

1 U.S. DEPARTMENT OF THE INTERIOR  
2 BUREAU OF OCEAN ENERGY MANAGEMENT

3  
4

5 In Re: )  
6 Programmatic Environmental )  
Impact Statement )  
7 Proposed Geological and )  
Geophysical Activities in the )  
8 Mid- and South Atlantic OCS )  
Planning Areas )

9  
10

11  
12

TRANSCRIPT OF PUBLIC HEARING

13  
14

EVENING SESSION

15  
16

Sheraton Suites  
422 Delaware Avenue  
Wilmington, Delaware  
Thursday, April 26, 2012  
7:05 p.m.

17  
18

19 HELD BY: JAMES BENNETT - Division of  
Environmental Assessment Chief

20  
21

APPEARANCES:

22 JILL LEWANDOWSKI  
MEGAN BUTTERWORTH  
23 KIM OLSEN  
ROBIN SCHURICHT  
24 CAREN MADSEN

25

1 MR. BENNETT: Okay. I guess we can  
2 get going. I appreciate you being here. I'd  
3 like to welcome you to this public hearing on the  
4 draft programmatic environmental impact statement  
5 for geological and geophysical activities in the  
6 Mid- and South Atlantic.

7 My name is Jim Bennett. I'm the  
8 Chief of the Division of Environmental Assessment  
9 for the Bureau of Ocean Energy Management.

10 Safety first. You know where the  
11 exits are. Stairs are over by the elevator, and  
12 the restrooms are to the left of our registration  
13 desk.

14 We are the Bureau of Ocean Energy  
15 Management. We are a bureau within the United  
16 States Department of the Interior, and we are  
17 responsible for the development and environmental  
18 protection of national resources of the Outer  
19 Continental Shelf.

20 We are here to take your comments.  
21 As I understand it, no one has actually signed up  
22 to comment at this point, but there will be  
23 opportunity to comment. But at the same time,  
24 we're going to provide you a little information,  
25 and we have a number of people here that are

1 available to discuss any issues with you outside  
2 of the formal receipt of comments.

3 That includes Jill Lewandowski from  
4 our office in Washington, in Herndon. She's a  
5 marine biologist; Megan Butterworth, who is a  
6 marine biologist in our headquarters office.  
7 Caren Madsen is also here from our Office of  
8 Public Affairs.

9 And we have a couple of people from  
10 CSA International who do a lot of consulting work  
11 for us on the Outer Continental Shelf activities,  
12 including Kim Olsen, who is the deputy project  
13 manager, and Robin Schuricht, who's outside at  
14 the desk.

15 With that, I'm going to turn it over  
16 to Jill to give you a little background on what  
17 the project is, and then we'll get to the  
18 comments. Thank you.

19 MS. LEWANDOWSKI: Okay. I think  
20 since we have a nice small group, if there are  
21 any questions as I'm going through this, anything  
22 you want further clarification on, you know, just  
23 feel free to stop and ask your questions.

24 MR. BENNETT REPORTER: And identify  
25 yourself for the record when you do so.

1 MS. LEWANDOWSKI: Oh, yes. And  
2 please identify yourself for the record. Okay.  
3 We're here tonight to talk about an environmental  
4 impact statement that we're developing under the  
5 National Environmental Policy Act, and it's  
6 dealing with the geological and geophysical  
7 activities in the Mid-Atlantic and the South  
8 Atlantic planning area. We'll see a map in a  
9 moment where I'll show you exactly what area  
10 we're talking about.

11 This is something that is, you know,  
12 a separate process from any sort of five-year  
13 planning that we do for oil and gas development,  
14 or planning that we're doing for renewable  
15 energy, or sand and gravel. This has resulted  
16 because we had essentially 11 applications from  
17 oil and gas industry asking to do seismic surveys  
18 off the Atlantic.

19 We also have a renewable industry  
20 that uses seismic surveys to characterize sites,  
21 to make sure that the sites they're interested  
22 in, they're not going to put a pile like in a gas  
23 pocket, or something that could be potentially  
24 dangerous.

25 And also for sand and gravel, for

1 collection of sand resources offshore that are  
2 used for beach renourishment projects, they also  
3 use a number of the geological and geophysical  
4 techniques.

5 So, what we wanted to do is take a  
6 programmatic approach to this and look at all of  
7 those together, and determine what impacts may or  
8 may not happen, what kind of, you know,  
9 mitigations we might or might consider imposing.  
10 And that's the purpose of this particular  
11 document, and it's just focused on these surveys.

12 Now, as you can see from the  
13 schedule here, we're about at the end of our  
14 public hearings. What happens with the NEPA  
15 process is you will issue your draft EIS, which  
16 we did at the end of March. And then you will  
17 solicit comments from anybody who's interested.  
18 They can either be written comments or we hold  
19 these public meetings where you can actually come  
20 and put a statement in for the record, or just  
21 come and learn a little bit more information  
22 about the project.

23 The close of the comment period for  
24 this project, and I'll remind you again about  
25 that later on, is May 30th. So at that point,

1 after May 30th is when we'll close all the  
2 comments coming in, and we'll start going through  
3 all them, reading every single one of them,  
4 reading all the transcripts from the public  
5 meetings, and looking for that information that  
6 we might have missed, other things we have to  
7 consider, and so forth. Other information we  
8 might have to look up.

9 So, as I said, we've distributed for  
10 the 60-day comment period. You know, today is  
11 the public meeting point where we're looking for  
12 soliciting any comments that you may want to  
13 offer. And again, as Jim said, if you have  
14 questions and you just want to come and ask us  
15 some questions off the record, that is also fine.

16 Now, I mentioned that we're looking  
17 just at the Mid- and South Atlantic area. What  
18 we're trying to do, when you look at a NEPA  
19 analysis, is you take a proposed action, and in  
20 this case, it's all of those G & G -- the seismic  
21 surveys and the other geological and geophysical  
22 activities that have been requested for approval  
23 from us, whether it's, again, oil and gas, sand  
24 and gravel, or renewables. And that's our  
25 proposed action.

1           So then what we do is we take all  
2    sorts of subject matter experts, biologists,  
3    physical oceanographers, archaeologists,  
4    meteorologists, to look at air quality, folks to  
5    look at effects to socioeconomic resources,  
6    fishing, all of that. And we look at the  
7    proposed action, and all of those folks with all  
8    those expertise try to determine what the effects  
9    could be on all those resource areas.

10           And what we'll also do then is we'll  
11   look at the different alternatives we came up  
12   with, which have different mitigations associated  
13   with them, in determining which alternative is  
14   perhaps more protective for that resource, or not  
15   as protective.

16           And all that information is put into  
17   the draft EIS for comment and review, and then  
18   things are, you know, finalized and edited based  
19   on the public comments that we get, any new  
20   information, we have to.

21           This is sort of a graph to give you  
22   an idea of the areas where there has been  
23   interest expressed, particularly for what we  
24   would call the deep seismic, the larger-scale  
25   surveys that are done mostly to look for

1 hydrocarbon resources, oil and gas resources.

2 And this is sort of a density map.

3 So, the darker areas are indicating where there's  
4 greater interest, where we've had multiple  
5 operators interested in doing surveys, and the  
6 lighter gray would indicate, you know, less  
7 intensive interest in the surveys.

8 Now, this doesn't take into account  
9 that we have mitigations that would -- this  
10 doesn't take into account that we are not really  
11 considering an alternative that would necessarily  
12 let all of this happen at once, at the same time.  
13 So our mitigations are meant to, you know,  
14 through various methods, sort of, you know, avoid  
15 that sort of scenario. So, you're just looking  
16 at where the interest has been.

17 Now, what we're looking at, how we  
18 consider, at BOEM, how we consider the Atlantic,  
19 we actually have four planning areas. There's  
20 the North Atlantic up here, the Mid-Atlantic,  
21 South Atlantic, and there's also a Straits of  
22 Florida that's further down here.

23 We are just looking at the South  
24 Atlantic planning area, and the Mid-Atlantic.  
25 And that's what this document is covering, and



1 that's what is being considered. Okay?

2 So the North Atlantic planning area  
3 and the Straits of Florida down here are not  
4 under consideration for us to move ahead with  
5 this level of permitting of seismic surveys.

6 MR. HORAN: Why are the other two  
7 areas excluded from this?

8 MS. LEWANDOWSKI: A good question.  
9 The question is why are the other two areas  
10 excluded. And that's just a call that was made,  
11 you know, by management, that we're just looking  
12 at the Mid- and South Atlantic.

13 Now, there could be some things that  
14 happen case by case, some of the renewable  
15 projects that are going on in the North Atlantic.  
16 You know, we could still consider that with a  
17 separate NEPA document at a separate time. But I  
18 think because of where the interest, expressed  
19 interest, and whatever, you know, frankly,  
20 political judgments that have been made, we're  
21 just looking at the Mid- and South Atlantic for  
22 this effort.

23 MR. BENNETT: I think that's  
24 predominantly where the interest was expressed.

25 MS. FLEMING: I'm Lorraine Fleming.

1 If you said it, I missed when you anticipate  
2 having the draft EIS out.

3 MS. LEWANDOWSKI: Okay. The  
4 question was about having a draft EIS out. We  
5 have the draft out. What happens --

6 MS. FLEMING: PEIS?

7 MS. LEWANDOWSKI: Yes. The PEIS  
8 stays the same no matter what. There's a draft,  
9 and then there's a final.

10 MS. FLEMING: Oh, okay. I  
11 misunderstood.

12 MS. LEWANDOWSKI: That's okay.

13 MS. FLEMING: I thought you were  
14 going to do another document based on all the  
15 comments you receive.

16 MS. LEWANDOWSKI: Well, that is  
17 true. We are going to do another document, but  
18 we essentially take -- we try to put the most  
19 robust analysis that we can at the time on all  
20 the available information in the draft. And that  
21 was released on March 30th.

22 Then we want you to respond to what  
23 we've done, and then we look at all the comments  
24 in the public comment period, and in all  
25 likelihood there will be a number of revisions

1 that go to make the final document.

2 So the final isn't just going to be  
3 the draft replicated. It's going to -- we're  
4 actually going to go through and find those  
5 things that we might have missed.

6 MS. FLEMING: Thank you.

7 MR. BENNETT: And respond to  
8 comments.

9 MS. LEWANDOWSKI: And also respond  
10 to comments. Jim was just pointing out, within  
11 the final EIS we will put in the comments we have  
12 received through all the various public meetings  
13 and the written comments that come in, and we'll  
14 respond to them. We'll tell you what we've done  
15 to the document to change it, if we have. And if  
16 not, why we don't think a change is necessary.  
17 So you'll get to see all of that in the final,  
18 also. All right?

19 When we say G & G, it's short for  
20 geological and geophysical. They're basically  
21 activities that let you explore either at the  
22 surface or directly below the surface, or even  
23 far down below the surface, depending what you're  
24 trying to do. If you are trying to look for  
25 hydrocarbon resources, you probably will want to

1 go further down into the substrate, and you'd be  
2 looking at a geophysical survey like a seismic  
3 survey that can get an image of what's down way  
4 below, the ocean floor.

5 For things like renewables where you  
6 need to maybe consider putting a wind turbine out  
7 there, you probably don't need to go quite so  
8 deep. You may use a geophysical survey. You may  
9 use some other techniques to basically just  
10 characterize the substrate and make sure that you  
11 know what's there, and that you know there's not  
12 a shipwreck right under where you want to go,  
13 there's not a gas pocket there, and it can be  
14 done as safely as possible. So this document  
15 covers all of those activities that would fall in  
16 those two categories.

17 And then what we do is we divide it  
18 into what we would call routine operations, and  
19 then accidental events. Routine operations are  
20 listed up there.

21 When we do our analysis, for me as a  
22 marine biologist, I will look at all those things  
23 under the routine activities, what's being  
24 proposed, what the available science and other  
25 information tells me about what potential effects

1 are, and I'll write that up, and I'll come up  
2 with an idea at the end, or a recommendation, and  
3 explain it in the document, what I think the  
4 effects to my resource area might be. And then  
5 there's a lot of us that are doing that for  
6 different resource areas.

7 So, routine operations are going to  
8 be the things we anticipate happening, and of  
9 course, there could be accidental events. In the  
10 case of these activities, we would basically say  
11 an accidental event would more likely be a fuel  
12 spill from a seismic vessel.

13 And then I mentioned all the  
14 different "-ologies" that we have. Biology -- so  
15 here's an idea of the different things we're  
16 looking at, the different resource areas that  
17 we're looking at. And we do have subject matter  
18 experts that are trained within these, within  
19 BOEM itself, and also with CSA International. We  
20 also bring their perspectives and their expertise  
21 in for the analysis, also.

22 Now we have three alternatives, and  
23 basically, we'll have a little tiny table at the  
24 end of this that will compare the alternatives.

25 Alternative A would basically have a

1 suite of measures in there, one of which would be  
2 some closure areas to protect the North Atlantic  
3 Right Whale. The North Atlantic Right Whale is  
4 one of the most endangered marine mammal species  
5 in the world. It is an animal that does migrate  
6 up and down the coast of the Atlantic.

7           There are definitely places that the  
8 National Marine Fisheries Service, who is the  
9 government agency with the general mandate to  
10 protect the Right Whale, there are areas they've  
11 identified of higher, you know, Right Whale use.  
12 And we believe that those areas that they sort of  
13 already put closures on for other activities, we  
14 also believe that needs to be a central part of  
15 the analysis.

16           So alternative A, and I'll show a  
17 map in a moment, basically will show you those  
18 areas that we think would automatically be  
19 closed.

20           It also includes a number of what we  
21 consider more standard mitigation measures to  
22 protect different species out there. Vessel  
23 strike avoidance, marine debris awareness,  
24 basically teaching the operators and folks that  
25 are out there, you know, to be very mindful of

1 their trash and their discharges and things like  
2 that, that could potentially be a problem.

3 Alternative B takes all those things  
4 in A and adds a few more to them. One of the  
5 things it does is it expands those Right Whale  
6 closure areas even further. It also adds one off  
7 of Florida for sea turtles that nest in that area  
8 for part of the year.

9 It also does provide what we would  
10 call basically a separation distance between  
11 surveys that might be out there at the same time.  
12 And what we're getting at there is if we require  
13 a separation distance, then there is an ability  
14 for an animal to move around, and move through  
15 the area without potentially being exposed to  
16 noise, or things that they might find disturbing.

17 And then we also do require passive  
18 acoustic monitoring. Under this one, under  
19 alternative A it would be optional. And what  
20 that basically means is as part of the standard  
21 mitigation practices for seismic in particular,  
22 we do require observers that are just -- their  
23 only job is to look for marine mammals and sea  
24 turtles. And they will sit on the vessel, on the  
25 seismic sound source vessel, and there will be a

1 pre-determined distance from the vessel that they  
2 will monitor.

3 And if a whale or a dolphin or a  
4 seal or a turtle comes up in that area, they can  
5 call for a shutdown of the operation; or before  
6 the operation is started, they have to make sure  
7 that area is clear of those animals before the  
8 operation can start up.

9 They also, companies will also be  
10 required to do something we call ramp-up, which  
11 is basically, they can't turn their sources on  
12 full power immediately. They have to generally  
13 add gradually to get up to the full power status.

14 And what we believe that will do is  
15 if an animal does find the noise to be  
16 disturbing, there's an opportunity for it to  
17 become aware of the noise before that full  
18 intensity is put out there, and to move from the  
19 area if they need be.

20 So, you know, those sorts of things  
21 are geared, really, for marine mammals and for  
22 sea turtles, but they also do provide benefits  
23 for other species that are perhaps mobile, such  
24 as fish. So it does sort of also apply for them.

25 And alternative C would be what we



1 would consider no action. For oil and gas it  
2 would be no action because there's nothing that's  
3 being permitted out there right now for seismic  
4 or for geological surveys for oil and gas.

5 We do have some things that are  
6 being authorized for renewables and for sand and  
7 gravel at this time. That would continue, but  
8 the renewables and sand and gravel surveys are  
9 much smaller scale. They tend to use sound  
10 sources that are not quite as intense. They  
11 don't -- they're not as loud, and like I said,  
12 they're smaller scale geographically, meaning  
13 they're much more of a more pinpoint survey than  
14 some of the ones that are looking for oil and  
15 gas, that cover a much larger area.

16 So here's alternative A, and this is  
17 the Right Whale closure areas that I first  
18 mentioned. And these are the ones that have  
19 already been established by the National Marine  
20 Fisheries Service, and down here is where you're  
21 going to find the Right Whale calving habitat.  
22 This is where a lot of their calving happens,  
23 along here. This is about a 20 nautical mile  
24 distance from shore, in all of these areas.

25 And these are areas that NMFS has

1 established to slow vessels down, mostly  
2 commercial vessels that are coming into these  
3 ports. And we've basically made the  
4 determination that any sort of seismic survey  
5 that is going to utilize an airgun could also  
6 follow these closure areas.

7 So if someone is proposing to do a  
8 survey without an airgun, with another source  
9 that perhaps isn't quite as loud an intensity of  
10 noise, then we would consider that during those  
11 closure times. But if it's using an airgun, we  
12 would not consider it during the closure times.  
13 And you can see here, it lists here, as well as  
14 within the document, it will tell you what those  
15 closure times are.

16 Now, alternative B has basically got  
17 those same closures, but you'll also see, it's a  
18 little harder to see right now, but this little  
19 slashed area, we've essentially extended the  
20 closure of that 20 nautical miles in between all  
21 of this. And so, basically within 20 nautical  
22 miles of the coast, during the times that are  
23 listed here, we would not consider authorizing  
24 any surveys using airguns.

25 For the most part, I have to say

1 that when you look at renewable projects and you  
2 look at sand and gravel, and you look at their  
3 need for seismic surveys, they do tend not to use  
4 airguns, because again, these are much smaller  
5 surveys. They don't need to go as deep into the  
6 ocean floor, especially, to look at what's below.

7 But if it's -- they were to propose  
8 to use an airgun, they would be closed off from  
9 that area, also.

10 And then down here, and I think on  
11 the next slide it shows a little bit more. This  
12 is off of Brevard County, Florida. This is an  
13 area known for sea turtle nesting, and we would  
14 also be having a closure and not authorizing any  
15 activities with airguns in that area during that  
16 time period.

17 So, comparing all three  
18 alternatives, if you look at the time area  
19 closure for the Right Whales, it is across A and  
20 B, and it's expanded in B, as I've just showed  
21 you in those maps.

22 If you look at our standard seismic  
23 survey protocol, you're going find the same one  
24 in A versus B. What you will find different is  
25 when we get to the passive acoustic monitoring.

1 And what that does is if you have -- we require  
2 visual observers, but we recognize that these  
3 animals are under water a lot, and even if you  
4 allow a long period of time to observe, to make  
5 sure that they haven't come up to surface, you  
6 may still miss some.

7 And so, industry has developed  
8 technology where you can actually listen for  
9 them, too. And in alternative A, we would say,  
10 you know, it's optional whether you wanted to use  
11 that technology.

12 Alternative B, we would say you have  
13 to. Where they might still use it, even if it's  
14 optional, is at nighttime. Right now, if they  
15 cannot visually observe the zone, they can't  
16 start up at night. They have to wait till day.  
17 But if they can acoustically listen to it, then  
18 they're allowed to start up at night.

19 Now, again, alternative B, though,  
20 that would be required at all times. And there  
21 is a lot of software out there, a lot of training  
22 that's going on where you can know what kind of  
23 animal you're hearing, you can even triangulate  
24 the distance of that animal's noise that you're  
25 hearing from the vessel. So it's gotten

1 quite -- the technology has really come into  
2 play.

3 The separation distance would not be  
4 in A, but it would be in B. And again, that  
5 is -- the thought behind that is to allow that  
6 corridor, an extra area for these animals to move  
7 through if needed.

8 And the protocols, the high  
9 resolution survey protocols are essentially the  
10 same as a seismic survey protocol. So that would  
11 be consistent on A and B.

12 A vessel strike avoidance. We have  
13 guidance for that, how you're supposed to, you  
14 know, slow down when you've observed a whale  
15 would be an example. And then also the marine  
16 debris awareness, that would also be in both A  
17 and B.

18 This gives a real, real top-level  
19 snapshot of so far what we've determined as far  
20 as the effects to these different -- at least to  
21 the resource areas that we have identified in  
22 this table.

23 Where you can see that there's a  
24 greater potential for effects is going to be with  
25 marine mammals, where you see it's listed as

1 moderate. Sea turtles would also be the other  
2 one. And that's because these are activities  
3 that, particularly seismic surveys, that do  
4 generate noise. And we know enough to know that  
5 the noise that a lot of these sound sources  
6 generate is within the hearing ranges of many  
7 marine mammals, and sea turtles to some extent.  
8 So if an animal can hear it, then we have to look  
9 at whether or not it is bothersome to them.

10 And that depends on a lot of  
11 factors. It depends on, you know, what the  
12 animal's doing at that particular moment. If  
13 it's an animal that's heard the noise before,  
14 hasn't heard the noise before; do they have a  
15 calf nearby, or they don't; are they feeding, are  
16 they not.

17 It is very, very context specific.  
18 So you do have to make some general conclusions,  
19 but we've gone through all that, and basically  
20 have come up with these determinations with the  
21 mitigations considered in each one, what we think  
22 the potential effects might be.

23 And then, also, this analysis is  
24 used for the National Environmental Policy Act,  
25 but there's a suite of other statutes that we

1 also comply with. We will use an analysis from  
2 this, as well as some additional information, to  
3 do an Endangered Species Act consultation, and we  
4 will essentially, under that, you work with  
5 National Marine Fisheries Service and the Fish  
6 and Wildlife Service, and you just do an  
7 analysis, a robust analysis, on endangered  
8 species, and any of their habitat that's been  
9 designated.

10 And you work with the services, and  
11 if they decided there needs to be an additional  
12 mitigation added, then that's something you would  
13 also incorporate into your action.

14 We do the same sort of thing under  
15 the National Historic Preservation Act. We want  
16 to make sure that cultural resources that are out  
17 there, shipwrecks, all those sorts of things, are  
18 protected.

19 And also, there's the  
20 Magnuson-Stevens Fishery Conservation Management  
21 Act. And what that has us do is work with the  
22 National Marine Fisheries Service to look at  
23 effects to fish habitat and fisheries, and that's  
24 something that we also go through.

25 And then we have a cooperating

1 agency on this document with us, and that's the  
2 National Marine Fisheries Service. And a  
3 company, if they're going to be doing a survey,  
4 if we authorize a survey that could potentially  
5 impact a marine mammal, they will have to go to  
6 NMFS to get the appropriate authorization.

7 So, by NMFS cooperating with us, we  
8 produce one NEPA document that both agencies can  
9 use. So we make sure the sorts of things that  
10 they'll need to have analyzed are included in our  
11 document, and it makes for some, you know,  
12 better, more efficient government that way.

13 Next steps. We'll continue to take  
14 comments, whether written comments -- and I'll  
15 show you the address for those -- or from the  
16 public meetings, up until May 30th. At that  
17 time, we will close the comment period, and we  
18 will honestly and truly go through every comment  
19 we've received. We'll read every letter, we'll  
20 look at all the transcripts that were done from  
21 all the various public hearings that we've done.  
22 And the participation at the hearings has ranged  
23 from a few folks, some of them have had 80 at one  
24 meeting. So there will definitely be a lot of  
25 comments that we'll be able to go through.



1                   And we'll find those areas of things  
2 we missed, where you all have raised something  
3 that we have forgotten or we haven't thought  
4 about, and then we'll determine if there needs to  
5 be a change to the document. And like I said  
6 earlier on, we'll respond in the final EIS to all  
7 of those comments. You'll see what the response  
8 was.

9                   And of course, in many cases we may  
10 group them, if they're similar comments, but  
11 you'll get a general idea of what our thoughts  
12 are about the comment, and then if we've made any  
13 changes to the document.

14                   And then come November, we hope --  
15 of this year, we hope to have the final EIS  
16 completed. At that point, the EIS, as well as  
17 the other consultations we've done, and what has  
18 resulted from them, will go in front of our  
19 director. And he will look at all of that, look  
20 at all of the information that's in there and the  
21 advice that's in there, and he'll make a final  
22 decision on what BOEM will do with these  
23 requests. And that record and decision, how that  
24 comes out, that will be issued in December of  
25 this year, is our current plan.

1           And then just deploying out here,  
2   you do, besides today, you have the opportunity,  
3   of course, to provide some oral comments, or if  
4   you have something written up you want to hand to  
5   us, that's also fine.

6           There's also an e-mail address and a  
7   mailing address, if you want to send something to  
8   those before May 30th. And I would also point  
9   out that we do have a website for this project,  
10   and I believe it's on the materials you may have  
11   gotten out front, that website is listed. So you  
12   don't necessarily have to write it all down from  
13   here.

14           On that website you'll find copies  
15   of the applications we received. You can see  
16   where different companies are asking to do  
17   surveys. You'll be able to see an explanation in  
18   greater detail of what a geological survey is,  
19   what a geophysical survey is, the different laws  
20   that we need to comply with. So there's a lot of  
21   additional information there, and I would point  
22   you there if you have any questions.

23           Go ahead.

24           MS. FLEMING: Are your --

25           MS. LEWANDOWSKI: Your name again.

1 You just have to do your name.

2 MS. FLEMING: Oh. Lorraine Fleming.  
3 Are your slides on the website?

4 MS. LEWANDOWSKI: They will be.

5 MS. FLEMING: Excellent.

6 MR. BENNETT: They're supposed to be  
7 up next week. Gulf of Mexico Regional Office is  
8 handling that, and they told us it would be up  
9 next week.

10 MS. FLEMING: Very good. Thank you.

11 MS. LEWANDOWSKI: Because sometimes  
12 you start with a presentation, and based off of  
13 people want different things, you end up with  
14 something maybe a little different as you go  
15 through the hearings. So that's why it comes  
16 afterwards. Okay?

17 All right. Well then, I'll turn it  
18 back over to Jim, and he can give you some  
19 instructions on if you want to go ahead and offer  
20 any comments at this time.

21 MR. BENNETT: Thank you, Jill. We  
22 do have one speaker who is registered to speak,  
23 and we can accommodate that. Again, I want to  
24 point out to you that we have a number of subject  
25 matter experts here. If you have questions or

1 you want to discuss some issues, we'll be happy  
2 to stick around and do that with you.

3 Normally we ask people to  
4 self-police their comments to three minutes, but  
5 given the extent of the speakers list, I think  
6 we'll be okay in that department this evening.

7 And I do ask that you address your  
8 comments to the panel, and we will have an  
9 opportunity, after the registered speaker talks,  
10 if anybody else wants to speak, they will be  
11 welcome to do so.

12 So, we can start with Ruth Ann  
13 Purchase. You can use the microphone over there.

14 MS. PURCHASE: My name is Ruth Ann  
15 Purchase, P-u-r-c-h-a-s-e, just like when you buy  
16 something. I'm sorry I was a bit late. I am  
17 wondering if the transcripts will be available.

18 MR. BENNETT: Yes.

19 MS. PURCHASE: Yes?

20 MR. BENNETT: The transcripts are a  
21 matter of public record. They will be available.

22 MS. PURCHASE: Through the website?

23 MR. BENNETT: I don't think they get  
24 posted on the website, but upon request we can  
25 provide them. We don't usually get them for some

1 time after the hearing, so they're not something  
2 that will be posted next week.

3 MS. PURCHASE: But before the  
4 decisions are made, we get to see all the  
5 different hearing --

6 MR. BENNETT: Again, I don't believe  
7 they'll be posted, but they would be available,  
8 yes. You can contact us through the website, and  
9 I can give you my card.

10 MS. PURCHASE: Thank you. I have  
11 three points that I was requested to make, and I  
12 am sorry I was a little bit late.

13 First of all, there's a request that  
14 complete disclosure of all lobbying activity on  
15 this subject, as well as international  
16 corporations' funding of academic research, of  
17 all the offshore research, especially the  
18 validity of mitigation measures.

19 The public would like to see who is  
20 pushing for this to be done, and who is funding  
21 the research itself, who funds the academic  
22 laboratories that are doing the research, since  
23 we understand that so much of the motivation  
24 comes from people who do want to make profit from  
25 this work.

1                   Secondly, from the organizations  
2     that I participate in, we have understood that  
3     many environmental scientists, especially  
4     international scientists, are definitively  
5     declaring that there is no energy requirement for  
6     an increase in natural gas or oil. And that if  
7     the current level of funding dedicated to this  
8     particular project alone were dedicated to energy  
9     efficiency and energy reduction, less polluting  
10    and less damaging processes would develop, which  
11    would be more in alignment with the general  
12    international environmental recommendations.

13                  Thirdly, the most valuable cultural  
14    resources that would be disturbed are not related  
15    to modern shipwrecks or tourism, but the ancient  
16    cities of the original places -- of the original  
17    people, and sacred places, which some believe  
18    have an ancient wisdom understood, and which  
19    modern science ignores, which may be why we're in  
20    the dangerous situation we're in today.

21                  I would like to know personally if  
22    there's anyone here in the room that can answer  
23    the question, I would like an answer tonight to  
24    be able to take back to people, about the process  
25    for disclosure of who's funding the research, and

1 especially the mitigation aspect, and how Native  
2 Americans are being included in the process of  
3 evaluating the damages that would be done.

4 Recognizing that in some ways, a  
5 50-foot increase in our oceans at this point  
6 would destroy a lot more of our natural  
7 resources, everyone's thinking about how we  
8 protect ancient resources, and what might be  
9 discovered and learned about the ancient wisdom  
10 of ancient people.

11 So that is a question that I would  
12 like to be able to respond to as I go back to the  
13 organizations that sent me tonight.

14 Thank you very much.

15 MR. BENNETT: Thank you for your  
16 comments. Normally we would provide, be able to  
17 respond to points of clarification. I don't have  
18 an answer for your first question there. We'll  
19 have to do some research to be able to give you a  
20 complete enough answer.

21 The second question that you asked  
22 is also much more involved than we can get into  
23 here. However, I do want to assure you of the  
24 consultation processes that we talked about, that  
25 Jill mentioned earlier.

1           We have several processes that we  
2     have to pursue with Native American communities,  
3     including government-to-government consultations,  
4     and the 106 process under the National Historic  
5     Preservation Act.

6           But with that as an overview, if you  
7     want more specific information, we would have  
8     to -- we'd have to do some more research on it.

9           MS. PURCHASE: I was informed that  
10    Native Americans have requested that the process  
11    be slowed down for further investigation of the  
12    possible cultural resource damage, and that --  
13    that no change in the timeline has been allowed  
14    for that. And they have -- they don't have the  
15    funding for lawyers to request that further.

16           So maybe you could clarify that.  
17    Has any --

18           MR. BENNETT: Well, I can't clarify  
19    it any further, but we can take your comments,  
20    and we will respond to it in the final  
21    environmental impact statement.

22           MS. PURCHASE: Okay. Thank you.

23           MR. BENNETT: That is all of the  
24    registered speakers. Anyone who has not had an  
25    opportunity to speak, please step to the



1 microphone. State your name, please for the  
2 court reporter.

3 MS. FLEMING: Yes, my name is  
4 Lorraine Fleming, and that's Fleming with one M.  
5 I wanted to first of all thank you for holding a  
6 hearing in Delaware. That's a rare occurrence  
7 for a Federal agency to hold it here in Delaware,  
8 and I thought I should attend for that reason.

9 But -- and I'm wondering how many  
10 people were at the 1:00?

11 MS. LEWANDOWSKI: Seven, I think.

12 MR. BENNETT: Seven.

13 MS. FLEMING: Seven? Well, I was at  
14 a Sea Grant Advisory Council meeting this  
15 morning, and sitting at the same table with our  
16 coastal management program manager, and she  
17 didn't know about this. I had to tell her about  
18 it, and she quickly sent a staff member up from  
19 Dover to attend. I presume he was here this  
20 afternoon.

21 But at any rate, I am planning to  
22 submit comments by the 30th of May, but I had  
23 some things, and I have gone through the  
24 documents in a very cursory manner.

25 And thank you for your good

1 presentation about the biota. I am a  
2 biologist/ecologist by trade, and I retired. I'm  
3 wondering if you have had the benefit of  
4 Delaware's marine spatial planning document?  
5 The -- this was a one-year study by graduate  
6 students primarily working under Dr. Jeremy  
7 Firestone in our University of Delaware' College  
8 of Earth, Ocean and Environment. It was partly  
9 funded by the Sea Grant program.

10           Anyway, there was a workshop in  
11 November, much like this one, to pick up on  
12 information that they might have missed, that  
13 people there -- and there were a lot of  
14 professional, technical people in attendance.  
15 And there were two staff people from your agency  
16 there, and I hope you're all talking to each  
17 other.

18           This is brand new. This document is  
19 the final now, and in November we were working  
20 from drafts. But there are excellent  
21 compilations of data in graphic form in here,  
22 much of it dealing with -- well, this is pointed  
23 at wind energy development offshore.

24           And a lot of it has to do with sea  
25 birds, which is not a concern in this case. But

1 there also is a great deal about migratory marine  
2 mammals, and that is obviously a primary concern  
3 of yours, as well as mine and others in Delaware.

4 Now, there has been -- if you don't  
5 have this, you can obtain it almost immediately.  
6 This was issued April 9th, so I doubt that it was  
7 incorporated directly into your work in the draft  
8 PEIS. But there has been work done in the past  
9 in Delaware concerning investigation of the oil  
10 and gas potential of the Outer Continental Shelf.  
11 And I don't think that our Delaware Geological  
12 Survey people knew about this, either. I think I  
13 was instrumental in informing them, but maybe a  
14 little too late.

15 And I was looking for something --  
16 report of investigations number 36, from the DGS,  
17 history of oil and gas exploration in the  
18 Mid-Atlantic region, and Delaware's involvement  
19 in the Federal OCS leasing program.

20 Now that's, you know, old stuff, but  
21 nevertheless, in the -- in the executive summary,  
22 which is as far as I've been able to get -- I  
23 know there are some graphics further on that  
24 maybe I'll get to explore, but I found this on my  
25 computer, on my e-mail, at 5:00 this afternoon.

1           Anyway, it says three Mid-Atlantic  
2     lease sales were held, sale 40 in 1976, sale 49  
3     in 1978, and sale 59 in 1981. A total of 361  
4     tracts were offered, and the industry paid nearly  
5     \$1.5 billion in bonus money for 187 of these  
6     tracts.

7           From 1978 through 1981, there were  
8     28 wells drilled, ranging in total depth from  
9     13,000 to 18,000 feet. Five wells encountered  
10    significant oil and gas on a small part of their  
11    major target structure. Two others, plus the --  
12    I don't know, this is the IDCOSTB3 well,  
13    encountered minor gas shows.

14           Results from the five well group  
15    with significant hydrocarbon shows indicate a  
16    total of 88.45 million cubic feet of gas per day.  
17    Some condensate, and 630 barrels per day of oil.

18           Now, and there -- as far as I know,  
19    there was no further exploration, because  
20    basically it was off limits. But I'm wondering  
21    why now, other than that there's renewed  
22    interest? We in Delaware are very focused on  
23    developing our offshore wind resource, and I, in  
24    addition to my concern about the impact to biota,  
25    I think there will be conflict.

1           If you look at this, you will see  
2   that once every -- everything that will be  
3   conflicting or obstructing is ruled out, there is  
4   a very narrow area left of the wind -- designated  
5   wind energy areas, WEAs, in your organization.  
6   And I think that most of the constraints that are  
7   identified in here would be also constraints for  
8   oil and gas investigation.

9           So, I hope that you will be able to,  
10   you know, get ahold of these other materials, and  
11   pipe that in.

12           And by the way, Ms. Purchase, at the  
13   workshop I referred to in November, there were  
14   members of two Native American tribes there, one  
15   from Massachusetts, and one from Delaware, asking  
16   for consideration in an investigation in terms of  
17   this. I haven't had a chance to see whether  
18   there's any new information entered in.

19           MS. PURCHASE: They got no response  
20   from that.

21           MR. BENNETT: Okay.

22           MS. PURCHASE: They requested a  
23   delay, but they got no response.

24           MS. FLEMING: No. I'm talking about  
25   the marine spatial planning that Delaware did.

1 So --

2 MR. BENNETT: Okay. The information  
3 you're identifying, I don't know exactly the  
4 status of it with regard to the preparation of  
5 the draft EIS, but we will take note of it, we  
6 will determine whether it is information that we  
7 should be including. And I appreciate your  
8 bringing that to our attention.

9 MS. FLEMING: Well, it should be in  
10 your agency.

11 MR. BENNETT: I'm pretty sure -- I  
12 know we have the Firestone report.

13 MS. LEWANDOWSKI: The draft was done  
14 prior to March, of the EIS, so --

15 MS. FLEMING: Yes.

16 MS. LEWANDOWSKI: We have seen the  
17 report, yes.

18 MR. BENNETT: And we will determine  
19 whether there's information that needs to be  
20 incorporated into the final.

21 MS. LEWANDOWSKI: Some of it is  
22 already in there, but --

23 MS. FLEMING: And the work done  
24 earlier? I -- that must be of some value.

25 MS. LEWANDOWSKI: Oh, yeah.

1 Absolutely.

2 MS. FLEMING: Perhaps it was one of  
3 the things that prompted the 11 applications. I  
4 don't know.

5 MR. BENNETT: Possible. We're  
6 familiar with that, yes.

7 MS. FLEMING: Well, thank you again  
8 for coming to Delaware.

9 MR. BENNETT: Thank you. Glad to be  
10 here. Anyone else who has not had an opportunity  
11 to speak that would like to say anything? If  
12 not, does anybody who has already spoken wish to  
13 speak again?

14 MS. PURCHASE: I would -- I would  
15 just like -- Ruth Ann Purchase again. I would  
16 just like to know --

17 MR. BENNETT: Could you go to the  
18 microphone, please.

19 MS. PURCHASE: Yeah. I am curious  
20 about how this was advertised, since many of the  
21 organizations I'm connected with didn't get word  
22 of it until yesterday.

23 MR. BENNETT: Yeah. I can clarify  
24 that for you. We did publish a public notice in  
25 the Federal Register, and my understanding is we

1 also advertised in the Wilmington paper, the  
2 local paper in Wilmington.

3 MS. MADSEN: And media advisories  
4 were also issued to the press throughout the  
5 region.

6 MS. PURCHASE: Would you say that  
7 again?

8 MS. MADSEN: We had a media advisory  
9 that was sent out, with all of the meetings  
10 listed, and it's also posted on our website.

11 MS. PURCHASE: Where was it sent,  
12 the media advisories?

13 MS. MADSEN: Sent to regional media,  
14 and sent to outlets in the D.C. area that have  
15 affiliates in this area.

16 MS. PURCHASE: Regional media  
17 received this document?

18 MR. BENNETT: No. They didn't  
19 receive the document. They received the press  
20 releases.

21 MS. MADSEN: The press advisory.

22 MS. PURCHASE: How long ago?

23 MS. MADSEN: I'd have to look up the  
24 date, but it's been within the past couple weeks  
25 that the advisory went out.



1 MS. FLEMING: I was advised by  
2 someone who apparently saw the notice in the  
3 Federal Register, but I don't believe any of the  
4 media carried this locally.

5 MS. MADSEN: It's possible, yeah.

6 MR. BENNETT: These are standard  
7 procedures for notification of public hearings  
8 that we pursue. And as far as I know, they've  
9 been -- they've been fulfilled for this one, as  
10 well as the other eight meetings that we've had.

11 Okay. Any other questions,  
12 comments?

13 MR. HORAN: I'm Charlie Horan. I'd  
14 like to address that question. I didn't see it  
15 through any of those. I saw it on the internet.

16 MR. BENNETT: Okay.

17 MR. HORAN: Just a standard when I  
18 go on in the morning, I see AOL news or  
19 something, and it was listed, one of the things  
20 that automatically comes to my inbox. So I'm  
21 sure anybody that's got their name out there for  
22 anything would have seen that, I think. I can  
23 hardly believe someone looking for it wouldn't  
24 have found it.

25 MR. BENNETT: Okay. Thank you.

1 Okay. Are there any other comments? Okay.  
2 Well, like I said, we will be around. I'd like  
3 to remind you that the comment period closes on  
4 May 30th. Even though you haven't -- even though  
5 you may not have gotten your comments in today,  
6 we can receive comments until the 30th of May,  
7 either by snail mail or through the web. And  
8 we'll treat them, they will be treated with equal  
9 consideration.

10 And since there's nobody further to  
11 speak, I think we're done. Thank you very much.  
12 Adjourned.

13 (Hearing concluded at 7:47 p.m.)  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

I N D E X

PAGE

SPEAKER: Ruth Ann Purchase	28
SPEAKER: Lorraine Fleming	33
CERTIFICATE OF REPORTER	44

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

REPORTER'S CERTIFICATE

I, JULIANNE LaBADIA, Registered Diplome Reporter and Notary Public, do hereby certify that the foregoing record, pages 1 through 43 inclusive, is a true and accurate transcript of my stenographic notes taken on April 26, 2012, in the above-captioned matter.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 2nd day of May, 2012, at Wilmington.

Julianne LaBadia, RDR, CRR

**In Re: Programmatic Environmental Impact Statement  
Public Hearing Evening Session on 04/26/2012**

Index: \$1.5..alignment

	361 36:3	academic	41:14
\$		29:16,21	adds 15:4,6
\$1.5 36:5	4	accidental	Adjourned
	40 36:2	12:19 13:9, 11	42:12
-	49 36:2	accommodate	advertised
-ologies 13:14		27:23	39:20 40:1
	5	account 8:8,10	advice 25:21
1	50-foot 31:5	acoustic 15:18	advised 41:1
106 32:4	59 36:3	19:25	advisories
11 4:16 39:3	5:00 35:25	acoustically	40:3,12
13,000 36:9		20:17	advisory 33:14
18,000 36:9	6	Act 4:5 22:24	40:8,21,25
187 36:5	60-day 6:10	23:3,15,21	Affairs 3:8
1976 36:2	630 36:17	32:5	affiliates
1978 36:3,7		action 6:19,25	40:15
1981 36:3,7	7	7:7 17:1,2	afternoon
1:00 33:10	7:47 42:13	23:13	33:20 35:25
		activities 2:5	agencies 24:8
	8	3:11 4:7	agency 14:9
2	80 24:23	6:22 11:21	24:1 33:7
20 17:23	88.45 36:16	12:15,23	34:15 38:10
18:20,21		13:10 14:13	ahead 9:4
28 36:8		19:15 22:2	26:23 27:19
	9	activity 29:14	ahold 37:10
3	9th 35:6	add 16:13	air 7:4
30th 5:25 6:1		added 23:12	airgun 18:5,8, 11 19:8
10:21 24:16	A	addition 36:24	airguns 18:24
26:8 33:22	ability 15:13	additional	19:4,15
42:4,6	Absolutely	23:2,11	alignment
36 35:16	39:1	26:21	30:11
		address 24:15	
		26:6, 28:7	

**In Re: Programmatic Environmental Impact Statement  
Public Hearing Evening Session on 04/26/2012**

Index: allowed..biota

<b>allowed</b> 20:18 32:13	<b>AOL</b> 41:18	4:8,18 6:17 8:18,20,21, 24 9:2,12, 15,21 14:2, 3,6	<b>based</b> 7:18 10:14 27:12
<b>alternative</b> 7:13 8:11 13:25 14:16 15:3,19 16:25 18:16 20:9,12,19	<b>apparently</b> 41:2	<b>applications</b> 4:16 26:15 39:3	<b>basically</b> 11:20 12:9 13:10,23,25 14:17,24 15:10,20 16:11 18:3, 16,21 22:19 36:20
<b>alternatives</b> 7:11 13:22, 24 19:18	<b>apply</b> 16:24	<b>attend</b> 33:8,19	
<b>American</b> 32:2 37:14	<b>approach</b> 5:6	<b>attendance</b> 34:14	
<b>Americans</b> 31:2 32:10	<b>approval</b> 6:22	<b>attention</b> 38:8	
<b>analysis</b> 10:19 13:21 14:15 22:23 23:1,7	<b>April</b> 35:6	<b>authorization</b> 24:6	<b>beach</b> 5:2
<b>analyzed</b> 24:10	<b>archaeologists</b> 7:3	<b>authorize</b> 24:4	<b>benefit</b> 34:3
<b>ancient</b> 30:15, 18 31:8,9,10	<b>area</b> 4:8,9 6:17 8:24 9:2 13:4 15:7,15 16:4,7,19 17:15 18:19 19:9,13,15, 18 21:6 37:4 40:14,15	<b>authorized</b> 17:6	<b>benefits</b> 16:22
<b>animal</b> 14:5 15:14 16:15 20:23 22:8, 13	<b>areas</b> 7:9,22 8:3,19 9:7,9 13:6,16 14:2,10,12, 18 15:6 17:17,24,25 18:6 21:21 25:1 37:5	<b>authorizing</b> 18:23 19:14	<b>Bennett</b> 2:1,7 3:24 9:23 11:7 27:6,21 28:18,20,23 29:6 31:15 32:18,23 33:12 37:21 38:2,11,18 39:5,9,17,23 40:18 41:6, 16,25
<b>animal's</b> 20:24 22:12	<b>aspect</b> 31:1	<b>automatically</b> 14:18 41:20	
<b>animals</b> 16:7 20:3 21:6	<b>Assessment</b> 2:8	<b>avoid</b> 8:14	
<b>Ann</b> 28:12,14 39:15	<b>assure</b> 31:23	<b>avoidance</b> 14:23 21:12	
<b>anticipate</b> 10:1 13:8	<b>Atlantic</b> 2:6	<b>aware</b> 16:17	
		<b>awareness</b> 14:23 21:16	<b>billion</b> 36:5
		<hr/> <b>B</b> <hr/>	<b>biologist</b> 3:5, 6 12:22
		<b>back</b> 27:18 30:24 31:12	<b>biologist/ecologist</b> 34:2
		<b>background</b> 3:16	<b>biologists</b> 7:2
		<b>barrels</b> 36:17	<b>Biology</b> 13:14
			<b>biota</b> 34:1 36:24

**In Re: Programmatic Environmental Impact Statement  
Public Hearing Evening Session on 04/26/2012**

Index: birds..consultations

<b>birds</b> 34:25	<b>cases</b> 25:9	<b>coastal</b> 33:16	<b>completed</b> 25:16
<b>bit</b> 5:21	<b>categories</b> 12:16	<b>collection</b> 5:1	<b>comply</b> 23:1 26:20
19:11 28:16	<b>central</b> 14:14	<b>College</b> 34:7	<b>computer</b> 35:25
29:12	<b>chance</b> 37:17	<b>comment</b> 2:22, 5:23 6:10	<b>concern</b> 34:25 35:2 36:24
<b>BOEM</b> 8:18	<b>change</b> 11:15, 16 25:5	7:17 10:24	<b>concluded</b> 42:13
13:19 25:22	32:13	24:17,18	<b>conclusions</b> 22:18
<b>bonus</b> 36:5	<b>characterize</b> 4:20 12:10	25:12 42:3	<b>condensate</b> 36:17
<b>bothersome</b> 22:9	<b>Charlie</b> 41:13	<b>comments</b> 2:20 3:2,18 5:17, 18 6:2,12	<b>conflict</b> 36:25
<b>brand</b> 34:18	<b>Chief</b> 2:8	7:19 10:15, 23 11:8,10, 11,13 24:14, 25 25:7,10	<b>conflicting</b> 37:3
<b>Brevard</b> 19:12	<b>cities</b> 30:16	26:3 27:20	<b>connected</b> 39:21
<b>bring</b> 13:20	<b>clarification</b> 3:22 31:17	28:4,8 31:16	<b>Conservation</b> 23:20
<b>bringing</b> 38:8	<b>clarify</b> 32:16, 18 39:23	32:19 33:22	<b>consideration</b> 9:4 37:16 42:9
<b>bureau</b> 2:9,14, 15	<b>clear</b> 16:7	41:12 42:1, 5,6	<b>considered</b> 9:1 22:21
<b>Butterworth</b> 3:5	<b>close</b> 5:23 6:1 24:17	<b>commercial</b> 18:2	<b>consistent</b> 21:11
<b>buy</b> 28:15	<b>closed</b> 14:19 19:8	<b>communities</b> 32:2	<b>constraints</b> 37:6,7
<hr/> <b>C</b> <hr/>	<b>closes</b> 42:3	<b>companies</b> 16:9 26:16	<b>consultation</b> 23:3 31:24
<b>calf</b> 22:15	<b>closure</b> 14:2 15:6 17:17	<b>company</b> 24:3	<b>consultations</b>
<b>call</b> 7:24 9:10	18:6,11,12, 15,20 19:14, 19	<b>compare</b> 13:24	
12:18 15:10	<b>closures</b> 14:13 18:17	<b>comparing</b> 19:17	
16:5,10	<b>coast</b> 14:6 18:22	<b>compilations</b> 34:21	
<b>calving</b> 17:21, 22		<b>complete</b> 29:14 31:20	
<b>card</b> 29:9			
<b>Caren</b> 3:7			
<b>carried</b> 41:4			
<b>case</b> 6:20 9:14 13:10 34:25			

**In Re: Programmatic Environmental Impact Statement  
Public Hearing Evening Session on 04/26/2012**

Index: consulting..disturbing

25:17 32:3	<b>current</b> 25:25	<b>definitively</b>	<b>determined</b>
<b>consulting</b>	30:7	30:4	21:19
3:10	<b>cursory</b> 33:24	<b>Delaware</b> 33:6,	<b>determining</b>
<b>contact</b> 29:8	_____	7 35:3,9,11	7:13
<b>context</b> 22:17	<b>D</b>	36:22 37:15,	<b>develop</b> 30:10
<b>Continental</b>	_____	25 39:8	<b>developed</b> 20:7
2:19 3:11	<b>D.C.</b> 40:14	<b>Delaware'</b> 34:7	<b>developing</b> 4:4
35:10	<b>damage</b> 32:12	<b>Delaware's</b>	36:23
<b>continue</b> 17:7	<b>damages</b> 31:3	34:4 35:18	<b>development</b>
24:13	<b>damaging</b> 30:10	<b>delay</b> 37:23	2:17 4:13
<b>cooperating</b>	<b>dangerous</b> 4:24	<b>density</b> 8:2	34:23
23:25 24:7	30:20	<b>department</b>	<b>DGS</b> 35:16
<b>copies</b> 26:14	<b>darker</b> 8:3	2:16 28:6	<b>directly</b> 11:22
<b>corporations'</b>	<b>data</b> 34:21	<b>depending</b>	35:7
29:16	<b>date</b> 40:24	11:23	<b>director</b> 25:19
<b>corridor</b> 21:6	<b>day</b> 36:16,17	<b>depends</b> 22:10,	<b>discharges</b>
<b>Council</b> 33:14	<b>deal</b> 35:1	11	15:1
<b>County</b> 19:12	<b>dealing</b> 4:6	<b>deploying</b> 26:1	<b>disclosure</b>
<b>couple</b> 3:9	34:22	<b>depth</b> 36:8	29:14 30:25
40:24	<b>debris</b> 14:23	<b>deputy</b> 3:12	<b>discovered</b>
<b>court</b> 33:2	21:16	<b>designated</b>	31:9
<b>cover</b> 17:15	<b>December</b> 25:24	23:9 37:4	<b>discuss</b> 28:1
<b>covering</b> 8:25	<b>decided</b> 23:11	<b>desk</b> 2:13 3:14	<b>distance</b>
<b>covers</b> 12:15	<b>decision</b>	<b>destroy</b> 31:6	15:10,13
<b>CSA</b> 3:10	25:22,23	<b>detail</b> 26:18	16:1 20:24
13:19	<b>decisions</b> 29:4	<b>determination</b>	21:3
<b>cubic</b> 36:16	<b>declaring</b> 30:5	18:4	<b>distributed</b> 6:9
<b>cultural</b> 23:16	<b>dedicated</b>	<b>determinations</b>	<b>disturbed</b>
30:13 32:12	30:7,8	22:20	30:14
<b>curious</b> 39:19	<b>deep</b> 7:24 12:8	<b>determine</b> 5:7	<b>disturbing</b>
	19:5	7:8 25:4	16:16
		38:6,18	



**In Re: Programmatic Environmental Impact Statement  
Public Hearing Evening Session on 04/26/2012**

Index: divide..Firestone

<b>divide</b> 12:17	21:20,24	18:19 21:9	<b>exposed</b> 15:15
<b>Division</b> 2:8	22:22 23:23	23:4	<b>expressed</b> 7:23 9:18,24
<b>document</b> 5:11	<b>efficiency</b> 30:9	<b>established</b> 17:19 18:1	<b>extended</b> 18:19
8:25 9:17	<b>efficient</b> 24:12	<b>evaluating</b> 31:3	<b>extent</b> 22:7 28:5
10:14,17	<b>effort</b> 9:22	<b>evening</b> 28:6	<b>extra</b> 21:6
11:1,15	<b>EIS</b> 5:15 7:17	<b>event</b> 13:11	
12:14 13:3	10:2,4 11:11	<b>events</b> 12:19	<hr/> <b>F</b> <hr/>
18:14 24:1, 8,11 25:5,13	25:6,15,16	13:9	<b>factors</b> 22:11
34:4,18	38:5,14	<b>everyone's</b> 31:7	<b>fall</b> 12:15
40:17,19	<b>elevator</b> 2:11	<b>excellent</b> 27:5 34:20	<b>familiar</b> 39:6
<b>documents</b> 33:24	<b>encountered</b> 36:9,13	<b>excluded</b> 9:7, 10	<b>Federal</b> 33:7 35:19 39:25 41:3
<b>dolphin</b> 16:3	<b>end</b> 5:13,16 13:2,24 27:13	<b>executive</b> 35:21	<b>feeding</b> 22:15
<b>doubt</b> 35:6	<b>endangered</b> 14:4 23:3,7	<b>exits</b> 2:11	<b>feel</b> 3:23
<b>Dover</b> 33:19	<b>energy</b> 2:9,14 4:15 30:5,8, 9 34:23 37:5	<b>expanded</b> 19:20	<b>feet</b> 36:9,16
<b>draft</b> 2:4 5:15 7:17 10:2,4, 5,8,20 11:3 35:7 38:5,13	<b>entered</b> 37:18	<b>expands</b> 15:5	<b>final</b> 10:9 11:1,2,11,17 25:6,15,21 32:20 34:19 38:20
<b>drafts</b> 34:20	<b>Environment</b> 34:8	<b>expertise</b> 7:8 13:20	<b>finalized</b> 7:18
<b>drilled</b> 36:8	<b>environmental</b> 2:4,8,17 4:3,5 22:24 30:3,12 32:21	<b>experts</b> 7:2 13:18 27:25	<b>find</b> 11:4 15:16 16:15 17:21 19:23, 24 25:1 26:14
<hr/> <b>E</b> <hr/>	<b>equal</b> 42:8	<b>explain</b> 13:3	<b>fine</b> 6:15 26:5
<b>e-mail</b> 26:6 35:25	<b>essentially</b> 4:16 10:18	<b>explanation</b> 26:17	<b>Firestone</b> 34:7 38:12
<b>earlier</b> 25:6 31:25 38:24		<b>exploration</b> 35:17 36:19	
<b>Earth</b> 34:8		<b>explore</b> 11:21 35:24	
<b>edited</b> 7:18			
<b>effects</b> 7:5,8 12:25 13:4			

**In Re: Programmatic Environmental Impact Statement  
Public Hearing Evening Session on 04/26/2012**

Index: fish..higher

<b>fish</b> 16:24 23:5,23	<b>front</b> 25:18 26:11	<b>geophysical</b> 2:5 4:6 5:3 6:21 11:20 12:2,8 26:19	<b>guess</b> 2:1
<b>fisheries</b> 14:8 17:20 23:5, 22,23 24:2	<b>fuel</b> 13:11	<b>give</b> 3:16 7:21 27:18 29:9 31:19	<b>guidance</b> 21:13
<b>Fishery</b> 23:20	<b>fulfilled</b> 41:9	<b>Glad</b> 39:9	<b>Gulf</b> 27:7
<b>fishing</b> 7:6	<b>full</b> 16:12,13, 17	<b>good</b> 9:8 27:10 33:25	<hr/> H <hr/>
<b>five-year</b> 4:12	<b>funded</b> 34:9	<b>government</b> 14:9 24:12	<b>habitat</b> 17:21 23:8,23
<b>Fleming</b> 9:25 10:6,10,13 11:6 26:24 27:2,5,10 33:3,4,13 37:24 38:9, 15,23 39:2,7 41:1	<b>funding</b> 29:16, 20 30:7,25 32:15	<b>government-to-government</b> 32:3	<b>hand</b> 26:4
<b>floor</b> 12:4 19:6	<b>funds</b> 29:21	<b>gradually</b> 16:13	<b>handling</b> 27:8
<b>Florida</b> 8:22 9:3 15:7 19:12	<hr/> G <hr/>	<b>graduate</b> 34:5	<b>happen</b> 5:8 8:12 9:14
<b>focused</b> 5:11 36:22	<b>gas</b> 4:13,17, 22 6:23 8:1 12:13 17:1, 4,15 30:6 35:10,17 36:10,13,16 37:8	<b>Grant</b> 33:14 34:9	<b>happening</b> 13:8
<b>folks</b> 7:4,7 14:24 24:23	<b>geared</b> 16:21	<b>graph</b> 7:21	<b>happy</b> 28:1
<b>follow</b> 18:6	<b>general</b> 14:9 22:18 30:11	<b>graphic</b> 34:21	<b>harder</b> 18:18
<b>forgotten</b> 25:3	<b>generally</b> 16:12	<b>graphics</b> 35:23	<b>he'll</b> 25:21
<b>form</b> 34:21	<b>generate</b> 22:4, 6	<b>gravel</b> 4:15,25 6:24 17:7,8 19:2	<b>headquarters</b> 3:6
<b>formal</b> 3:2	<b>geographically</b> 17:12	<b>gray</b> 8:6	<b>hear</b> 22:8
<b>found</b> 41:24	<b>geological</b> 2:5 4:6 5:3 6:21 11:20 17:4 26:18 35:11	<b>great</b> 35:1	<b>heard</b> 22:13,14
<b>frankly</b> 9:19		<b>greater</b> 8:4 21:24 26:18	<b>hearing</b> 2:3 20:23,25 22:6 29:1,5 33:6 42:13
<b>free</b> 3:23		<b>group</b> 3:20 25:10 36:14	<b>hearings</b> 5:14 24:21,22 27:15 41:7
			<b>held</b> 36:2
			<b>Herndon</b> 3:4
			<b>high</b> 21:8
			<b>higher</b> 14:11

**In Re: Programmatic Environmental Impact Statement  
Public Hearing Evening Session on 04/26/2012**

**Index: Historic..leasing**

<b>Historic</b> 23:15 32:4	<b>impacts</b> 5:7	<b>intense</b> 17:10	
<b>history</b> 35:17	<b>imposing</b> 5:9	<b>intensity</b> 16:18 18:9	<hr/> <b>J</b> <hr/>
<b>hold</b> 5:18 33:7	<b>inbox</b> 41:20	<b>intensive</b> 8:7	<b>Jeremy</b> 34:6
<b>holding</b> 33:5	<b>included</b> 24:10 31:2	<b>interest</b> 7:23 8:4,7,16 9:18,19,24 36:22	<b>Jill</b> 3:3,16 27:21 31:25
<b>honestly</b> 24:18	<b>includes</b> 3:3 14:20	<b>interested</b> 4:21 5:17 8:5	<b>Jim</b> 2:7 6:13 11:10 27:18
<b>hope</b> 25:14,15 34:16 37:9	<b>including</b> 3:12 32:3 38:7	<b>Interior</b> 2:16	<b>job</b> 15:23
<b>Horan</b> 9:6 41:13,17	<b>incorporate</b> 23:13	<b>international</b> 3:10 13:19 29:15 30:4, 12	<b>judgments</b> 9:20
<b>hydrocarbon</b> 8:1 11:25 36:15	<b>incorporated</b> 35:7 38:20	<b>internet</b> 41:15	<hr/> <b>K</b> <hr/>
<hr/> <b>I</b> <hr/>	<b>increase</b> 30:6 31:5	<b>investigation</b> 32:11 35:9 37:8,16	<b>Kim</b> 3:12
<b>IDCOSTB3</b> 36:12	<b>indicating</b> 8:3	<b>investigations</b> 35:16	<b>kind</b> 5:8 20:22
<b>idea</b> 7:22 13:2,15 25:11	<b>industry</b> 4:17, 19 20:7 36:4	<b>involved</b> 31:22	<b>knew</b> 35:12
<b>identified</b> 14:11 21:21 37:7	<b>information</b> 2:24 5:21 6:5,7 7:16, 10:20 12:25 23:2 25:20 26:21 32:7 34:12 37:18 38:2,6,19	<b>involvement</b> 35:18	<hr/> <b>L</b> <hr/>
<b>identify</b> 3:24 4:2	<b>informed</b> 32:9	<b>issue</b> 5:15	<b>laboratories</b> 29:22
<b>identifying</b> 38:3	<b>informing</b> 35:13	<b>issued</b> 25:24 35:6 40:4	<b>larger</b> 17:15
<b>ignores</b> 30:19	<b>instructions</b> 27:19	<b>issues</b> 28:1	<b>larger-scale</b> 7:24
<b>image</b> 12:3	<b>instrumental</b> 35:13		<b>late</b> 28:16 29:12 35:14
<b>immediately</b> 16:12 35:5			<b>laws</b> 26:19
<b>impact</b> 4:4 24:5 32:21 36:24			<b>lawyers</b> 32:15
			<b>learn</b> 5:21
			<b>learned</b> 31:9
			<b>lease</b> 36:2
			<b>leasing</b> 35:19

**In Re: Programmatic Environmental Impact Statement  
Public Hearing Evening Session on 04/26/2012**

Index: left..mine

<b>left</b> 2:12 37:4	24:24 26:20	<b>manager</b> 3:13	<b>meeting</b> 6:11
<b>let all</b> 8:12	31:6 34:13, 24	33:16	24:24 33:14
<b>letter</b> 24:19		<b>mandate</b> 14:9	<b>meetings</b> 5:19
<b>level</b> 9:5 30:7	<b>loud</b> 17:11	<b>manner</b> 33:24	6:5 11:12
<b>Lewandowski</b>	18:9	<b>map</b> 4:8 8:2	24:16 40:9
3:3,19 4:1		14:17	41:10
9:8 10:3,7,	<b>M</b>		<b>Megan</b> 3:5
12,16 11:9		<b>maps</b> 19:21	<b>member</b> 33:18
26:25 27:4,	<b>made</b> 9:10,20	<b>March</b> 5:16	<b>members</b> 37:14
33:11 38:13,	18:3 25:12	10:21 38:14	<b>mentioned</b> 6:16
16,21,25	29:4	<b>marine</b> 3:5,6	13:13 17:18
<b>lighter</b> 8:6	<b>Madsen</b> 3:7	12:22 14:4,	31:25
<b>likelihood</b>	40:3,8,13,	8, 15:23	<b>meteorologists</b>
10:25	21,23 41:5	16:21 17:19	7:4
<b>limits</b> 36:20	<b>Magnuson-stevens</b>	21:15,25	<b>methods</b> 8:14
<b>list</b> 28:5	23:20	22:7 23:5,22	<b>Mexico</b> 27:7
<b>listed</b> 12:20	<b>mail</b> 42:7	24:2,5 34:4	<b>microphone</b>
18:23 21:25	<b>mailing</b> 26:7	35:1 37:25	28:13 33:1
26:11 40:10	<b>major</b> 36:11	<b>Massachusetts</b>	39:18
41:19	<b>make</b> 4:21 11:1	37:15	<b>Mid-</b> 2:6 6:17
<b>listen</b> 20:8,17	12:10 16:6	<b>materials</b>	9:12,21
<b>lists</b> 18:13	20:4 22:18	37:10	<b>Mid-atlantic</b>
<b>lobbying</b> 29:14	23:16 24:9	<b>matter</b> 7:2	4:7 8:20,24
<b>local</b> 40:2	25:21 29:11,	10:8 13:17	35:18 36:1
<b>locally</b> 41:4	24	27:25 28:21	<b>migrate</b> 14:5
<b>long</b> 20:4	<b>makes</b> 24:11	<b>meaning</b> 17:12	<b>migratory</b> 35:1
40:22	<b>mammal</b> 14:4	<b>means</b> 15:20	<b>mile</b> 17:23
<b>Lorraine</b> 9:25	24:5	<b>meant</b> 8:13	<b>miles</b> 18:20,22
27:2 33:4	<b>mammals</b> 15:23	<b>measures</b> 14:1,	<b>million</b> 36:16
<b>lot</b> 3:10 13:5	16:21 21:25	21 29:18	<b>mindful</b> 14:25
17:22 20:3,	22:7 35:2	<b>media</b> 40:3,8,	<b>mine</b> 35:3
21 22:5,10	<b>management</b>	12,13,16	
	2:9,15 9:11	41:4	
	23:20 33:16		

**In Re: Programmatic Environmental Impact Statement  
Public Hearing Evening Session on 04/26/2012**

Index: minor..oral

<b>minor</b> 36:13		22:4,5,13,14	7:3
<b>minutes</b> 28:4	<u>N</u>		
<b>missed</b> 6:6	<b>narrow</b> 37:4	<b>North</b> 8:20	<b>oceans</b> 31:5
10:1 11:5	<b>national</b> 2:18	9:2,15 14:2,	<b>OCS</b> 35:19
25:2 34:12	4:5 14:8	3	<b>offer</b> 6:13
<b>misunderstood</b>	17:19 22:24	<b>note</b> 38:5	27:19
10:11	23:5,15,22	<b>notice</b> 39:24	<b>offered</b> 36:4
<b>mitigation</b>	24:2 32:4	41:2	<b>office</b> 3:4,6,
15:21 23:12	<b>Native</b> 31:1	<b>notification</b>	27:7
29:18 31:1	32:2,10	41:7	<b>offshore</b> 5:1
<b>mitigations</b> 5:9	37:14	<b>November</b> 25:14	29:17 36:23
7:12 8:9,13	<b>natural</b> 31:6	34:11,19	<b>oil</b> 4:13,17
22:21	<b>nautical</b> 17:23	37:13	6:23 17:1,4,
<b>mobile</b> 16:23	18:20,21	<b>number</b> 2:25	14 30:6
<b>moderate</b> 22:1	<b>nearby</b> 22:15	5:3 10:25	35:9,17
<b>modern</b> 30:15,	<b>necessarily</b>	14:20 27:24	36:10,17
19	8:11 26:12	35:16	37:8
<b>moment</b> 4:9	<b>needed</b> 21:7	<u>O</u>	<b>Olsen</b> 3:12
14:17 22:12	<b>NEPA</b> 5:14 6:18	<b>observe</b> 20:4,	<b>one-year</b> 34:5
<b>money</b> 36:5	9:17 24:8	15	<b>operation</b>
<b>monitor</b> 16:2	<b>nest</b> 15:7	<b>observed</b> 21:14	16:5,6,8
<b>monitoring</b>	<b>nesting</b> 19:13	<b>observers</b>	<b>operations</b>
15:18 19:25	<b>news</b> 41:18	15:22 20:2	12:18,19
<b>morning</b> 33:15	<b>nice</b> 3:20	<b>obstructing</b>	13:7
41:18	<b>night</b> 20:16,18	37:3	<b>operators</b> 8:5
<b>motivation</b>	<b>nighttime</b>	<b>obtain</b> 35:5	14:24
29:23	20:14	<b>occurrence</b>	<b>opportunity</b>
<b>move</b> 9:4 15:14	<b>NMFS</b> 17:25	33:6	2:23 16:16
16:18 21:6	24:6,7	<b>ocean</b> 2:9,14	26:2 28:9
<b>multiple</b> 8:4	<b>noise</b> 15:16	12:4 19:6	32:25 39:10
	16:15,17	34:8	<b>optional</b> 15:19
	18:10 20:24	<b>oceanographers</b>	20:10,14
			<b>oral</b> 26:3

**In Re: Programmatic Environmental Impact Statement  
Public Hearing Evening Session on 04/26/2012**

Index: organization..projects

<b>organization</b>	35:8	<b>point</b>	2:22	27:12 34:1
37:5			5:25 6:11	
<b>organizations</b>	3:9 27:13	<b>people</b>	2:25	<b>Preservation</b>
30:1 31:13	28:3 29:24		25:16 26:8,	23:15 32:5
39:21	30:17,24		21 27:24	
<b>original</b>	30:16		31:5	<b>press</b>
				40:4,19,
<b>Outer</b>	2:18		<b>pointed</b>	21
3:11 35:10			34:22	<b>presume</b>
<b>outlets</b>	40:14		<b>pointing</b>	33:19
			11:10	<b>pretty</b>
<b>overview</b>	32:6		<b>points</b>	38:11
			29:11	<b>primarily</b>
			31:17	34:6
			<b>Policy</b>	<b>primary</b>
			4:5	35:2
			22:24	<b>prior</b>
				38:14
			<b>permitted</b>	<b>problem</b>
			17:3	15:2
			<b>permitting</b>	<b>procedures</b>
			9:5	41:7
			<b>personally</b>	<b>process</b>
			30:21	4:12
			<b>perspectives</b>	5:15 30:24
			13:20	31:2 32:4,10
			<b>physical</b>	<b>processes</b>
			7:3	30:10 31:24
			<b>pick</b>	32:1
			34:11	<b>produce</b>
			<b>pile</b>	24:8
			4:22	<b>professional</b>
			<b>pinpoint</b>	34:14
			17:13	<b>profit</b>
			<b>pipe</b>	29:24
			37:11	<b>program</b>
			<b>places</b>	33:16
			14:7	34:9 35:19
			30:16,17	<b>programmatic</b>
			<b>plan</b>	2:4 5:6
			25:25	<b>project</b>
			<b>planning</b>	3:12,
			4:8,	17 5:22,24
			13,14 8:19,	26:9 30:8
			24 9:2 33:21	<b>projects</b>
			34:4 37:25	5:2
			<b>play</b>	9:15 19:1
			21:2	
			<b>pocket</b>	
			4:23	
			12:13	
			<b>preparation</b>	
			38:4	
			<b>presentation</b>	

**In Re: Programmatic Environmental Impact Statement  
Public Hearing Evening Session on 04/26/2012**

Index: prompted..requested

<b>prompted</b> 39:3	37:12,19,22	<b>ranging</b> 36:8	<b>Register</b> 39:25
<b>propose</b> 19:7	39:14,15,19	<b>rare</b> 33:6	41:3
<b>proposed</b> 6:19, 25 7:7 12:24	40:6,11,16, 22	<b>rate</b> 33:21	<b>registered</b> 27:22 28:9
<b>proposing</b> 18:7	<b>purpose</b> 5:10	<b>read</b> 24:19	32:24
<b>protect</b> 14:2, 10,22 31:8	<b>pursue</b> 32:2 41:8	<b>reading</b> 6:3,4	<b>registration</b> 2:12
<b>protected</b> 23:18	<b>pushing</b> 29:20	<b>real</b> 21:18	<b>related</b> 30:14
<b>protection</b> 2:18	<b>put</b> 4:22 5:20 7:16 10:18	<b>reason</b> 33:8	<b>released</b> 10:21
<b>protective</b> 7:14,15	11:11 14:13 16:18	<b>receipt</b> 3:2	<b>releases</b> 40:20
<b>protocol</b> 19:23 21:10	<b>putting</b> 12:6	<b>receive</b> 10:15 40:19 42:6	<b>remind</b> 5:24 42:3
<b>protocols</b> 21:8,9	<hr/> <b>Q</b> <hr/>	<b>received</b> 11:12 24:19 26:15 40:17,19	<b>renewable</b> 4:14,19 9:14 19:1
<b>provide</b> 2:24 15:9 16:22 26:3 28:25 31:16	<b>quality</b> 7:4	<b>recognize</b> 20:2	<b>renewables</b> 6:24 12:5 17:6,8
<b>public</b> 2:3 3:8 5:14,19 6:4, 11 7:19 10:24 11:12 24:16, 28:21 29:19 39:24 41:7	<b>question</b> 9:8,9 10:4 30:23 31:11,18,21 41:14	<b>Recognizing</b> 31:4	<b>renewed</b> 36:21
<b>publish</b> 39:24	<b>questions</b> 3:21,23 6:14,15 26:22 27:25 41:11	<b>recommendation</b> 13:2	<b>renourishment</b> 5:2
<b>Purchase</b> 28:13,14,15, 19,22 29:3, 10 32:9,22	<b>quickly</b> 33:18	<b>recommendations</b> 30:12	<b>replicated</b> 11:3
	<hr/> <b>R</b> <hr/>	<b>record</b> 3:25 4:2 5:20 6:15 25:23 28:21	<b>report</b> 35:16 38:12,17
	<b>raised</b> 25:2	<b>reduction</b> 30:9	<b>reporter</b> 3:24 33:2
	<b>ramp-up</b> 16:10	<b>referred</b> 37:13	<b>request</b> 28:24 29:13 32:15
	<b>ranged</b> 24:22	<b>regard</b> 38:4	<b>requested</b> 6:22 29:11 32:10 37:22
	<b>ranges</b> 22:6	<b>region</b> 35:18 40:5	
		<b>regional</b> 27:7 40:13,16	

**In Re: Programmatic Environmental Impact Statement  
Public Hearing Evening Session on 04/26/2012**

Index: requests..snapshot

<b>requests</b> 25:23	<b>retired</b> 34:2	30:3,4	<b>short</b> 11:19
<b>require</b> 15:12, 17,22 20:1	<b>review</b> 7:17	<b>sea</b> 15:7,23	<b>show</b> 4:9
<b>required</b> 16:10 20:20	<b>revisions</b> 10:25	16:22 19:13	14:16,17
<b>requirement</b> 30:5	<b>Robin</b> 3:13	22:1,7 33:14	24:15
<b>research</b> 29:16,17,21, 22 30:25 31:19 32:8	<b>robust</b> 10:19 23:7	34:9,24	<b>showed</b> 19:20
<b>resolution</b> 21:9	<b>room</b> 30:22	<b>seal</b> 16:4	<b>shows</b> 19:11 36:13,15
<b>resource</b> 7:9, 14 13:4,6,16 21:21 32:12 36:23	<b>routine</b> 12:18, 19,23 13:7	<b>seismic</b> 4:17, 6:20 7:24 9:5 12:2 13:12 15:21, 25 17:3 18:4 19:3,22 21:10 22:3	<b>shutdown</b> 16:5
<b>resources</b> 2:18 5:1 7:5 8:1 11:25 23:16 30:14 31:7,8	<b>ruled</b> 37:3	<b>self-police</b> 28:4	<b>signed</b> 2:21
<b>respond</b> 10:22 11:7,9,14 25:6 31:12, 17 32:20	<b>Ruth</b> 28:12,14 39:15	<b>send</b> 26:7	<b>significant</b> 36:10,15
<b>response</b> 25:7 37:19,23	<hr/> <b>s</b> <hr/>	<b>separate</b> 4:12 9:17	<b>similar</b> 25:10
<b>responsible</b> 2:17	<b>sacred</b> 30:17	<b>separation</b> 15:10,13 21:3	<b>single</b> 6:3
<b>restrooms</b> 2:12	<b>safely</b> 12:14	<b>Service</b> 14:8 17:20 23:5, 6,22 24:2	<b>sit</b> 15:24
<b>resulted</b> 4:15 25:18	<b>Safety</b> 2:10	<b>services</b> 23:10	<b>sites</b> 4:20,21
<b>Results</b> 36:14	<b>sale</b> 36:2,3	<b>Shelf</b> 2:19 3:11 35:10	<b>sitting</b> 33:15
	<b>sales</b> 36:2	<b>shipwreck</b> 12:12	<b>situation</b> 30:20
	<b>sand</b> 4:15,25 5:1 6:23 17:6,8 19:2	<b>shipwrecks</b> 23:17 30:15	<b>slashed</b> 18:19
	<b>scale</b> 17:9,12	<b>shore</b> 17:24	<b>slide</b> 19:11
	<b>scenario</b> 8:15		<b>slides</b> 27:3
	<b>schedule</b> 5:13		<b>slow</b> 18:1 21:14
	<b>Schuricht</b> 3:13		<b>slowed</b> 32:11
	<b>science</b> 12:24 30:19		<b>small</b> 3:20 36:10
	<b>scientists</b>		<b>smaller</b> 17:9, 12 19:4
			<b>snail</b> 42:7
			<b>snapshot</b> 21:19



**In Re: Programmatic Environmental Impact Statement  
Public Hearing Evening Session on 04/26/2012**

Index: socioeconomic..things

<b>socioeconomic</b> 7:5	<b>species</b> 14:4, 22 16:23 23:3,8	<b>strike</b> 14:23 21:12	26:17
<b>software</b> 20:21		<b>structure</b> 36:11	<hr/> T <hr/>
<b>solicit</b> 5:17	<b>specific</b> 22:17 32:7	<b>students</b> 34:6	<b>table</b> 13:23 21:22 33:15
<b>soliciting</b> 6:12	<b>spill</b> 13:12	<b>study</b> 34:5	<b>takes</b> 15:3
<b>sort</b> 4:12 7:21 8:2,14,15 14:12 16:24 18:4 23:14	<b>spoken</b> 39:12	<b>stuff</b> 35:20	<b>talk</b> 4:3
<b>sorts</b> 7:2 16:20 23:17 24:9	<b>staff</b> 33:18 34:15	<b>subject</b> 7:2 13:17 27:24 29:15	<b>talked</b> 31:24 <b>talking</b> 4:10 34:16 37:24
<b>sound</b> 15:25 17:9 22:5	<b>stairs</b> 2:11	<b>submit</b> 33:22	<b>talks</b> 28:9
<b>source</b> 15:25 18:8	<b>standard</b> 14:21 15:20 19:22 41:6,17	<b>substrate</b> 12:1,10	<b>target</b> 36:11
<b>sources</b> 16:11 17:10 22:5	<b>start</b> 6:2 16:8 20:16,18 28:12	<b>suite</b> 14:1 22:25	<b>teaching</b> 14:24
<b>South</b> 2:6 4:7 6:17 8:21,23 9:12,21	<b>started</b> 16:6	<b>summary</b> 35:21	<b>technical</b> 34:14
<b>spatial</b> 34:4 37:25	<b>State</b> 33:1	<b>supposed</b> 21:13 27:6	<b>techniques</b> 5:4 12:9
<b>speak</b> 27:22 28:10 32:25 39:11,13 42:11	<b>statement</b> 4:4 5:20 32:21	<b>surface</b> 11:22, 23 20:5	<b>technology</b> 20:8,11 21:1
<b>speaker</b> 27:22 28:9	<b>States</b> 2:16	<b>survey</b> 12:2,3, 8 17:13 18:4,8 19:23 21:9,10 24:3,4 26:18,19 35:12	<b>tells</b> 12:25
<b>speakers</b> 28:5 32:24	<b>status</b> 16:13 38:4	<b>surveys</b> 4:17, 20 5:11 6:21 7:25 8:5,7 9:5 15:11 17:4,8 18:24 19:3,5 22:3	<b>tend</b> 17:9 19:3
	<b>statutes</b> 22:25		<b>terms</b> 37:16
	<b>stays</b> 10:8		<b>thing</b> 23:14
	<b>step</b> 32:25		<b>things</b> 6:6 7:18 9:13 12:5,22 13:8,15 15:1,3,5,16 16:20 17:5 23:17 24:9 25:1 27:13 33:23 39:3
	<b>steps</b> 24:13		
	<b>stick</b> 28:2		
	<b>stop</b> 3:23		
	<b>straits</b> 8:21 9:3		

**In Re: Programmatic Environmental Impact Statement  
Public Hearing Evening Session on 04/26/2012**

Index: thinking..written

41:19	trade 34:2	University 34:7	weeks 40:24
thinking 31:7	trained 13:18		wells 36:8,9
Thirdly 30:13	training 20:21	utilize 18:5	whale 14:3,10, 11 15:5 16:3 17:17,21 21:14
thought 10:13 21:5 25:3 33:8	transcripts 6:4 24:20 28:17, 20	<hr/> v <hr/>	
thoughts 25:11	trash 15:1	validity 29:18	Whales 19:19
till 20:16	treat 42:8	valuable 30:13	Wildlife 23:6
time 2:23 8:12 9:17 10:19 15:11 17:7 19:16,18 20:4 24:17 27:20 29:1	treated 42:8	versus 19:24	Wilmington 40:1,2
	triangulate 20:23	vessel 13:12 14:22 15:24, 25 16:1 20:25 21:12	wind 12:6 36:23 37:4,5
	tribes 37:14	vessels 18:1,2	wisdom 30:18 31:9
	true 10:17	visual 20:2	wondering 28:17 33:9 34:3 36:20
timeline 32:13	turbine 12:6	visually 20:15	
times 18:11, 12,15,22 20:20	turn 3:15 16:11 27:17	<hr/> w <hr/>	word 39:21
tiny 13:23	turtle 16:4 19:13	wait 20:16	work 3:10 23:4,10,21 29:25 35:7,8 38:23
today 6:10 26:2 30:20 42:5	turtles 15:7, 24 16:22 22:1,7	wanted 5:5 20:10 33:5	working 34:6, 19
told 27:8	<hr/> u <hr/>	Washington 3:4	workshop 34:10 37:13
tonight 4:3 30:23 31:13	understand 2:21 29:23	water 20:3	world 14:5
top-level 21:18	understanding 39:25	ways 31:4	write 13:1 26:12
total 36:3,8, 16	understood 30:2,18	WEAS 37:5	written 5:18 11:13 24:14 26:4
tourism 30:15	United 2:15	web 42:7	
tracts 36:4,6		website 26:9, 11,14 27:3 28:22,24 29:8 40:10	
		week 27:7,9 29:2	

---

**Y**

---

**year** 15:8  
25:15,25

**yesterday**  
39:22

---

**Z**

---

**zone** 20:15