the necessary steps to allow your comments
 20 to be heard by everyone and included in the
 21 transcript of the hearing.

22 Are there any public officials who wish
 23 to be heard? I'm going to ask the people who
 24 control this hearing, is there anyone in the waiting

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1 room?

2 MR. GREENE: There is no one who has
 3 raised their hand.

4 MR. SHEA: Not seeing anyone raise their
 5 hand as a public official, why don't we start with
 6 people who signed up with the Siting Board to speak
 7 or even anyone who wants to speak but didn't get a
 8 chance to sign up. I think that no one signed up
 9 with the Siting Board. If there's any member of the
 10 public who would like to speak, please raise your
 11 hand using the raise-hand button on the Zoom or dial
 12 Star 9 on your phone if you are dialing in.

13 MR. GREENE: I see few hands raised.
 14 I'm going to move the first person who raised their
 15 hand. That's Paul Shew.

16 Could you turn on your microphone and
 17 camera. You have joined the panel.

18 MR. SHEW: How do you do?

19 MR. SHEA: I ask you to spell your last
 20 name for the stenographer.

21 MR. SHEW: Sure. S h e w.

22 MR. SHEA: Thank you. Please go ahead
 23 with your comment.

24 MR. SHEW: Thank you first for the

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1 comprehensive presentation. It helps give an
 2 overview, a relatively understandable one to a very,
 3 very complex, arduous process. I'm wondering if
 4 there is a distilled copy or perhaps this copy that
 5 might be available. I work with PEER Consultants,
 6 which is an environmental engineering firm, in full
 7 disclosure. I have an interest in understanding it
 8 from that standpoint.

9 MR. SHEA: What is it that you want a
 10 copy of, Mr. Shew?

11 MR. SHEW: The presentation that you
 12 made was very good. If you have a copy of that or a
 13 reduced synopsis perhaps of the same, it would be
 14 appreciated.

15 MR. SHEA: Does someone from the company
 16 want to respond to Mr. Shew's question?

17 MR. RUNGE: We filed a copy of the
 18 presentation in the docket today. Bob I think read
 19 out the docket number earlier today. If you have
 20 that docket number, then you can just go into the
 21 virtual file room and access the document there.

22 MR. SHEW: Okay.

23 MR. SHEA: First of all, I should have
 24 asked you for your address.

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1 MR. SHEW: Sure. I live in Franklin,
 2 Massachusetts. I will give you my home address,
 3 which is 107 Hillside Road in Franklin,
 4 Massachusetts 02038.

5 MR. SHEA: Thank you.

6 MR. SHEW: Our firm is in Burlington,
 7 Massachusetts.

8 MR. SHEA: Thank you.

9 MR. SHEW: For the next step, is there
 10 anything that you anticipate is going to be of
 11 particular note that might affect the people of
 12 Somerset in that area or is this something that's
 13 going to continue on a relatively invisible path for
 14 a while and most of it is a paper path or
 15 permitting? 60 permits I think I heard you say
 16 along the way; fairly impressive. So is there
 17 anything of note that the population might see or
 18 witness?

19 MR. SHEA: Who would like to respond?

20 MS. FREEMAN: Kelsey, do you want to
 21 take that one?

22 MS. PERRY: Your question is what will
 23 Somerset residents see once the project gets
 24 started?

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1 MR. SHEW: An average resident with an
 2 interest but not an expertise in this field, is
 3 there anything of note?
 4 MS. PERRY: I will just highlight the
 5 project's timeline again. We are in the permitting
 6 development stage, as you mentioned, right now. It
 7 is really all paper. We still have a couple of
 8 years to go to get all of those permits in hand. We
 9 are hoping to start onshore construction in 2024.
 10 During the onshore construction period Somerset
 11 residents would see some construction activity on
 12 Brayton Point. That should only last for a short
 13 period of time. We would start offshore
 14 construction in the lease area and for the subsea
 15 cables in 2025, which would be further away from
 16 Somerset residents and not impact them; and hope to
 17 complete construction in two to three years. Then
 18 be sending clean and green electrons into the grid
 19 around 2028 or by the end of the decade.
 20 MS. FREEMAN: To that I would add,
 21 Kelsey is very modest but we are very transparent.
 22 She has posted on our website copies of all the
 23 permit applications that we have filed for easy
 24 access.

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1 MR. SHEW: Excellent. As I take it,
 2 even with the buildout, this is relatively something
 3 that is not particularly notable based on the
 4 simulated views that you have; is that correct?
 5 MS. PERRY: Once the HVDC converter
 6 station is in operation, you won't be able to hear
 7 it. The only thing you will be able to see, at
 8 least from Brayton Point Beach, is the very slender
 9 lightning rod which is hard for the eye to see. So
 10 once the construction is over, there will not be
 11 much to see or hear.
 12 MR. SHEW: Okay. Thank you. Thanks for
 13 an excellent presentation.
 14 MS. PERRY: Thank you for joining.
 15 MR. SHEA: Do you have my email address
 16 so you can contact me if you have any trouble
 17 accessing any of the documents you talked about?
 18 MR. SHEW: I'm sure I can retrieve it.
 19 I don't have it with me at the moment, but I'm sure
 20 we can find it. Thank you, Mr. Shea.
 21 MR. SHEA: Thank you, Mr. Shew.
 22 Mr. Greene, is anyone else in the
 23 waiting room?
 24 MR. GREENE: Yes. We have Patrick

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1 McDonald who will be joining us.
 2 MR. McDONALD: Sorry I'm in my
 3 sweatshirt tonight because I'm home. I met Kelsey
 4 at the town meetings. I thank her for coming to the
 5 town. I think I have seen Kathleen's presentation.
 6 I'm a resident of Brayton Point. I live
 7 at 30 Admirals Way in Somerset, Massachusetts which
 8 is a beautiful piece of property. We lived here
 9 when the coal power plant was here and we lived here
 10 through all the improvements, my parents did too, of
 11 the cooling towers, of all the environmental
 12 restrictions that were put on by Save the Bay
 13 Narragansett. I'm a member of Save Our Bay Brayton
 14 Point. That was a zero net emissions facility. We
 15 loved the power plant when it was here because it
 16 was regulated to the point where it was not
 17 polluting our neighborhood.
 18 I think there are other people on this
 19 line, including myself, that have survived cancer.
 20 Bladder cancer was one of the popular cancers here
 21 on Brayton Point. I'm surviving atrial fibrillation
 22 which has just been recently diagnosed.
 23 So these are my questions about this
 24 project. Number one, we have heard in prior

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1 meetings that the electromagnetic fields that will
 2 be created from the Mayflower 1 project, the 1200 --
 3 Is it a kilowatt or megawatt facility?
 4 MR. RUNGE: Megawatts.
 5 MR. McDONALD: -- will be no greater
 6 than what was here with the power plant. My problem
 7 as being a resident who is one half-mile away from
 8 Brayton Point is that we are in 2022. We were not
 9 in 1959. Why do I hear an answer that the
 10 electromagnetic fields will be no greater than what
 11 were here? Right now it is zero. Why should the
 12 residents of Brayton Point or Lee River, and our
 13 good friends on the neck that joined us in the fight
 14 that was here before you guys came in, which I am
 15 sure you are all aware of, about the scrap metal
 16 operation and trying to make this a commercial/
 17 industrial port, why should we be subjected to
 18 electromagnetic fields that may harm us?
 19 MS. FREEMAN: That sounds like a
 20 question for our engineering manager Kelly. Kelly,
 21 do you want to take that one?
 22 MS. SMITH: This is Kelly Smith
 23 speaking.
 24 MR. McDONALD: I have seen you before,

<p style="text-align: right;">Page 42</p> <p>1 Kelly. How are you? 2 MS. SMITH: Good. How are you? 3 I hear what you are saying, Patrick, and 4 we do understand that electric and magnetic fields 5 can be a concern to members of the community. I do 6 want to note that they are produced anywhere where 7 there's a flow of electricity. So when you speak 8 about in the past versus now and a change in 9 expected EMF levels, it is important to understand 10 that it is a natural and man-made process that is 11 tied to the flow of electricity. 12 So for Mayflower's cables we have done 13 extensive modeling of our proposed system. As 14 Kathleen spoke about earlier, the results of that 15 show that there's no, the predicted levels are well 16 below health-based guidelines set by the 17 International Commission on Nonionizing Radiation 18 Protection for allowable public exposure to magnetic 19 fields. With respect to electric fields, because 20 our cables are underground, those electric fields 21 will be completely shielded by the cable materials. 22 Another thing to note is that magnetic 23 fields dissipate very rapidly with distance from 24 cables. So over in the community you will be well</p>	<p style="text-align: right;">Page 44</p> <p>1 liter of something bad every day, it will cause a 2 higher risk of cancer. If I walk by your facility 3 every day, am I subject to more cancer risk than 4 somebody who doesn't? 5 MR. REHIER: I can even elaborate a bit 6 on that. We have done, for example, we have also 7 done the modeling on Portsmouth, Rhode Island, which 8 is very similar cables to what we are looking at on 9 Brayton Point. In that case the same studies showed 10 we were well below the health-based guidelines for 11 somebody who -- and this is a typical situation 12 across many communities in the US where these cables 13 are installed in the roadway. Somebody standing 14 directly over the cables in the roadway, so you 15 would be six feet over the cables in that case. 16 On Brayton Point we are looking at 17 distances that are, even the closest approach from 18 the public road is much further than that. So it 19 significantly decreases, as Kelly mentioned, away 20 from it. But even if you were standing right over 21 the cable in a roadway, we will be well below the 22 health-based guidelines as Kelly mentioned. That's 23 what that analysis that is referenced on the website 24 looks at.</p>
<p style="text-align: right;">Page 43</p> <p>1 insulated from those fields which are located and 2 tucked away on private industrial property. 3 MR. McDONALD: Also, when I take a 4 right-hand turn from Oneil Road on to Brayton Point 5 Road, that's where your converter station that you 6 propose will be. Am I going to be subject to 7 electromagnetic fields? How far up Brayton Point 8 Road am I going to be subjected to electromagnetic 9 fields as I take the turn from Oneil Road? I do 10 walk down to the old power plant gate. How much 11 electromagnetic fields am I going to be subject to? 12 To the point where it's a cancer risk or no? 13 MS. SMITH: The detailed analysis of the 14 line that we have done, I would point you to the 15 website for our full study which was completed by 16 experts for the modeling exercise. But again, it 17 dissipates very rapidly with distance from the 18 cables. 19 MR. McDONALD: And how rapidly? Am I 20 still going to be within that zone? I mean, I'm a 21 person who walks that every day. I walked it every 22 day when the scrap metal trucks were coming. I have 23 walked it every day before you guys are coming. I 24 walk it every day. It is just like you drink one</p>	<p style="text-align: right;">Page 45</p> <p>1 I think that specific location we may 2 not have looked at directly in the analysis, but 3 showed what we would consider to be a more 4 conservative and a more stringent case. And have 5 shown how it decreases as you go further away to 6 very, very extremely low levels that far away. 7 I think the direct comment I can say is 8 we are well below from the guidelines that the 9 international commission has set for health-based 10 long-term exposure to EMF, and even decreased 11 further and further away from the cables. 12 MS. SMITH: It is important to remember 13 that there's already is existing transmission 14 infrastructure at Brayton Point. 15 MR. SHEA: Kelly, excuse me. Could you 16 speak slowly. I'm having a hard time understanding 17 you. 18 MS. SMITH: I apologize. Thank you for 19 catching me. This is Kelly Smith speaking. 20 I did just want to add one more point to 21 what Tim said. There already is existing 22 transmission infrastructure at Brayton Point. What 23 our project is in kind with what's already there. 24 So that flow of electricity from that existing</p>

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1 transmission infrastructure is already producing
 2 negligible amounts of electromagnetic fields.
 3 MR. McDONALD: I appreciate your
 4 comments on that. But that connection has long been
 5 tapped off now since 2018. I don't think there's
 6 anything coming through there like it was before
 7 when it was being generated from the plant. And
 8 that's what we don't want to hear, that we are going
 9 back to the power plant days. Because there were
 10 many cancers down here, my parents included that
 11 live down here. People died of bladder cancer down
 12 here. I think there's a caller here whose father
 13 died from bladder cancer down here. I have bladder
 14 cancer down here. We just don't want any more
 15 cancers down here. I know that we want green
 16 energy. I know I'm in favor of green energy versus
 17 greenhouse emission.
 18 You have to remember that when Mayflower
 19 came in with Vineyard Wind, you guys had Brayton
 20 Point on the table and you totally took Brayton
 21 Point off the table and went to Falmouth and didn't
 22 even address Brayton Point. I feel like we are a
 23 secondary site. First you didn't even want to be
 24 here but now you do want to be here.

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1 I've got some more questions. I'm going
 2 to move off of the electromagnetic fields.
 3 MR. SHEA: Mr. McDonald, thank you for
 4 your questions. What I would say though is this is
 5 not a forum for extensive cross-examination. If you
 6 would like to intervene, you can go into as much
 7 detail as you would like. It is really a forum for
 8 comments.
 9 MR. McDONALD: I know what you're
 10 saying, Mr. Shea, and we'll probably responding to
 11 that on October 25th. But we are a group of just
 12 like -- you guys are coming in with Mayflower Wind
 13 and you are the energy Siting Board. We are
 14 citizens trying to come up to speed. We have been
 15 working as hard as we can to come up to speed. If
 16 you could give me a little deference, I will not be
 17 hugely long. But this is important to our
 18 neighborhood. It is important to the people who
 19 have been fighting down here for three and a half
 20 years for clean air and clean water. We have put up
 21 with 50 years of a power plant polluting. We want
 22 to be in history recorded as trying to make sure
 23 that the efforts that were not followed back in
 24 1959 -- you have to understand that this was farm

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1 for hundreds of years before it was a power plant.
 2 And now it has been taken down. Now it is looking
 3 to be repurposed. We just have a few more
 4 questions.
 5 MR. SHEA: Go ahead, sir.
 6 MR. McDONALD: As far as your noise
 7 level, we never agreed with the ten decibels above
 8 ambient, because that is just impossible to capture
 9 by the DEP. So our town came up with a noise bylaw.
 10 That was generated by, basically by the residents of
 11 Somerset when we had the problems before you guys
 12 came in here with the owners of the property.
 13 The residential decibels for residential
 14 area as defined on a property line -- and we have
 15 property lines that are direct abutters with Brayton
 16 Point -- was from 7:00 to 10:00 p.m. the maximum
 17 decibel level that's allowed in a residential area
 18 is 65 decibels. Then the maximum allowed decibels
 19 from a property line in a residential area from
 20 10:00 to 7:00 a.m. are 55 decibels.
 21 Is this Board looking to try to say that
 22 they are exempt from those decibel levels, because
 23 those decibel levels were very noisy in our
 24 neighborhood?

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1 MR. SHEA: Does anybody from the company
 2 want to respond?
 3 MS. FREEMAN: Thank you, Mr. Shea, and
 4 thank you, Mr. McDonald. Again, I'm going to ask
 5 Kelly Smith our engineering manager to respond,
 6 because I know she's been involved with the noise
 7 studies we have been doing. Kelly?
 8 MS. SMITH: Thank you. I appreciate
 9 your comment. We are aware of the local
 10 restrictions. Excuse me.
 11 MR. MOTT: I'm going to let Kelly off
 12 for a moment and clear her throat. Good evening,
 13 Mr. McDonald. My name is Lawrence Mott. I'm going
 14 to speak for a moment. I work as a transmission
 15 development manager for Mayflower. I want to just
 16 quickly go back if I may, Mr. Shea, on your previous
 17 line and then we can come back to the sound point.
 18 I would note per your question on the
 19 lines, the electric lines going in and out of the
 20 NGRID and Brayton Point substation, those remain
 21 what we call online or energized, is the technical
 22 term. So that energy as we sit here tonight is
 23 flowing there and the wires flow right from the
 24 substation actually into the transformers right

<p style="text-align: right;">Page 50</p> <p>1 adjacent to the old power building. So that is 2 still active right now. And we assume NGRID, 3 because that's a significant interconnection point 4 as part of the our electric grid, will remain in 5 that fashion separate from the Mayflower project. 6 To the sound question, I'll just begin 7 and my colleagues can jump in. Kathleen, you might 8 help me because you can quote specifically the 9 regulation. I don't think as stated by Mr. McDonald 10 that that is the correct term on what we have to 11 meet for Somerset. 12 MS. FREEMAN: It is 6, I think the delta 13 is 6 decibels as opposed to the Massachusetts DEP 10 14 decibels above quiet ambient levels. 15 MR. McDONALD: No. We passed a zoning 16 bylaw. We were having problems with the current 17 owners of the property. So we deviated from the 18 original noise bylaw and went to a straight, so that 19 we can measure it, decibel level. We have ten 20 monitors -- those were dust. We have like six 21 monitors for noise so that we could go out and 22 measure. If you are over 65 decibels between this 23 time you are in violation. If you are over 55 24 decibels in this time you are over. We bypassed and</p>	<p style="text-align: right;">Page 52</p> <p>1 there in the NGRID facility, meaning the NGRID 2 substation, and our facility will be similar 3 electric components that don't vibrate at any 4 frequency that would be felt outside of the fence 5 line of the property because these are high- 6 frequency items so there's no vibration. 7 MR. McDONALD: I have two more comments. 8 Everybody understands that not only Mayflower Wind 9 is at Brayton Point. I know the exact area where 10 you guys want to go. There's also going to be 11 Prysmian Cable that wants to develop 47 or 50 acres 12 of Brayton Point. They want 670 -- 627 vehicle 13 trips per day. And Carver Industries, who has I 14 think still has some type of agreement with Brayton 15 Point, is still advertising this as a commercial/ 16 industrial port with 147 acres of industrial laydown 17 areas. 18 The environmental impacts of all of 19 those combined I think are an overload on the 20 Brayton Point property. There was one business down 21 here; that was a power plant. It took up the entire 22 area. It produced I think 1600 megawatts of power 23 or 14 -- somebody can answer before me -- of power. 24 It had about tops 35 to 50 people. Now we are</p>
<p style="text-align: right;">Page 51</p> <p>1 went to a more stringent standard. 2 Believe me, I've attended every town 3 meeting, every zoning board meeting, every 4 conservation meeting, everything involving Brayton 5 Point because I live here. I have the bylaw up on 6 my screen right now. This is a bylaw that was put 7 into effect on May 17, 2021. 8 MS. FREEMAN: We are going to have to 9 get back to you on that. Thank you, Mr. McDonald. 10 We will definitely look into that. Did you say 11 May 2021? 12 MR. McDONALD: May 17, 2021. You can 13 get there from the town website. 14 My last comment -- not last but close. 15 I don't want to take up everybody's time. 16 Vibrations. Will there be any 17 vibrations from this transformer station? 18 MS. FREEMAN: Lawrence, do you want to 19 take this one? 20 MR. MOTT: Lawrence Mott speaking again. 21 The question is about vibration. During operations, 22 no. You will have vibration of trucks as you come 23 in during the short construction period. But during 24 operations it will be the same as what it really is</p>	<p style="text-align: right;">Page 53</p> <p>1 talking about Mayflower Wind, its operation, 2 Prysmian Wire Group, its operation. 3 And I think that security -- I don't 4 think there -- I think that Mayflower should have 5 some type of security plan given what's going on 6 down there. We see how important energy is 7 worldwide and what's happening with countries 8 conflicting over energy. What type of security plan 9 and how far do you want businesses away from your 10 converter station? I would say there should be a 11 large buffer zone with security. We are concerned 12 with what's going to happen down here if this 13 becomes a target. 14 MR. SHEA: Would someone in the company 15 like to respond? 16 MS. FREEMAN: Thank you for that, 17 Mr. McDonald. As I mentioned earlier, we are going 18 to have safety perimeter fencing around the 19 converter station and restricted access. Obviously 20 to protect our assets and protect the converter 21 station we will have protective measures in place. 22 And as I mentioned earlier, we plan to 23 coordinate with the landowner and the other tenants 24 to ensure minimizing of any cumulative impacts. Our</p>

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1 operation is going to be an unmanned substation. So
 2 once we build the converter station there will be
 3 minimal or negligible impacts at all continuing
 4 going forward. But thank you for that comment.
 5 MR. McDONALD: I think that's a concern
 6 of the residents. My last one is what is Mayflower
 7 Wind going to contribute to the infrastructure of
 8 Somerset?
 9 MS. FREEMAN: Thank you. I'm going to
 10 ask Kelsey to respond to that.
 11 MS. PERRY: Sure. Just to answer on
 12 infrastructure specifically, all we will have in
 13 Somerset is the HVDC converter station. It is just
 14 one building. But I think the question of benefit
 15 is an important one.
 16 Of course, as we mentioned with offshore
 17 wind projects like this, there is lots of
 18 opportunities, employment opportunities, climate and
 19 environmental opportunities. But for the Town
 20 of Somerset specifically, we are a long-term
 21 business partner and we will be engaging in our
 22 responsibilities regarding tax liabilities for
 23 having the infrastructure on Brayton Point. We are
 24 committed to working with the town to construct some

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1 type of fair compensation agreement once we get
 2 there.
 3 MR. McDONALD: Why do I read in other
 4 articles that Barnstable is going to get \$16 million
 5 in industrial taxes, and then I hear that the Town
 6 of Portsmouth who is not hosting the end connection
 7 is going to get \$28 million? Why hasn't Somerset
 8 been offered something like that? I know it is
 9 landing on a private piece of property. But to get
 10 there you are coming through waters that are owned
 11 by the Commonwealth of Massachusetts and are within
 12 the jurisdiction of the Town of Somerset. Why isn't
 13 the Town of Somerset being allowed some type of
 14 monetary stipend to host Mayflower Wind here?
 15 MS. PERRY: I just want to clarify that
 16 Mayflower has not come to an agreement with Falmouth
 17 or Portsmouth regarding an agreement or monetary
 18 value quite yet. Other developers have but not
 19 Mayflower. But we have been engaging in those types
 20 of conversations.
 21 Just to reiterate, we are committed to
 22 speaking to town officials on this topic and to come
 23 to an agreement for a fair compensation agreement.
 24 So I don't have the exact value or what that will

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1 look like today, but I can assure you that that
 2 conversation will progress as the project does.
 3 MR. McDONALD: So should the town of
 4 Somerset intervene to have those negotiations go
 5 forward? I see that Portsmouth, Middletown and
 6 Little Compton just entered into a cooperation
 7 agreement. They are looking at it and they are
 8 wanting to make sure they are compensated.
 9 I know, Ms. Freeman, that is a town
 10 decision. I'm very involved in this town. I'm
 11 speaking as a resident, but I'm making sure that our
 12 town gets the same benefits that every other town
 13 gets. The end-run is right here. You also -- this
 14 is my last comment.
 15 I've heard that the second set of lines
 16 that you want to have empty are going to land at
 17 Brayton Point. But then the plan proposal is to
 18 drill those underneath the Town of Somerset and go
 19 to Montauk because ISO New England wants two
 20 separate 1200-megawatt facilities. So the Town
 21 of Somerset, you are asking us to say approve 1200
 22 megawatts. We will be blank on 1200, and then you
 23 will come back and pose more impacts on the Town
 24 of Somerset, environmentally to the Town

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1 of Somerset. I think that our town -- and I'll
 2 speak to our leaders -- are made sure that this town
 3 has the same compensation and the same
 4 considerations that everybody else is asking for a
 5 project this size.
 6 MR. SHEA: Thank you, Mr. McDonald.
 7 MR. McDONALD: Thank you very much,
 8 Mr. Shea, for letting me speak so long.
 9 MR. SHEA: Okay. Our pleasure. Thank
 10 you for your comments.
 11 Mr. Greene, is there anyone else who
 12 wants to make comments?
 13 MR. GREENE: Duncan Pedersen.
 14 MR. SHEA: Mr. Pedersen, spell your last
 15 name and give us your address.
 16 MR. PEDERSEN: Sure. The last name is P
 17 e d e r s e n from 21 Bradford Street in Boston,
 18 Massachusetts.
 19 MR. SHEA: Thank you. Please feel free
 20 to give your comment now.
 21 MR. PEDERSEN: First of all, thanks for
 22 having me. First time. If I say anything silly,
 23 please feel free to kick me off or just direct me to
 24 the resources to answer my question.

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1 I'm a new Boston resident. I've become
 2 for the last couple of years an alternative energy
 3 advocate. I definitely support the energy
 4 transition. I think it is obviously a massively
 5 technologically complex issue, politically complex
 6 issue, multifaceted. I'm happy that companies like
 7 you and individuals like you are participating.
 8 My two questions, though, are around
 9 financials and reliability. Maybe you can just
 10 point me to a link to answer these questions. But
 11 in terms of reliability, you mentioned the fact that
 12 these green electrons are coming on to the grid.
 13 Obviously there's intermittency issues. And we need
 14 dispatchable power, as I understand it, to sort of
 15 be on standby, whether that's a combined-cycle gas
 16 plant that's got the turbines going half speed and
 17 is ready to turn on when the wind stops blowing.
 18 I'll add the two questions together. They should be
 19 quick.
 20 My first question would be, what dirty
 21 electrons are we displacing with these new offshore
 22 wind electrons? And when the wind stops blowing,
 23 what does our replacement power plant look like? I
 24 know it is ISO New England that needs to handle that

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1 reliability to an extent, but I just want to get
 2 your thoughts.
 3 The second question would be, who is
 4 paying for this? I understand there's state
 5 financing and federal financing and whatnot.
 6 Obviously it changes every five or six months. Of
 7 course there's got to be -- I understand that maybe
 8 the wind turbines are not necessarily the subject of
 9 this project, but there's overbuilding requirements,
 10 there's additional transmission requirements as we
 11 need to pull in that power, that replacement power
 12 from another power plant. Maybe that gas plant
 13 that's replacing the wind electrons is located a
 14 state away and we need to build out some
 15 transmission lines to get that backup power to us.
 16 So there's obviously additional system
 17 costs. I know that one of the mandates and points
 18 that we discussed at the beginning of this meeting
 19 is that this is going to be good for the ratepayer.
 20 I will ask you, who has done the study
 21 that will tell me how much this is going to cost? I
 22 don't mean any of those questions to sound flippant
 23 or anything like that. I'm curious about
 24 reliability and financials and I would like to get a

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1 response. Thanks.
 2 MR. SHEA: Ms. Freedom, please answer.
 3 MS. FREEMAN: Thank you, Mr. Pedersen.
 4 I'm going to punt this one to our counsel who has
 5 carefully helped us with our petition and reviewed
 6 the PPAs and the retirement of fossil fuel burning
 7 facilities and why this benefits ratepayers in the
 8 wintertime for reliability. You want to take a
 9 crack at it?
 10 MR. RUNGE: Happy to. You have a lot
 11 going on there, Duncan. The first question is what
 12 is it replacing? Obviously you have a fleet of
 13 generation throughout New England, some of which is
 14 older, some of which is coal-fired, oil-fired.
 15 Coal-fired is already retired. Oil-fired is there
 16 somewhat item but also will retire. We also have
 17 nukes that have retired recently. All of those need
 18 to get replaced. So large facilities like this
 19 offshore wind generation will replace those.
 20 You are correct that you will need
 21 dispatchable generation of some sort certainly
 22 farther into the future, and that will potentially
 23 be new gas-fired generation or something else that
 24 we don't even know about in terms of the technology

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1 of that generation. And that will still be around.
 2 What you do need is something that will have a high
 3 capacity factor, especially in the winter months
 4 that can provide energy security.
 5 Offshore wind is known for that.
 6 Offshore wind has a very high capacity factor
 7 relative to other intermittent resources. It's
 8 available when perhaps some others are not
 9 especially when it might be needed as we become a
 10 winter peaking system especially later into the
 11 future. So that's the answer to the first part of
 12 your question.
 13 The second part had to do with
 14 financing. Right now these projects are largely
 15 financed through long-term power purchase
 16 agreements. These are entered into with the
 17 electric distribution companies. I mentioned
 18 earlier in our presentation the need for the
 19 project. I particularly pointed to legislation that
 20 is out there, and part of that legislation is
 21 legislation that requires procurements of large
 22 amounts of offshore wind energy. So those contracts
 23 are being formed pursuant to that legislation.
 24 Those contracts themselves then get

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1 reviewed by the Department of Public Utilities for
 2 various factors and standards that they have to
 3 meet, including benefits to ratepayers. So there is
 4 a cost analysis that is done and the approval comes
 5 only after that analysis is done.
 6 MS. FREEMAN: Can I just add? The \$2
 7 billion in savings came from the Department of
 8 Energy Resources. They had run the model. I
 9 believe that Lawrence from our team would like to
 10 add to this.
 11 MR. MOTT: These are excellent
 12 questions. These are not silly. Take your pencil
 13 there. Brattle Group, B r a t t l e, Brattle Group,
 14 they did several studies that looked at savings to
 15 the ratepayers and how in the long-term, two of the
 16 points you brought up, the renewable generation and
 17 transmission upgrades, are beneficial to the
 18 ratepayers. Do take a look at those.
 19 The next one to further what Mr. Runge
 20 focused on, which is a few numbers for you to think
 21 about to maybe help round this out. Typical solar
 22 panels in a residential application may be 15 to 20
 23 percent capacity factor. And capacity factor when
 24 we use that term is a hundred percent capacity

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1 factor would be running 24 hours a day, 365 days a
 2 year. As I referenced, solar may be 15 or 20. A
 3 large solar array may be 20 to 22 in a Massachusetts
 4 type setting. When you go on to onshore wind let's
 5 say 35. When you go to offshore wind you get 55.
 6 You get natural gas at 65 to 75 depending on the
 7 type of plant. Nuclear is somewhere similar, in
 8 that 75, 80 region with the refueling process.
 9 Those are some of the real comparison numbers.
 10 The next one is the efforts on a grid
 11 operation allow for the ability to bring the lowest
 12 cost resource in. And so you are not requiring a
 13 plant, as you mentioned, to be sitting at idle.
 14 That's quite rare now with the mix of generation
 15 that we have. So that you are not burning fuel
 16 needlessly in case a wind plant comes off. I would
 17 also mention that wind, especially as compared to
 18 solar, has a very predictable on and off ramp so the
 19 operators can predict when it is coming. So this
 20 really is a future of what I call a very practical
 21 generation.
 22 I also note you used the word
 23 alternative. I would like to say this is mainstream
 24 and it is renewable energy. Thank you.

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1 MR. PEDERSEN: Thank you all. Very
 2 helpful.
 3 MR. SHEA: Thank you, Mr. Pedersen.
 4 MR. GREENE: If there are any others who
 5 would like to comment, please raise your hand.
 6 Holly McNamara.
 7 MR. SHEA: Ms. McNamara, spell your last
 8 name and give us your address.
 9 MS. McNAMARA: M c N a m a r a.
 10 MR. SHEA: Your address?
 11 MS. McNAMARA: I live in Somerset. I
 12 prefer not to give my address due to an assault case
 13 that was just tied up in court.
 14 MR. SHEA: Oh, okay.
 15 MS. McNAMARA: I was a selectman in
 16 Somerset. I resigned a little over a year ago. I
 17 want to be sure that especially Mayflower -- I have
 18 met Kelsey. I had great conversations with her. I
 19 just want you to know that the silent majority in
 20 town supports Mayflower and really is grateful that
 21 you have chosen us and you are investing here and
 22 the fact that we can be at the forefront of
 23 something that's so progressive for the entire
 24 country, it is just unbelievable. So thank you and

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1 thank you for everyone's hard work.
 2 If anyone has -- I'm still available
 3 even though I'm not a selectman anymore. But I'm
 4 happy to help if anyone needs help in navigating the
 5 waters here. It can be pretty difficult. I just
 6 wanted to let everybody know that I'm sure you have
 7 the same handful of people, a lot of NIMBYs that
 8 come to your meetings. The silent majority does not
 9 attend. I apologize I have not been able to go to
 10 any of these meetings or hearings and forums. I did
 11 want to come on today and at least reassure you that
 12 the majority in the town really supports and trusts
 13 you.
 14 MS. FREEMAN: Thank you, Ms. McNamara,
 15 for your comments.
 16 MR. SHEA: Thank you.
 17 MS. McNAMARA: Nice to see you. Kelsey
 18 has my info if anyone needs it.
 19 MR. SHEA: Thank you very much.
 20 MS. FREEMAN: Thank you.
 21 MR. GREENE: Again, if there's anyone
 22 who would like to comment, please raise your hand.
 23 Mr. Shea, I think we have heard all of
 24 those who wish to speak.

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1 MR. SHEA: Thank you, Mr. Greene.
 2 Before we conclude the public comment
 3 hearing this evening, I would like to remind
 4 everyone of the opportunity to participate in the
 5 Siting Board's review of the project if you so
 6 desire. We would encourage anyone who does seek to
 7 participate to review the information on different
 8 types of participation that is listed in the public
 9 comment hearing notice for this proceeding and on
 10 the Siting Board website. If you would like a copy
 11 of the notice intervention rules, please send your
 12 contact information to my email at Robert dot J dot
 13 Shea S h e a @mass.gov. I can send the information
 14 to you by email.
 15 Any written comments that you may wish
 16 to file or any petitions to participate further in
 17 the evidentiary hearings should also be sent to me
 18 to my email address at Robert dot J dot Shea S h e a
 19 @mass.gov. Comments are due by 5:00 p.m. on
 20 Tuesday, October 25, 2022, and petitions to
 21 participate as an intervenor or a limited
 22 participant are also due by 5:00 p.m. on Tuesday,
 23 October 25th, 2022.
 24 In addition, any petitions or comments

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1 must also be sent by email or email attachment to
 2 the counsel for Mayflower Wind Eric K. Runge,
 3 Esquire of the firm Day Pitney, LLP. Mr. Runge's
 4 email address is E K Runge R u n g e @daypitney D a
 5 y P i t n e y dot com. That's E k R u n g e @ D a y
 6 P i t n e y dot com. If you want a clarification of
 7 anything that I have said during this hearing,
 8 please email me at Robert.J.Shea S h e a @mass.gov.
 9 If you want to write please write before Tuesday,
 10 October 25th, 2022 which is the deadline for receipt
 11 of public comment in this docket.
 12 Thank you all for your participation in
 13 this hearing tonight. Now I would like to go off
 14 the record.
 15 (8:00 p.m.)
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C E R T I F I C A T E

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 3
 4 I, David A. Arsenault, Registered
 5 Professional Reporter, and Certified Reporter in the
 6 Commonwealth of Massachusetts, #100693, do hereby
 7 certify that the foregoing record is a true and
 8 accurate transcript of my stenographic notes taken
 9 on October 11, 2022 in the above-captioned matter.
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 17 _____
 18 David A. Arsenault, RPR
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