

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

LISTENING SESSION NO. 2
BUREAU OF OCEAN ENERGY MANAGEMENT
and
BUREAU OF SAFETY AND ENVIRONMENTAL ENFORCEMENT

Anchorage, Alaska

Taken June 7, 2013
Commencing at 5:15 p.m.

Volume I - Pages 1 - 54, inclusive

Taken at
Barrow City Assembly Chambers
Barrow, Alaska

Reported by:
Mary A. Vavrik, RMR

A-P-P-E-A-R-A-N-C-E-S

Tommy Beaudreau
Assistant Secretary of the Interior
BOEM Director

Pat Pourchot
Senior DOI Representative for Alaska

Dr. James Kendall
BOEM Alaska Regional Director

Mark Fesmire
BSEE Alaska Regional Director

David Johnston
BOEM Alaska Supervisor for Leasing & Plans

Michael Routhier
BOEM Alaska Program Analysis Officer

Michael Haller
Tribal and Community Liaison

Lakeisha Harrison
BSEE Representative

Taken by: Mary A. Vavrik, RMR

BE IT KNOWN that the aforementioned proceedings were taken
at the time and place duly noted on the title page, before
Mary A. Vavrik, Registered Merit Reporter and Notary
Public within and for the State of Alaska.

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

2 MR. MICHAEL HALLER: Well, ladies and
3 gentlemen, welcome tonight to our second Barrow session.
4 And this is scheduled to run from now until 7:30, if need
5 be, and perhaps longer if we need to stick around,
6 depending on what you have to contribute. My name is
7 Michael Haller. I am the tribal liaison for the Bureau of
8 Ocean Energy Management. And, you know, I just remembered
9 a moment ago that we had an invocation earlier for the
10 earlier session. I'm wondering -- I'm looking at you,
11 Willard. Would you mind offering an invocation for us
12 tonight to bless our meeting?

13 MR. WILLARD NEAKOK: Sure.

14 (Invocation offered by Willard Neakok.)

15 MR. MICHAEL HALLER: Thank you very much.
16 I'm going to make a few introductions because some of you
17 were not here earlier today. And I'll just start, first
18 of all, with our Assistant Secretary of the Interior Tommy
19 Beaudreau, and then over to his left is Mark Fesmire, the
20 Regional Director for the Alaska Region of the Bureau of
21 Safety and Environmental Enforcement. And to his left is
22 Dave Johnston, one of our BOEM officers in the Alaska
23 Region. And coming around the corner over there, the lady
24 who wants you to speak very clearly and may ask you to
25 spell it is Mary Vavrik, our court reporter. And to her

1 left is Mike Routhier, one of our BOEM officers in the
2 Anchorage office in the Alaska Region. And to his left is
3 Lakeisha Harrison. And Lakeisha is a BSEE officer from
4 the Washington, D.C. area.

5 And then I come back around here, and next to
6 the Secretary to his right is Pat Pourchot, our senior
7 federal Department of the Interior officer for Alaska, and
8 then my boss to my left is Dr. James Kendall, the Director
9 for Alaska Region BOEM. Thanks.

10 Mr. Secretary.

11 MR. TOMMY BEAUDREAU: Good evening,
12 everyone. Thank you very much for spending some time with
13 us this evening on a Friday night. That is a sacrifice,
14 and I appreciate you spending some time with us.

15 Let me describe briefly what the purpose of our
16 outreach and our listening session is, and then I'd like
17 to turn it over to each of you to provide us with your
18 thoughts, your comments, which is really the most
19 important part. This is the reason why we have Mary
20 taking down the information and the thoughts that we
21 receive because the way we want to use this information is
22 to take it back and reference it. So we want to have a
23 good record of our conversation this evening. You will
24 see, you know, each of us will be taking notes, as well.
25 I've already got half a note pad filled from our earlier

1 session this afternoon.

2 So again, thank you for coming. Let me tell you
3 a little bit about what we are doing and give you
4 basically an update on where things stand with offshore
5 oil and gas in the Beaufort and the Chukchi Sea. As
6 everyone here knows, Shell last year embarked on drilling
7 programs in both the Beaufort and the Chukchi Sea. Their
8 Burger prospect in the Chukchi and their Sivulliq prospect
9 in Camden Bay in the Beaufort. Shell, as you may know,
10 was not able to deploy its subsea containment system as
11 they committed to do and as we required them to do because
12 we felt it would be extremely important for any oil
13 drilling exploration operation in the Arctic to have on
14 site the ability to cap and contain a well in the event
15 the company lost control of that well. And so it was a
16 critical -- in our minds, a critical emergency response
17 system and equipment. And because Shell was unable to
18 deploy that equipment, it failed its deployment test.
19 Mark Fesmire was there to witness it, witness that
20 failure.

21 We did not allow Shell to drill in the
22 hydrocarbon. We did not allow them to drill through the
23 rock to where the oil may be because they weren't prepared
24 to deal with the contingency associated with that
25 activity.

1 And so we did allow them to start a well, one
2 well each in the Beaufort and the Chukchi, but only to
3 drill into rock and essentially start a well with the idea
4 that perhaps in the future they may come back and try to
5 complete those wells.

6 Then, as you know, they had a series of mishaps.
7 There were problems with the Noble Discoverer drill rig
8 which they used in the Chukchi Sea based on inspection by
9 the Coast Guard in Seward. And as everyone knows, they
10 lost their tow on the Kulluk moving from Dutch Harbor, and
11 the Kulluk grounded near Kodiak. And that's part of an
12 ongoing Coast Guard investigation, the reasons why that
13 happened.

14 But all of those incidents and shortcomings led
15 my boss at the time, Interior Secretary Salazar, to ask me
16 to go back, take -- review Shell's program and develop a
17 set of lessons learned coming out of the 2012 experience.
18 And we did that, and we put it in a report that I
19 delivered to the Secretary on March 8th. Included within
20 the report are a number of principles and findings, some
21 of which were recommendations to the Secretary vis-a-vis
22 industry. Others were actually us looking inward on what
23 we should do better as government regulators.

24 And one of the recommendations that we basically
25 had for ourselves was the need to develop standards and

1 regulations and put them in rules that are specific for
2 working in the Alaskan offshore environment. We had a
3 number of Arctic-specific standards that we imposed on
4 Shell, including the containment system, but we did that
5 through conditions on their exploration plans. And then
6 from a regulatory perspective, I think, was satisfactory
7 with respect to Shell's program last year, but what we
8 said and what we committed to with the Secretary is we
9 need to take those rules, look at them, improve on them
10 where necessary, to capture other issues as well, and put
11 them in regulations so that they apply not only to Shell,
12 but to any operator who would seek to do activity offshore
13 Alaska.

14 We know Shell may repropose activity. I think
15 it's likely that they will repropose activity to complete
16 those wells that they started, as well as potentially to
17 drill new ones. We know ConocoPhillips is out there, as
18 well, although they recently said they would not go
19 forward any sooner than 2015. And then there is other
20 leaseholders such as Statoil that have leases in the
21 Chukchi and may wish to propose activity in the future.

22 And so what we are doing right now is working to
23 codify the standards that we imposed on Shell, evaluate
24 additional measures that we would put in the regulations.
25 We want to do this by the end of the year because we want

1 to have at least proposed rules for everyone to look at
2 and comment on by the end of the year so that we are
3 putting those operators on notice of what our expectations
4 are. We think we have been actually quite clear with them
5 what our expectations are, but we will go ahead and put
6 them into a regulation, as well.

7 The reason we are meeting is there will be that
8 formal rule-making process where we propose a draft rule,
9 we put it out to the public for comment. The public
10 provides us comment, we consider it, we work to finalize
11 the rule. That's the normal rule-making process, and we
12 will do that. But we all, everybody here, felt it was
13 extremely important to talk to stakeholders and in
14 particular North Slope communities early on at the outset
15 of this process and get input on what we should be
16 thinking about as we are actually drafting the proposed
17 rules and take that into the process and let that help
18 guide us early on.

19 And so that is actually -- as far as, you know,
20 federal government rule making goes, that's actually an
21 unusual step to be taking, but we thought it was extremely
22 important to do that, given how important it is to ensure
23 that any offshore exploration activity that happens here
24 is done safely and is done responsibly. Everybody here
25 appreciates how important the ocean environment is to the

1 communities here in a way that I think is unique and not
2 like anyplace else in the United States where people are
3 very closely connected to the ocean. It is, I hear over
4 and over -- and it's, in fact, true -- that the ocean is
5 your garden. It's where you go for sustenance. It's
6 where you go for subsistence. And that raises the stakes
7 significantly in our minds. And we need to be protective
8 of that, and any activity that goes forward in terms of
9 oil and gas offshore needs to be held to the high
10 standards. And that is the undertaking that we are
11 involved in today.

12 And so thank you very much for attending, and I
13 would really appreciate hearing anything you have to say.
14 We have lots of time. You shouldn't feel constrained and
15 you should, I hope, be willing to share with us whatever
16 is on your mind.

17 The last point I'll make -- and I've said it
18 before earlier today in our earlier session. I have
19 tremendous appreciation and respect for each of you
20 attending this hearing tonight. This is in part how our
21 democracy works. It can feel bureaucratic. It can feel
22 formal, unnecessarily formal, maybe, but this is our
23 democracy at work. This is people interacting with their
24 government to tell their government what we ought to be
25 doing in order to protect the people. And so I appreciate

1 very much and I respect very much your willingness to
2 participate in this democratic process.

3 So with that, I turn it over and I look forward
4 to the most important part of the session, which is
5 hearing from you. Thank you. --

6 MR. MIKE HALLER: Thank you,
7 Mr. Secretary. Willard, you are first up on the docket.
8 And while he's coming up, let me add that any of you are
9 welcome to come and share your ideas, opinions, concepts.
10 There is no wrong or right answer here. It's what you
11 have on your mind and in your hearts. So we invite you to
12 do that tonight. And I'll call -- we'll open it up as
13 soon as Willard is done. Thank you.

14 MR. WILLARD NEAKOK: Thank you for
15 coming up to Barrow to hear testimony about offshore
16 drilling. My name is Willard Neakok, N-E-A-K-O-K. I'm
17 the President of Point Lay IRA Council, which is federally
18 recognized. That's one of many hats that I wear in my
19 community. But, you know, ever since I started hearing
20 about oil lease sales going on, you know, how many years
21 ago, you know, and it just raised a red flag for me. You
22 know, what are they going to do to our ocean? What's
23 going to happen? What might happen.

24 And -- you know, I feel for those people down
25 there at Prince William Sound, also, you know, down in

1 Louisiana with the Deepwater Horizon event. You know, I
2 do not want to have that happen here. You know, ever
3 since day one since I've heard about offshore drilling up
4 here in our ocean, Chukchi Sea, which is only 75 miles
5 from where the Burger prospect is -- we're halfway between
6 here and Kotzebue, which is 83 miles from here, and you
7 know, we are the closest impacted village, you know, to
8 that Burger prospect.

9 Also talking about Burger prospect, you know,
10 right there there is a shoal called Hannah Shoal and, you
11 know, the walrus go there to feed on clams and whatever
12 else they might go there for. And they spend about four
13 or five days, maybe up to a week to feed. And as you
14 heard, back in 2009 Point Lay had, you know, a walrus
15 haul-out happen, you know, five miles north on our barrier
16 island. And we inadvertently became stewards of those
17 walrus because we did not want to have, you know, the
18 media coming in. NBC sort of beat us to that, but we
19 wanted only one, you know, media to come in and record,
20 and everybody else can go off of that. But we made sure
21 that there was no, you know, flights going in and out,
22 tourists coming in. We are stewards.

23 And those are one of my hats that I wear, too.
24 I am a commissioner for the Eskimo Walrus Commission. We
25 meet at least twice a year in Anchorage or in Nome. And

1 you know, I am a hunter. I am a subsistence hunter. I go
2 out to the ocean. I hunt seals. I hunt beluga. I hunt
3 walrus. I hunt sea birds. And also I'm a crew member for
4 one of our whaling crews down there, which consists of two
5 whaling crews.

6 You know, I think of the future. What if
7 something happens, not -- you know, like Prince William
8 Sound. You know, I know the Deepwater Horizon event, you
9 know, because the depth of the water around there is only
10 like 175, 190 feet below the surface. But still, you
11 know, any kind of oil spill that happens, you know, it
12 jeopardizes the food chain. We lose one source of food,
13 you know, microbes, and it goes further onto the krill.
14 Krill, you know, feeds different animals, the ducks,
15 whatever, and seal, and it goes further up the chain. And
16 the whales, you know, they are air-breathing animals just
17 like the beluga and the seal. You know, if they come upon
18 a patch of oil and suck that oil into their lungs, you
19 know, what happens then? You know, we lose whales.

20 You know, I -- I love our ocean. I want my
21 grandchildren to do what I have enjoyed doing since 1973.
22 You know, I am an avid hunter. I go out every year. I'm
23 only 58 years old, and 30 of those years have been here on
24 the North Slope. Or I should say 40. And I want my
25 children, my grandchildren to enjoy the things that I have

1 enjoyed. And if we lose the ocean, Chukchi Sea, you know,
2 we -- we lose another food that we subsist off of.

3 I hunt caribou. I hunt wolverines, wolves,
4 bear, brown bear and polar bear but, you know, it doesn't
5 taste more better from the ocean. It's natural. It's
6 clean. You know, but even my grandkids love the food that
7 I harvest, not only from the land, but also from the
8 ocean.

9 You know, it just -- I sure hate to see the
10 worst case scenario like what happened in Prince William
11 Sound. Those people are still -- I don't know how you
12 might say it -- recovering. But yet, you know, you dig
13 down two feet and there is still oil remnants,
14 hydrocarbons still underneath.

15 We have 11 inlets that -- you know, we are
16 accessible to the ocean. We live on the mainland, but we
17 have Kasegaluk Lagoon, which is an 80-mile stretch of
18 lagoon that goes from the foothills down south about 30
19 miles from our village all the way up to near Wainwright,
20 which is considered the longest lagoon in the world. And
21 there are 11 inlets. And every year we have birds
22 migrating from down south coming up and utilize that
23 lagoon. The walrus use that lagoon to get out of storms
24 that happen in the ocean because I've witnessed it quite a
25 few times during my 40 years. The belugas go in there

1 and, you know, as well as, you know, ducks, geese. We
2 have a wide variety of waterfowl that utilize that lagoon.

3 And you know, if oil happens to, you know, worst
4 case scenario, have an oil spill, it's going to jeopardize
5 that lagoon. We utilize that lagoon every year. We go
6 all the way up to Icy Cape, sometimes even all the way to
7 Wainwright. You know, it's sort of like a somewhat safe
8 trail in case the ocean is too rough to travel. We
9 utilize that lagoon to harvest caribou along the mainland
10 shore. We harvest off of the barrier island that is
11 there. We harvest eggs, which is going on right now this
12 time of year. You know, we don't have to go to the store
13 to buy eggs. You know, there is a wide variety of
14 seagulls, geese, ducks, terns.

15 You know, we subsist off the land. We subsist
16 off the ocean. If we lose that ocean, what is going to
17 happen? Is the federal government to do -- do a thing
18 like -- or Shell is going to provide money to each and
19 every resident to offset the cost of food? That's what's
20 going on in Prince William Sound, Cordova. Those are the
21 things that I think about. I sure hate to be one of those
22 recipients like down there in the Cordova area or the
23 Prince William Sound area where, you know, none of the
24 wildlife has begun to come back yet because of the sheen
25 or smell.

1 You know, fish are -- fish are very sensitive to
2 smell just like, you know, birds and everything. They
3 know something is wrong. And that's why -- I think that's
4 why Prince William Sound, there is hardly anything going
5 on down there right now after 26 years, not only from --
6 you know, Exxon Valdez ran aground. You know, what's
7 going to happen if they try to, you know, take this stuff
8 to the Lower 48 or build a pipeline from the west coast to
9 Trans-Alaska Pipeline and we have a spill? Not only in
10 the ocean, but maybe a spill along the way, you know,
11 that's going to jeopardize the waterfowl that we have, the
12 endangered birds that we have there, spectacled eiders.

13 You know, there is a lot at stake here
14 because -- you know, I'm not only speaking for myself, but
15 I'm also speaking for our village of Point Lay, which also
16 is -- the majority of people there, you know, are against
17 offshore drilling, not to mention if they do have an oil
18 spill, you know, we have currents out there that can carry
19 that water, that oil-soaked water down to the Bering Sea,
20 and it's going to be affecting, you know, those
21 communities; not only us, but our Russian counterparts and
22 maybe, you know, Greenland or Norway or whatever. Just in
23 case, you know, they are unable to cap, like what happened
24 down there in Louisiana with the Deepwater Horizon, you
25 know, it's going to be affecting a lot of people along the

1 coast.

2 I love the coast. I love to travel by
3 snowmachine, but mostly by boat, you know, to see the
4 wonderful things that God has provided for not only me
5 but, you know, the Inupiat people all across the Slope.
6 I'm not only talking about the west side, but I talk
7 about, you know, Nuiqsut and Kaktovik because, you know, I
8 am very against offshore drilling. I hate to see what
9 might happen in the future, what's going to happen in case
10 worst case scenario if you have an oil spill.

11 But I believe, you know, if there is going to be
12 drilling, I know the United States and the world needs
13 hydrocarbons to keep gas, diesel, whatever to keep our
14 outboards going, our cars, our trucks, our power plants.
15 I know the demand that is needed but, you know, let's stay
16 off the ocean, especially in Chukchi and Beaufort Sea.
17 Let's drill on land first. Who knows how much more oil is
18 underneath the ground first? You know, hopefully, you
19 know we find -- oil companies or whoever goes and looks
20 for oil, I hope they find everything on land, because I
21 don't want to see oil rigs like I do down there in Cook
22 Inlet, oil rigs here and there. Our ice gets pretty
23 thick, but nowadays with global warming we might even
24 start seeing oil rigs here and there.

25 Shell, ConocoPhillips, as the Secretary has

1 mentioned, and Repsol, three different companies that
2 wants to put platforms out there and start pumping out the
3 oil. I know the world needs fuel but, like I said
4 earlier, do it on land first because it jeopardizes the
5 food that we subsist off of each and every year. And I
6 want to have my grandchildren enjoy that, too, like I
7 mentioned earlier.

8 I just want to thank you for your time. And if
9 I have anything more, hopefully I can come back up here
10 and, you know, speak what I may have forgotten. With this
11 old age, you know, it's pretty easy to forget some things.
12 But you know, I just don't want to forget that what I can
13 do for my grandchildren today, you know, that will affect
14 their lives tomorrow. So thank you for your time.

15 MR. MIKE HALLER: Thank you, Willard.
16 Ladies and gentlemen, a few more have joined us since we
17 began, and I would make the same offer for everyone. That
18 is, if you have not signed up to come and speak, you are
19 welcome to come and speak. And we will start with a
20 volunteer. Anybody like to step forward? Please, ma'am.
21 Thank you very much.

22 MS. MARTY AWALIN: I'm from the same
23 village as Willard. I'm the President and CEO for Cully
24 Corporation, the Native Village corporation of Point Lay.

25 MR. MIKE HALLER: Thanks for coming down.

1 MS. MARTY AWALIN: I missed the hearing in
2 Anchorage, so I was here in Barrow, so I decided I should
3 stay longer and give you my -- some of my aches and pains
4 regarding this oil drilling that I'm -- some of the issues
5 we face with those. One thing is I want it noted that
6 Point Lay is on the Chukchi Sea coast, as all the other
7 villages of Point Hope, Wainwright and Barrow. And I want
8 it noted that these are private lands all along the
9 Chukchi Sea side, and I have not seen any industry come
10 and work directly with the corporation because of these
11 private lands we have also.

12 And as Willard stated out the concerns of Point
13 Lay, Kasegaluk Lagoon -- and also Fish & Wildlife gave it
14 a different name as Ledyard Bay. And within Ledyard Bay
15 there is a lot of stipulations in regards to it being a
16 sanctuary for the Steller's eider ducks, and it has
17 created a problem for us. And with the oil drilling going
18 on, our hand is forced on this. The corporation is forced
19 to deal, and proactively -- we decided we are going to
20 have to approach this proactively.

21 And being proactive, one of the things we wanted
22 to do was see that our community is trained in oil spill
23 response. But when speaking to Shell Oil, they said they
24 could not do anything within the Ledyard Bay area because
25 of the Steller's eiders being -- being that is a Steller's

1 eider sanctuary in that area. So therefore Shell, got
2 dinged. I guess they got fined for being too close to the
3 Ledyard Bay lagoon this past -- last summer. So with that
4 concern, on that basis they have to send our people to
5 Wainwright for oil spill response training. And it really
6 bothers me. We cannot allow our own community in Point
7 Lay to have training for oil spill response.

8 So we need help on this one. I shouldn't have
9 to send local people to train how to put out a boom, you
10 know, out in Wainwright when, you know, Point Lay is of
11 concern to us. So I know we are close to the NPR-A
12 boundary. I think Point Lay should be given status as --
13 as an NPR-A boundary with all the other villages. So with
14 that, that would help also our community. And not only
15 the community, but also the tribal government to receive
16 some kind of funding for whether there would be training
17 or if they need some type of response, you know, funding
18 for that community.

19 It needs to be -- it needs that status as well,
20 because, as Willard says, we are 93 miles out of
21 ConocoPhillips' leases, 120 miles out of Shell's lease
22 tracts on the Chukchi Sea. So we need some -- we need
23 help in getting this village the same status. We need it
24 because if an oil spill occurs, one of the things -- one
25 of the traditional hunters tell me if a west wind occurs,

1 if an oil spill happens -- God forbid, I hope it never
2 does -- the west wind -- if the west wind were to occur,
3 it would go directly to our community. So that's one of
4 the concerns I want to bring to this.

5 And now after reading the Shell Oil response
6 plan that they have, you know, Point Lay or Point Hope,
7 you know, is not in that spill response. We see a lot of
8 Wainwright and Barrow. You know, we are in the same
9 vicinity as Wainwright and as Barrow. So we would like to
10 see Point Hope and Point Lay cooperate. I'm not speaking
11 for Point Hope, but I think because they are being on
12 Chukchi -- they are being located on the Chukchi Sea side,
13 they should be listed on that oil spill response. It
14 bothered me so much that I did not see much of Point Lay
15 on that oil spill response.

16 And also one of the things that was mentioned
17 was infrastructure. I know there is a lot of concern in
18 regards to infrastructure within the communities. And I
19 want to see whether -- how or where we could work -- the
20 communities could work as far as the planning. If this
21 were to occur, we are in need of infrastructure within our
22 communities. And I'd like to see some -- at least visit
23 the villages. There is a lot of you here in Barrow a lot,
24 but come to the communities, too, because they do have
25 concerns, too, as I do. And we will -- as a corporation,

1 you know, we want to be in preparation for all of this.
2 And it seems like we are -- we are not being listed on
3 like the oil spill response as a community. You know, it
4 seems like it puts a road block up to -- for the oil
5 companies to come and talk to us.

6 You know, I see Wainwright a lot listed on that
7 oil spill response and, boy, everybody is going over
8 there. And I say what about Point Lay, you know, because
9 we are not so much listed in that oil spill response, and
10 it bothered me. They need to come to our community. We
11 need to be listed on there. And we want to make sure that
12 we are going to be protected.

13 And like I said, our hand is -- our hand is
14 forced when the government let out the leases. So
15 therefore, we want to be proactive on this, I do, as a
16 corporation, because our corporate lands are going to be
17 affected. We are on the coastline.

18 And one other thing I wanted to mention, with
19 the concerns of what happened in Valdez versus what
20 happened in Gulf of Mexico, there is a big difference when
21 it comes to ocean, the way the ocean is -- one is cooler
22 and one is warmer. And I know to date I have done a lot
23 of study in regards to that -- what happened in Valdez,
24 Prince William Sound, you know. And the emissions are
25 still coming out of that -- the oil that's on the bottom

1 of the ocean, you know, and I've done -- I do my homework
2 because it worries me that, you know, when Shell could
3 not -- did not -- could not come to our community to do
4 oil spill response or train our people, it worried me.

5 So I'd like to see some -- I'd like to see
6 something in there for the village of Point Lay and also
7 that the village be also be placed on that oil spill
8 response more so as Wainwright because we are -- you know,
9 if a pipeline were to go near our village, then we will
10 have a lot of great more concern. And we want to make
11 sure this is done correctly and the village corporation
12 and village of Point Lay also be -- take part in some of
13 your community meetings. Come to the community. They are
14 not going to do any harm to you. They will probably talk
15 your head off, but it's all right. At least give them a
16 chance.

17 MR. MIKE HALLER: Thank you, Marty. We
18 have fond memories of being there, actually. Thank you.
19 Okay. Ma'am, you would like to step forward? Thank you.
20 If you would introduce yourself, spell your name for
21 Mary's benefit and ours. Thanks.

22 MS. KATHY LEARY: Kathy Leary,
23 L-E-A-R-Y. I'm the training manager for community and
24 workforce development at Ilasagvik College. We do a lot
25 of short-term trainings. We do a lot of trainings with

1 industry. And so I have a question, if you wouldn't mind,
2 and then -- and then a statement. I noticed in here you
3 talked about continued strong coordination across
4 government agencies is essential. So I guess I'm curious
5 because we have worked with, like, NOAA and NMFS and some
6 of the other agencies in trying to develop and deliver
7 trainings for residents for marine mammal observers and
8 for spill response and for all kinds of regulatory
9 required certifications.

10 And so how do you anticipate this coordination
11 so there aren't different regulations coming at the
12 process from the different agencies? I'm just curious
13 about that process.

14 MR. TOMMY BEAUDREAU: Yeah. This is
15 something that kind of goes back a couple years with
16 respect to Alaska in particular where in the context of
17 originally, you know, proposals from Shell on drilling.
18 We brought together, you know, NOAA, the Interior
19 Department agencies, EPA, the Coast Guard, all sort of the
20 relevant agencies that have authority, statutory
21 authorities that touch on this type of activity so that we
22 could be much more coordinated in terms of both our
23 regulatory process and also our expectations vis-a-vis
24 Shell so we would have sort of one federal family face to
25 Shell and not sort of have this circumstance where the

1 left hand doesn't know what the right is doing and that
2 sort of thing.

3 But that was all aligned, and so that worked
4 reasonably well. We did a lot of work to figure that out.
5 But it was all aligned against or, you know, with -- you
6 know, it was all sort of directed around a project
7 proposal, a proposal from Shell to conduct drilling.

8 What we would like to do -- you see sort of
9 lists of different sort of recent reports. A running
10 theme across all of those reports is this idea of working
11 in Alaska on a more strategic level, on an integrated --
12 what we call in the Interior Department integrated Arctic
13 management level so that we break down sort of silos
14 across government agencies and not think about the Arctic
15 and northern Alaska, Alaska in general on a
16 project-by-project basis, but rather have a much broader
17 perspective, do scenario planning that considers, okay,
18 oil and gas is happening here, there is vessel traffic
19 that has an effect here, that has impacts on communities
20 and how communities interact with that type of activity.
21 These areas are important for caribou herds. We need to
22 look at that and protect that. And so start really
23 thinking about the landscape as a whole and working as a
24 federal family in order to do that, in close consultation,
25 of course, with local communities as we go.

1 So that is the aspiration. That's where we
2 would like to get to. And so coordination is one thing.
3 And we actually, you know, are doing that pretty well. We
4 really want to take it philosophically to a much broader
5 level. And that's what that is all about.

6 Next week you are going to hear -- I'm actually
7 coming back. I will only make it as far as Anchorage next
8 week. But I'll be with a number of high-level officials,
9 including from the White House, to talk exactly that. And
10 so again, if any of you happen to be in Anchorage next
11 week or are able to tune in, that's going to be what the
12 discussion is going to be next week about this kind of
13 much higher, more strategic, much more landscaped level
14 approach to Alaska.

15 MS. KATHY LEARY: Okay. Well, I really
16 appreciate being able to understand that a little better,
17 because it has been a little bit sort of scattered from
18 year to year, and it makes programming efforts and
19 training efforts a little bit more difficult in order to
20 do that.

21 So with that, one of the things we try to do as
22 the State's only tribal college up here is incorporate
23 Inupiat values across our curriculum. And when we did
24 initially develop the marine mammal observer program, we
25 had traditional knowledge components built into that

1 curriculum, as well as the sciences of, you know, the
2 research pieces. So we would like to continue with that
3 effort in other -- other training endeavors where we
4 incorporate those pieces into -- as well as the regulatory
5 pieces.

6 So recognizing that that's sort of our mission,
7 I would encourage you and your agencies to work with us in
8 whatever you are putting together and maybe work with us
9 when it comes to some of the planning of the regulatory
10 issues and what that might look like so we are able to
11 help ready people and deal with concerns such as Marty's
12 and other folks out there because we are the training arm
13 up here, and the more we can focus our efforts on being
14 responsive in a manner that will allow for local hire and
15 so forth, the better we are all are, if that makes sense.

16 MR. TOMMY BEAUDREAU: Yeah, absolutely.
17 That's really helpful.

18 MS. KATHY LEARY: Okay. Thank you.

19 MR. MICHAEL HALLER: Thanks so much.
20 Appreciate it. Next, please? Anyone else?

21 As you come up, thank you for your service, sir.
22 Thank you for your service. Flag Day is coming up this
23 coming week, folks. Just want to point that out.

24 MR. NATHANIEL OLEMAUN, JR.: My name is
25 Nathaniel Olemaun, Jr. I'm a whaling captain. My crew is

1 still out whaling. And I belong to -- I am a member of
2 the Native Village of Barrow and shareholder of the Arctic
3 Slope Regional Corporation and shareholder of UIC. And I
4 reside in North Slope Borough and City of Barrow. I made
5 notes of what was being presented. Also I'm mayor
6 emeritus for the City of Barrow. I was mayor for 30
7 years, so welcome to Barrow.

8 I want to talk about OCS, which is -- which was
9 removed as a power for City of Barrow because we used to
10 have three-mile limit. Now, when they inserted 200 miles
11 for OCS, it took the power away from City of Barrow and
12 North Slope Borough to participate in development, which
13 we did not want offshore. And we concur with North Slope
14 Borough to develop within the barrier islands like in
15 Prudhoe. But they made a road connecting those once they
16 put those islands on. For our region, it hurt us for our
17 whaling activities, which we treasure very dearly, and
18 it's a traditional culture up here. And we are aware of
19 the ice conditions, as you can see right now, and we watch
20 it year-round.

21 And we want to work together with different
22 entities here with the government. Ice condition is
23 slow -- has slowed down our whaling season, yet our crews
24 are still going out to hunt whales. We work with
25 International Whaling Commission for hunt every year,

1 which we get a quota from them. We just got one here at
2 the last meeting. As a whaling captain, we are still
3 whaling for our community.

4 Because the blanket toss is associated with
5 whaling, we conduct it traditionally, it brings our
6 community together for a successful feast. At the time we
7 land a whale, feasts are held at the captain's residence
8 with the people. When we bring up the boat, feast is
9 provided for the community again. Blanket toss is held,
10 and again we serve with the community muktuk and meat.
11 Also serve and share with the communities during
12 Thanksgiving feast and Christmas feast. We share with the
13 community again. And we share it also with the outlying
14 villages.

15 We -- we hunt beluga whales, which they are
16 trying to stop us from hunting. They are working on
17 walrus and they have put a condition on the polar bears,
18 which we all hunt up here. We need to work together with
19 you, but we need representation. The government entities
20 are up here, but there is no elected officials or local
21 residents from the Slope to sit amongst you guys, but we
22 need that representation.

23 As you can see, the ice hasn't been out since it
24 came in in December. There is no boat harbor up here in
25 the North Slope, and we need that. There is no way

1 drilling we could handle the ice condition. They tried
2 this summer to bring their rigs up here, and that was in
3 open water, and this is -- what we have is ice year-round.
4 And we -- we need to know what kind of safety procedures
5 they will have to drill, where they'll have a Native
6 observer from the North Slope working with them. The
7 companies do that. They work with the Native observers.
8 And thanks again. Okay.

9 MR. MICHAEL HALLER: Thank you very much,
10 sir.

11 MS. MARTHA ITTA: My name is Martha
12 Itta, tribal administrator for the Native village of
13 Nuiqsut. I'd like to thank you guys for coming and
14 listening to -- for putting a face to our voices. So
15 first of all, I know you guys heard concerns about
16 equipment needing -- being needed here on the North Slope.
17 My concern -- I will keep it short because I probably have
18 a whole booklet of comments and concerns for my village of
19 Nuiqsut, given that we are surrounded by development
20 everywhere we look. So saying that, we will turn in a
21 comment to -- before the deadline and you will -- we will
22 put down everything that we need to put down to be heard.

23 But my concerns that I want to put out right now
24 is our evacuation plan. We do not have an effective
25 evacuation plan, being surrounded by development. We have

1 no equipment. We -- that is something that our entities
2 are trying to work together to put together, but without
3 equipment or without funding, we cannot do anything about
4 the evacuation plan.

5 As you may have heard, we have experienced two
6 blowouts in two winters. One was last year in February
7 and one was this year, by the industry Repsol, which
8 caused a lot of chaos. We had no -- nobody to turn to. I
9 mean, everybody wasn't -- there was nobody to help us.
10 And you know, having no equipment or no effective
11 evacuation plan, there was a lot of panic in our
12 community. So I would like to stress that you guys not
13 give any more leases, sell any more leases until you guys
14 have put in place the very important thing that needs to
15 be in place to protect us.

16 The other thing is our air monitoring. We need
17 a full air monitoring, I mean, not just the bare minimum
18 that they have been doing for the last 15, 20, 30 years
19 since Prudhoe Bay Alpine. That is something that really
20 needs, given that after the blowout last year we had done
21 our own air monitoring testing, and from those testings,
22 we had found that there has been nine VOCs, chemicals in
23 the air that's never been picked up before. And we were
24 in exceedance of the chemical benzene, which causes
25 leukemia into our children. And we have two children that

1 were treated and one lost. We had lost a two-year old to
2 leukemia.

3 And I would really strongly suggest that you
4 guys get our air monitoring going before any more leases
5 are being sold because that is -- that's the only
6 resources we have in protecting ourselves, our children.

7 I would also like to ask there not be any
8 leasing by Camden Bay. That is where our whales feed.
9 That is where our whalers go. We have -- our whalers have
10 to travel to Cross Island, and our whales feed at Camden
11 Bay. And we would like to ask that there be no leasing
12 around that area.

13 The last thing I would like to concern -- I
14 would like to say that Shell's presence here in Barrow
15 deeply impacted not only Barrow, but our community because
16 their presence here in Barrow, they took all the housing,
17 all the hotels, and our people could not come because
18 Barrow is the main hub for our health care. And I would
19 like to stress that they made a big impact just being here
20 in Barrow because our people could not come to Barrow to
21 be seen. So they were left home. Cannot come to Barrow
22 because there is no housing. And that -- that's a big
23 issue.

24 We had a lot of sick people after the blowouts,
25 after the oil spill, and the antibiotics that are given

1 are not working. And that's -- that's -- that's a big
2 issue. That's a big concern with the industry being not
3 only here in Barrow, but the villages. It impacts our
4 health care because Barrow is a main hub for all outlying
5 villages.

6 And if there is anything else I have, I will
7 turn in by comment. And thank you guys for your guys'
8 time in being here and listening to our concerns. Thank
9 you.

10 MR. MICHAEL HALLER: Thanks, Martha and we
11 will look forward to chatting with you next week. Okay.
12 Do we have someone else? Thank you, sir.

13 MR. PATRICK SUVLU: Good evening. My
14 name is Patrick Suvlu, and I'm a -- I'm born and raised in
15 Barrow. And my concern is that the offshore drilling
16 here, and I want to make -- I want to make sure you guys
17 understand, the usage of the whale, when they say we --
18 they divide the whale up during Thanksgiving and
19 Christmas, everybody goes to church, and that's where they
20 deliver the whale and whale meat, muktuk during
21 Thanksgiving and also on Christmas. I just wanted to make
22 sure you guys understand that, what the whale is used for
23 and stuff.

24 But my main concern is the offshore drilling.
25 And when Shell had a community concern meeting, they had

1 informed us that they could dismantle their rigs in less
2 than an hour in 60-mile-an-hour winds. And last fall they
3 were coming in and Shell was going to -- or whoever was
4 out on that rig, there was only 30-knot winds, and it took
5 them most of the day or night to dismantle -- get their
6 personnel off and dismantle their rigs from the ocean.

7 Now, they got -- our oceans are different up
8 here. We got a lot of currents and we got choppy waters.
9 We don't have big swells like they do in the Gulf of
10 Mexico and in the Gulf of Alaska. But our waves are close
11 together, a lot more close together than the swells they
12 have down there. So if they have a boat out there, it's
13 going to keep hitting the -- getting thrown around by the
14 choppy waves out there. So -- and when they actually
15 tried to dismantle their rig and get their personnel off,
16 it took them mostly all day and all night.

17 So that was what -- what Shell said, it looked
18 good on paper, but actually it didn't work as good as it
19 sounded on paper. So that is my concern about our ocean
20 and comparing them down to the Gulf of Mexico and the Gulf
21 of Alaska where they have swells and we got choppy waters
22 up here, waves and -- waves are close to each other and
23 they toss that boat around more than they do it down in
24 the Gulf of Mexico and in Gulf of Alaska or down -- down
25 there.

1 That was my concern. Thank you.

2 MR. MIKE HALLER: Thank you very much,
3 sir. Do we have -- yes, sir, please come forward.

4 MR. BRYAN NUKAPIGAK: Hello. My name
5 Bryan Nukapigak. That's N-U-K-A-P-I-G-A-K. I'm from
6 Nuiqsut Alaska, and I work on the Prudhoe Bay oil fields
7 and Alpine oil fields since '99. But I'm 33 years old.
8 I'm from Nuiqsut, Alaska, and I've hunted these waters up
9 here for 30 years. Since I was three years old I have
10 been in these waters. And I call it my home. Being stuck
11 on land for ten months out of the year, I love going to
12 the ocean every year. And it's what I look forward to
13 since I was a kid.

14 And everybody is speaking about concerns of
15 offshore drilling, but what I would like to talk about is
16 the effects that I have witnessed what offshore drilling
17 does.

18 Back in '95, my second and third year of
19 whaling, we did not catch no whales that year because of
20 the onshore drillings, the noise that it makes. We
21 traveled 72 miles from Nuiqsut to do our subsistence
22 whaling. And out of that 72 miles, we have to go another
23 additional five to 20 miles. And that's within a good
24 year. But in that year, we did not get no whales. We
25 were traveling anywhere between 20 to 40 miles.

1 And like my sister said, Martha -- that's my
2 sister -- she mentioned Camden Bay. That is where our
3 whales feed on their migration route. That is one of
4 their best feeding grounds that I have been taught where
5 to go in case we don't find whales. And there have been a
6 lot of times where we have to do that, go out there and
7 try and spot them, but we won't catch them when they're
8 that far out. We just go there and observe and see where
9 they are out.

10 A lot of the effects of these offshore
11 drilling -- because we are sounded by so many of them
12 already in the village of Nuiqsut, and the three potential
13 drilling sites that they have over there -- is that a lot
14 of our animals are being affected. We have to travel a
15 lot farther.

16 And when they are doing their seismic -- another
17 experience that I've had last year -- I've never seen --
18 in the 30 years I have been going out to the ocean when
19 they are doing their seismic, they are setting buoys out
20 into where they are going to be doing their seismic, and
21 that is right in our area where we do our subsistence
22 hunting for seals, bearded seals, and our ducks.

23 And there is a lot -- and the areas where we
24 hunt is another migration route for our fish that comes
25 into the Colville River, as well. And a lot of these

1 fish, it brings in a lot of these chemicals into our
2 rivers as well as to what they are putting into the waters
3 or whatever they are drilling with.

4 A lot of these affect a lot of our hunters
5 financially, as well. When we have no animals, it makes
6 us to go out and travel further to look for game, and that
7 makes it more dangerous for us. And like he said, our
8 weather, it gets unpredictable at times. It may seem like
9 it's going to be good, and it can turn within an instant.
10 And that makes it more dangerous for us if we have to go
11 further out to look for our sea mammals that we so depend
12 on so much, because where I come from, at least 85 percent
13 of our food that goes onto the table comes from the ocean.
14 And everybody loves it, all the way to the little babies,
15 our Elders.

16 And it's just -- everybody is speaking of
17 climate, but I just want to talk about the effects that
18 I've witnessed in the 33 years of my life. And I have
19 been hunting in these waters since I was three years old,
20 and these are the effects that I've witnessed myself.

21 What preventative maintenance will we have to
22 where we have to subsist around you guys working on our
23 waters, and with -- like that year when I found all those
24 buoys out there when they were doing that seismic, I had
25 no idea that they were doing that out there. And it was

1 in the general area of where we go. And these buoys, I
2 have found them anywhere between five miles to 25 miles
3 north of the Colville River.

4 And it's just -- for us that could be a danger
5 for some -- some boaters out there if they are not paying
6 attention or sometimes -- some of these buoys are small
7 and you can't see them, and you are riding your boat
8 along, and that could damage your outboard motor, and then
9 you have to call in for search and rescue.

10 And if this is anything else like this going to
11 be happening, we would like to be informed of where they
12 are doing their job sites, their seismic, where they are
13 setting their buoys out in our waters where we are at.
14 That way nobody has to come across and running their
15 outboard motors into these buoy lines because they are
16 pretty long. I picked one of them up to see what they
17 were, and I followed some of their trails. We could see
18 some of their buoys going out, and that's how we finally
19 found one of their ships out there that was setting them.
20 It would be nice if we would be informed of what they are
21 doing out there where we hunt in our general areas.

22 Thank you.

23 MR. MICHAEL HALLER: You are welcome.

24 Thank you very much. Yes, sir. Please.

25 MR. RONALD FISCHER: Good evening, and

1 welcome. My name is Ronald Fischer. I'm from Barrow,
2 born and raised here in Barrow. I'm a lifelong resident,
3 and I'm here to stay. I currently work for Umiak. I'm
4 the community liaison, and I have been working with Shell,
5 also. I'm kind of like the representative for Shell here
6 in Barrow. So we do have an office over here in town, and
7 we are not hard to find. So it's over there on the third
8 floor in the bank building in town. So even though I'm
9 not at the office, I'm either at my house. My doors are
10 always open. So I just thought I'd introduce myself.

11 Born and raised in Barrow. I have been whaling
12 ever since I have been growing up here in Barrow. I'm an
13 ASRC shareholder, UIC shareholder, tribal member of the
14 Native Village of Barrow. I also have inherited shares in
15 the Olgoonik Corporation in Wainwright on behalf of my
16 mother, so Wainwright is like my second home.

17 And now there is always a lot of concern that I
18 hear as being a CLO here and all the concerns that people
19 have. Their concerns are my concerns, so we're always
20 looking forward to hearing everybody's input, you know.

21 So I'm here in Barrow. There are
22 representatives here, and I'll leave you guys my card. So
23 I just thought I'd come and introduce myself. Thank you.

24 MR. MIKE HALLER: Thank you, sir. Anyone
25 else like to offer remarks? Please. Thank you.

1 MR. BEN GLOVER: Ben Glover, Dean of
2 Community and Workforce Development for Ilasagvik College,
3 although my remarks are as a private citizen of Barrow. I
4 was not born and raised in Barrow, but Barrow is where
5 I've decided to raise my family and children and purchase
6 a home, and it is the community which we call home.

7 And I have issues sort of with the structure of
8 this discussion because I have been to a number of these
9 meetings and, you know, you start off with -- you know,
10 the first place in this one you went to was Anchorage and
11 you are coming back to Anchorage next week, but I'm pretty
12 sure if there was an oil spill in the Chukchi Sea, there
13 would not be any oil landing on the beaches of Anchorage.
14 I've flown up and down the Chukchi Sea a number of times.
15 I haven't seen Anchorage there. Maybe I was on the wrong
16 side of the plane, but anyway --

17 The discussion is always this is how we are
18 going to mitigate the risk. This is how we are going to
19 mitigate the risk. This is how we are going to mitigate
20 the risk. But at the risk of being flip, that's like
21 playing the game of Russian roulette when you are going to
22 mitigate the risk by removing bullets so there are fewer
23 bullets that will be spinning in the chamber. You can't
24 remove all of them. Much it's not possible. You are
25 dealing with forces beyond your control that will never

1 bring down the risk to zero.

2 And similarly to Russian roulette, there is no
3 upside. There is only reducing the downside risk. There
4 is, so far as I can tell and so far as I've ever heard in
5 any of these meetings, no upside for the community,
6 whether that be where the oil leases lay and therefore,
7 you know, what the taxing authority is and how it's not
8 the North Slope Borough and, you know, whether that we are
9 training in some communities but we are not going to train
10 in all communities. I'm just -- I've yet to hear in any
11 one of these what the upside for the very communities that
12 are put at risk.

13 You know, if there is a spill, it will be Point
14 Lay, Wainwright, Barrow, to a more limited degree Point
15 Hope, Nuiqsut that are directly affected by that. And
16 it's unlikely that we are going to stop the progress. The
17 decision is being made outside of our hands and these are
18 probably going to go forward whether we want it or not.
19 It's certainly not something we are going to have a vote
20 on.

21 But if I'm investing my money, I -- you know,
22 I'm not going to take an offer, well, there is three
23 chances: You can lose all your money, you can lose half
24 your money, or you could not lose any money. You wouldn't
25 do that. That's not something normal people in normal

1 circumstances would accept. But that's, you know, the
2 choices that we kind of are being offered up here, you
3 know. Congratulations, we are going to make there be a
4 smaller chance that we are going to ruin the environment,
5 ruin your hunting, ruin many different things. And no, we
6 are still not going to improve your communities for just
7 exposing -- you know, this is for negotiation.

8 You know, okay, so we have to accept that you
9 are going to expose us to risk. What -- what is -- for
10 lack of a better tact, what's in it for us? There is just
11 nothing. It's all mitigating risk, which is -- we are all
12 appreciative. We are all appreciative as you are -- every
13 group that comes through is attempting to mitigate the
14 risk. You know, lowering the risk is definitely a good
15 thing, but that's all it is is risk, as far as I see it.

16 And I will admit that I don't know everything
17 about it and haven't read everything there is to it, but
18 it's the theme of each and every one of these meetings I
19 have been at. Thank you for your time.

20 MR. MICHAEL HALLER: Thank you very much,
21 sir. Let me ask, anyone else like to come forward and
22 offer some remarks, comments? We have some time here.
23 Thank you very much.

24 MS. EDITH VORDERSTRASSE: Good evening,
25 and welcome to Barrow. I'm Edith Vorderstrasse. I

1 currently work for UIC Umiak as the consulting division
2 manager. We have been very -- we have been working with
3 the industry in the stakeholder engagement portion of
4 their permitting, and also we travel with them on their
5 planned cooperation meetings, So over the years I have
6 listened to the concerns of the villages that are -- where
7 Shell goes throughout the Chukchi Sea through the
8 Beaufort.

9 We have many concerns. I'm a former mayor of
10 City of Barrow. I was born and raised here. And I still
11 have family here, and I still call Barrow my home. And I
12 remember you, Mr. Beaudreau, when the late Eileen MacLean
13 was in our House of Representatives because I worked for
14 her.

15 The concern that most of our villages have is
16 health, safety, and the impact that it will bring and
17 how -- how well are we prepared as communities, the
18 infrastructure that will have to be built. And having
19 worked with the industry and UIC and its companies, this
20 is what we have -- we have been -- this is our marching
21 order with UIC. As long as it's done in an
22 environmentally safe manner and that our people, our
23 communities will economically benefit. That's the
24 marching order that we have, that I have with the company
25 I work for.

1 And when I was first asked to go and work for
2 OCS on behalf of OCS, I was very reluctant because I said
3 that is where we get our food from. And I said, I don't
4 think I could do this. And when I went through an
5 interview process in Anchorage with one of our
6 competitors, I said, I don't think I could do this. And
7 then the people who wanted to hire me said okay. They
8 gave me a couple days to think about it and said, okay, if
9 you can help implement protective measures and speak on
10 protective measures of the ocean, the land, your
11 community, can you do this is the question that they asked
12 me. And I said, yes, I can, if it -- if I can help in
13 that manner.

14 And our communities have always been very
15 involved with industry or any -- any industry or any
16 people with lease sales, as someone spoke this morning,
17 minerals management. I have testified in front of them
18 before, giving them options. And the frustrating part
19 there is we spill our guts out, we tell them what we want.
20 We say, no, we don't want you to do this -- this plan. We
21 would prefer if we can -- I mean, we team together. We
22 meet with the communities of the North Slope, the city,
23 the borough, the wildlife department; we would sit down
24 and meet and talk about what was coming before us on the
25 lease sale. And we would say we would -- we want you to

1 do this, this instead of that. Can we meet halfway.

2 That's the frustration that our people have
3 experienced over the last 30 some years. And I am very
4 thankful that part of the government is finally stepping
5 up to the plate to listen to some of the concerns or all
6 our concerns, that you are here to spend some time and
7 listen to the concerns of the people of the North Slope or
8 areas that will be impacted.

9 My question to you is: What can Department of
10 Interior do to help any -- any organization, any State
11 that is along the coastal zone in getting revenues from
12 these oil leases.

13 You heard earlier today that we receive impact
14 aid funds from NPR-A. Yes, we do. But those are all --
15 those are already spoken for. The State gets a part and
16 we get a part, but what do we -- what do we get? The risk
17 that the communities are taking is tremendous. And there
18 are communities, as you heard earlier today, that are
19 struggling, that are impacted by this. And we as
20 community leaders need to look on behalf of our villages
21 to make sure that we benefit from this because we will
22 still be here when the industry leaves. And hopefully
23 they will be here a while.

24 But these are things that we have to take into
25 consideration. It's not something very lightly that we

1 take. But I want to -- when you say that you will reach
2 out to the -- the villages or whomever will be impacted,
3 that's a beginning. But my -- my -- my question to you is
4 with your listening ears, what you have heard here and in
5 Anchorage and wherever you may conduct your meetings, how
6 much of that will you listen to? And that's -- that's my
7 question to you. And how can you help?

8 I know there has been legislation introduced to
9 receive revenue sharing from OCS. There has been
10 opposition. And there will be opposition because the
11 federal government is not willing to give up that money.
12 And that's a question that I have to you, also, is how can
13 you help us to get legislation passed so that our
14 communities can receive the revenue sharing that they --
15 they deserve? Because we are the impacted communities,
16 even though it's outside the three-mile limit.

17 But those are questions that I keep asking
18 myself. And I follow revenue sharing, and it's been
19 introduced how many times, and it hasn't gone anywhere.
20 But what is the Department of Interior willing to do to
21 help reassure us that we can get revenues from OCS?

22 MR. TOMMY BEAUDREAU: If I may, I think
23 it's a great point. It was a point you were making, too.
24 And it's actually a point that was first made to me a
25 couple years ago during a public hearing similar to this

1 in Point Hope. And it was a whaling captain's wife who
2 stood up and spoke very passionately and compellingly
3 about exactly that, that you know, we are a
4 subsistence-based community, we bear all of the risk of a
5 catastrophe that would impact us, not only in a way
6 that -- like in the Gulf where it impacts, you know,
7 certain industries like fishing and tourism, but it would
8 be a real human catastrophe in terms of impacting in a
9 catastrophic way where people get their food. And so it
10 would be a human catastrophe on a level different than
11 what anyplace else in the United States would experience
12 from something like this.

13 And again, unlike someplace in the Gulf of
14 Mexico, as bad as the Deepwater Horizon spill was, the
15 people -- a lot of people in Louisiana who were
16 experiencing, you know, an environmental disaster were
17 pushing us to lift the moratorium on deep water drilling
18 so that drilling could continue because that was -- in
19 large part is a fundamental aspect of their economy. And
20 so even while the spill was still going on and that well
21 was flowing, they were pushing us for more drilling
22 because a lot of their jobs come from that. You grow up
23 in Louisiana, go to SU, you get a petroleum engineering
24 degree, and you have a job for life working on this rig.
25 Again, it's not like that here.

1 And so that made a big impression on me hearing
2 that. And I spoke with then Secretary Salazar about that,
3 and I came back and said, look, I heard this. You know,
4 it's pretty compelling. It's something that I've already
5 talked to Secretary Jewell, our new Secretary, about.

6 Revenue sharing is, as you indicated, incredibly
7 complex. The State is involved. The federal government
8 is involved and, as you put it, you know, not, you know
9 willing, to give up revenue dollars very lightly. But my
10 personal view and something I've talked with both of the
11 Secretaries about is it's a pretty compelling case. You
12 know, what is the upside on these communities for
13 activity? There may be upside generally, energy security,
14 all of those things, resource development that may be good
15 for the country if it can be done the right way, but for
16 the local communities, what is in it for them. I think
17 that is a very compelling issue.

18 There is -- I can't promise -- sitting here now,
19 I can't promise something specific we can do about it, but
20 I think it is an issue that I put on our Secretary's radar
21 screen so that when those conversations are happening
22 people understand the concerns of the communities here and
23 the communities' perspective here. That I can promise to
24 do. So --

25 MS. EDITH VORDERSTRASSE: And earlier

1 today when they were talking about the Conflict Avoidance
2 Agreement, there are some industry groups that have not --
3 well, they have not signed the Conflict Avoidance
4 Agreement, but Shell has also stepped up to the plate in
5 reference to the Beaufort Sea where they -- where they
6 said they would have zero discharge. And that has been
7 working with Nuiqsut whalers and also Kaktovik whalers.
8 That was a big step, and it has created a standard for
9 other industry groups who wish to be in the Beaufort side,
10 and I welcome that challenge.

11 And these are the kind of challenges that will
12 benefit our whalers, will benefit the Chukchi side to
13 where it will protect Camden Bay where our bowhead whales
14 go and feed and calf. And so that's a good sign. And I
15 challenge the other industry groups to follow along in
16 reference to some of the changes that our people are
17 asking.

18 Our Barrow Whaling Captains's Association --
19 whether it's the Barrow Whaling Captain's Association or
20 any other whaling captain's association, our first
21 priority is to make sure that our sea mammals, our fish
22 are protected because that is our livelihood.

23 And I thank you for coming and thank you for
24 listening. And hopefully we will see some positive things
25 come out of this. And we wish to continue to work with

1 you in these areas as long as you have a listening ear and
2 you are willing to do as you have heard. Thank you.

3 MR. MIKE HALLER: Thank you so much. It
4 only seems as though almost everybody has spoken tonight.
5 I know there are a few that may want to offer some remarks
6 who may not have, or perhaps somebody would like seconds,
7 so I leave that to you at this point in the evening. If
8 someone would like to step forward to make some remarks,
9 the time is yours, please.

10 MR. JOSHUA BACON: Good evening,
11 everyone, including the Barrow community. My name is --
12 first of all, my name is Joshua Bacon. I'm a past
13 full-time resident of Barrow. Now I'm just a seasonal
14 guy. I also was a past biologist for the North Slope
15 Borough, but I'm not here to represent my past or current
16 employers at all. I just wanted to make that clear. I
17 also wanted to say good evening to the Barrow residents
18 and let them know that these guys are here. This is your
19 opportunity to let the Department of Interior know what
20 regulations you want to see in place for offshore. So
21 come on out to the City Hall if you have a moment.

22 Let's see. So I'm not here to represent anybody
23 in particular. I guess, you know, I'm here because I'm a
24 lover of Arctic wildlife, subsistence for Alaskans,
25 Inupiat culture and Inupiat villages. And I think it's

1 important to say a couple of things here.

2 My first point is -- or actually really my only
3 point, I had a really hard time with the events that
4 happened in 2012, which I think were mentioned here in the
5 introduction, the ships running aground. I think it was
6 completely unacceptable. And it was an accident. And it
7 makes everyone very fearful to see those accidents happen
8 because it's easy to make the jump to see that accident
9 happening with oil involved and seeing a spill. And when
10 we are dealing with entities like Shell Oil, we know that
11 monetary fines are not that effective. And it was really
12 good for me to see that there was actually suspensions
13 involved, I believe, if I'm correct, as a consequence of
14 those accidents. And I'd like to see more of that.

15 When accidents happen, more meaningful
16 consequences like year-long suspensions, two-year long
17 suspensions, five-year long suspensions, something that
18 will really get the attention of the industry. When we
19 use monetary fines, we are talking about companies that
20 are worth 200-billion dollars, 300-billion dollars, it's
21 not going to mean much. And so as far as regulatory
22 suggestions, that's mine. Meaningful consequences.

23 Thank you. That's all I had.

24 MR. MIKE HALLER: Thanks very much. Now
25 we are down to a few that are left who haven't spoken.

1 You don't have to, but we would sure love to hear from
2 you. Anybody? Anybody? Seconds? Thirds? Okay. Well,
3 Mr. Secretary, it looks as though those who wish to give
4 voice tonight have, and so I would turn the time for your
5 summary, if you would like.

6 MR. TOMMY BEAUDREAU: Thank you very
7 much, and thank you for the really heartfelt and genuine
8 comments that we heard. You know, it does come through
9 loud and clear and it always has to me ever since I have
10 been involved working on these issues in Alaska how
11 strongly folks feel about these issues and how directly
12 affected people feel by the potential for oil and gas
13 exploration and development off of your communities. And
14 so that is why I take these issues and everybody you see
15 here takes these issues extremely seriously.

16 As an Alaskan myself, it is extremely important
17 for me to spend as much time as I can here talking to the
18 people who are actually closest to these issues. And so I
19 just want to say, as I did at the outset, how appreciative
20 I am that you have taken time out on a Friday night to
21 come here and put your hearts on your sleeves and tell me
22 what is on your mind.

23 We do use this information. You know, I have
24 been taking notes. Mary has been taking verbatim notes.
25 And we take this information back. And here is how we use

1 it. We sit down as we prepare, you know, these draft
2 rules and we talk amongst ourselves and we say, okay,
3 well, remember in Barrow when we heard this? What are we
4 doing about it? What's our answer? If we get asked why
5 did you or didn't you do something in response to
6 something you heard, what is our answer? Because we can't
7 always -- believe me, it's sort of impossible, given the
8 views here, whatever we do it's not going to completely
9 satisfy everyone. It's not going to be exactly what
10 everyone hoped to see.

11 But what I do think we owe people is an answer
12 to that question, how did you consider my input. And so
13 we take it extremely seriously. I think, you know, the
14 burden is on us to demonstrate how seriously we take this
15 information and prove it up as we go.

16 And so thank you very much for participating in
17 this. It takes a lot of courage. You have my admiration
18 for doing it. I'm not sure -- I'm getting used to sitting
19 on sort of this side of things, but as an ordinary
20 citizen, I never participated in something like this. I
21 would have been too nervous about it. And so you have my
22 deep respect and appreciation for coming out tonight and
23 talking the way that you have.

24 So thank you very much, and have a great
25 weekend.

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

(Proceedings adjourned at 6:58 p.m.)

REPORTER'S CERTIFICATE

I, MARY A. VAVRIK, RMR, Notary Public in and for the State of Alaska do hereby certify:

That the foregoing proceedings were taken before me at the time and place herein set forth; that the proceedings were reported stenographically by me and later transcribed under my direction by computer transcription; that the foregoing is a true record of the proceedings taken at that time; and that I am not a party to nor have I any interest in the outcome of the action herein contained.

IN WITNESS WHEREOF, I have hereunto subscribed my hand and affixed my seal this _____ day of _____ 2013.

MARY A. VAVRIK,
Registered Merit Reporter
Notary Public for Alaska

My Commission Expires: November 5, 2016

TABLE OF CONTENTS

PRESENTATION BY:	PAGE
Mr. Tommy Beaudreau	4
COMMENTS BY:	
Mr. Willard Neakok	10
Ms. Marty Awalin	17
Ms. Kathy Leary	22
Mr. Nathaniel Olemaun, Jr.	26
Ms. Martha Itta	29
Mr. Patrick Suvlu	32
Mr. Bryan Nukapigak	34
Mr. Ronald Fischer	37
Mr. Ben Glover	39
Ms. Edith Vorderstrasse	41
Mr. Joshua Bacon	49
CLOSING COMMENTS BY:	
Mr. Tommy Beaudreau	51

MIDNIGHT SUN COURT REPORTERS (907) 258-7100

A	<p>ago (3) 3:9;10:21;45:25</p> <p>Agreement (2) 48:2,4</p> <p>aground (2) 15:6;50:5</p> <p>ahead (1) 8:5</p> <p>aid (1) 44:14</p> <p>air (5) 30:16,17,21,23; 31:4</p> <p>air-breathing (1) 12:16</p> <p>Alaska (17) 3:20,22;4:2,7,9; 7:13;23:16;24:11,15, 15;25:14;33:10,21, 24;34:6,8;51:10</p> <p>Alaskan (2) 7:2;51:16</p> <p>Alaskans (1) 49:24</p> <p>aligned (2) 24:3,5</p> <p>allow (5) 5:21,22;6:1;19:6; 26:14</p> <p>almost (1) 49:4</p> <p>along (7) 14:9;15:10,25;18:8; 37:8;44:11;48:15</p> <p>Alpine (2) 30:19;34:7</p> <p>although (2) 7:18;39:3</p> <p>always (7) 38:10,17,19;39:17; 43:14;51:9;52:7</p> <p>amongst (2) 28:21;52:2</p> <p>Anchorage (11) 4:2;11:25;18:2; 25:7,10;39:10,11,13, 15;43:5;45:5</p> <p>animals (4) 12:14,16;35:14; 36:5</p> <p>antibiotics (1) 31:25</p> <p>anticipate (1) 23:10</p> <p>anyplace (2) 9:2;46:11</p> <p>apply (1) 7:11</p> <p>appreciate (5) 4:14;9:13,25;25:16; 26:20</p> <p>appreciates (1) 8:25</p>	<p>appreciation (2) 9:19;52:22</p> <p>appreciative (3) 41:12,12;51:19</p> <p>approach (2) 18:20;25:14</p> <p>Arctic (5) 5:13;24:12,14;27:2; 49:24</p> <p>Arctic-specific (1) 7:3</p> <p>area (8) 4:4;14:22,23;18:24; 19:1;31:12;35:21; 37:1</p> <p>areas (5) 24:21;35:23;37:21; 44:8;49:1</p> <p>arm (1) 26:12</p> <p>around (9) 3:5,23;4:5;12:9; 24:6;31:12;33:13,23; 36:22</p> <p>aspect (1) 46:19</p> <p>aspiration (1) 25:1</p> <p>ASRC (1) 38:13</p> <p>Assistant (1) 3:18</p> <p>associated (2) 5:24;28:4</p> <p>Association (3) 48:18,19,20</p> <p>attempting (1) 41:13</p> <p>attending (2) 9:12,20</p> <p>attention (2) 37:6;50:18</p> <p>authorities (1) 23:21</p> <p>authority (2) 23:20;40:7</p> <p>avid (1) 12:22</p> <p>Avoidance (2) 48:1,3</p> <p>AWALIN (3) 17:22;18:1;54:.5</p> <p>aware (1) 27:18</p> <p>away (1) 27:11</p>	<p>11:14;14:24;17:9; 23:15;25:7;34:18; 39:11;47:3;51:25</p> <p>BACON (3) 49:10,12;54:.5</p> <p>bad (1) 46:14</p> <p>bank (1) 38:8</p> <p>bare (1) 30:17</p> <p>barrier (3) 11:15;14:10;27:14</p> <p>Barrow (43) 3:3;10:15;18:2,7, 20:8,9,23;27:2,4,6,7, 9,11;31:14,15,16,18, 20,20,21;32:3,4,15; 38:1,2,6,11,12,14,21; 39:3,4,4;40:14;41:25; 42:10,11;48:18,19; 49:11,13,17;52:3</p> <p>based (1) 6:8</p> <p>basically (2) 5:4;6:24</p> <p>basis (2) 19:4;24:16</p> <p>Bay (11) 5:9;18:14,14,24; 19:3;30:19;31:8,11; 34:6;35:2;48:13</p> <p>beaches (1) 39:13</p> <p>bear (4) 13:4,4,4;46:4</p> <p>bearded (1) 35:22</p> <p>bears (1) 28:17</p> <p>beat (1) 11:18</p> <p>Beaudreau (9) 3:19;4:11;23:14; 26:16;42:12;45:22; 51:6;54:.5,.5</p> <p>Beaufort (8) 5:5,7,9;6:2;16:16; 42:8;48:5,9</p> <p>became (1) 11:16</p> <p>began (1) 17:17</p> <p>beginning (1) 45:3</p> <p>begun (1) 14:24</p> <p>behalf (3) 38:15;43:2;44:20</p> <p>belong (1) 27:1</p> <p>below (1) 12:10</p>	<p>beluga (3) 12:2,17;28:15</p> <p>belugas (1) 13:25</p> <p>Ben (3) 39:1,1;54:.5</p> <p>benefit (5) 22:21;42:23;44:21; 48:12,12</p> <p>benzene (1) 30:24</p> <p>Bering (1) 15:19</p> <p>best (1) 35:4</p> <p>better (5) 6:23;13:5;25:16; 26:15;41:10</p> <p>beyond (1) 39:25</p> <p>big (2) 21:20;31:19,22; 32:1,2;33:9;47:1;48:8</p> <p>biologist (1) 49:14</p> <p>birds (4) 12:3;13:21;15:2,12</p> <p>bit (3) 5:3;25:17,19</p> <p>blanket (2) 28:4,9</p> <p>bless (1) 3:12</p> <p>block (1) 21:4</p> <p>blowout (1) 30:20</p> <p>blowouts (2) 30:6;31:24</p> <p>boat (6) 16:3;28:8,24;33:12, 23;37:7</p> <p>boaters (1) 37:5</p> <p>BOEM (3) 3:22;4:1,9</p> <p>booklet (1) 29:18</p> <p>boom (1) 19:9</p> <p>born (5) 32:14;38:2,11;39:4; 42:10</p> <p>Borough (6) 27:4,12,14;40:8; 43:23;49:15</p> <p>boss (2) 4:8;6:15</p> <p>both (3) 5:7;23:22;47:10</p> <p>bothered (2) 20:14;21:10</p> <p>bothers (1)</p>
		B		
	<p>babies (1) 36:14</p> <p>back (13) 4:5,22;6:4,16;</p>			

19:6 bottom (1) 21:25 boundary (2) 19:12,13 bowhead (1) 48:13 boy (1) 21:7 break (1) 24:13 briefly (1) 4:15 bring (5) 20:4;28:8;29:2; 40:1;42:16 brings (2) 28:5;36:1 broader (2) 24:16;25:4 brought (1) 23:18 brown (1) 13:4 BRYAN (3) 34:4,5;54:5 BSEE (1) 4:3 build (1) 15:8 building (1) 38:8 built (2) 25:25;42:18 bullets (2) 39:22,23 buoy (1) 37:15 buoys (6) 35:19;36:24;37:1,6, 13,18 burden (1) 52:14 Bureau (2) 3:7,20 bureaucratic (1) 9:21 Burger (4) 5:8;11:5,8,9 buy (1) 14:13	48:13 came (2) 28:24;47:3 can (28) 9:21,21;11:20; 15:18;17:9,12;26:13; 27:19;28:23;36:9; 40:4,23,23;43:9,11, 12,12,21;44:1,9;45:7, 12,14,21;47:15,19,23; 51:17 cap (2) 5:14;15:23 Cape (1) 14:6 captain (2) 26:25;28:2 captain's (4) 28:7;46:1;48:19,20 Captains's (1) 48:18 capture (1) 7:10 card (1) 38:22 care (2) 31:18;32:4 caribou (3) 13:3;14:9;24:21 carry (1) 15:18 cars (1) 16:14 case (8) 13:10;14:4,8;15:23; 16:9,10;35:5;47:11 catastrophe (3) 46:5,8,10 catastrophic (1) 46:9 catch (2) 34:19;35:7 caused (1) 30:8 causes (1) 30:24 CEO (1) 17:23 certain (1) 46:7 certainly (1) 40:19 certifications (1) 23:9 chain (2) 12:12,15 challenge (2) 48:10,15 challenges (1) 48:11 chamber (1) 39:23 chance (2)	22:16;41:4 chances (1) 40:23 changes (1) 48:16 chaos (1) 30:8 chatting (1) 32:11 chemical (1) 30:24 chemicals (2) 30:22;36:1 children (5) 12:25;30:25,25; 31:6;39:5 choices (1) 41:2 choppy (3) 33:8,14,21 Christmas (3) 28:12;32:19,21 Chukchi (18) 5:5,7,8;6:2,8;7:21; 11:4;13:1;16:16;18:6, 9;19:22;20:12,12; 39:12,14;42:7;48:12 church (1) 32:19 circumstance (1) 23:25 circumstances (1) 41:1 citizen (2) 39:3;52:20 City (7) 27:4,6,9,11;42:10; 43:22;49:21 clams (1) 11:11 clean (1) 13:6 clear (3) 8:4;49:16;51:9 clearly (1) 3:24 climate (1) 36:17 CLO (1) 38:18 close (6) 19:2,11;24:24; 33:10,11,22 closely (1) 9:3 closest (2) 11:7;51:18 CLOSING (1) 54:5 Coast (7) 6:9,12;15:8;16:1,2; 18:6;23:19 coastal (1)	44:11 coastline (1) 21:17 codify (1) 7:23 College (3) 22:24;25:22;39:2 Colville (2) 35:25;37:3 coming (20) 3:23;5:2;6:17;10:8, 15;11:18,22;13:22; 17:25;21:25;23:11; 25:7;26:22,23;29:13; 33:3;39:11;43:24; 48:23;52:22 comment (5) 8:2,9,10;29:21;32:7 comments (6) 4:18;29:18;41:22; 51:8;54:5,5 Commission (2) 11:24;27:25 commissioner (1) 11:24 committed (2) 5:11;7:8 communities (27) 8:14;9:1;15:21; 20:18,20,22,24;24:19, 20,25;28:11;40:9,10, 11;41:6;42:17,23; 43:14,22;44:17,18; 45:14,15;47:12,16,22; 51:13 communities' (1) 47:23 community (29) 10:19;18:22;19:6, 14,15,18;20:3;21:3, 10;22:3,13,13,23; 28:3,6,9,10,13;30:12; 31:15;32:25;38:4; 39:2,6;40:5;43:11; 44:20;46:4;49:11 companies (6) 16:19;17:1;21:5; 29:7;42:19;50:19 company (2) 5:15;42:24 comparing (1) 33:20 compelling (3) 47:4,11,17 compellingly (1) 46:2 competitors (1) 43:6 complete (2) 6:5;7:15 completely (2) 50:6;52:8 complex (1)	47:7 components (1) 25:25 concepts (1) 10:9 concern (14) 19:4,11;20:17; 22:10;29:17;31:13; 32:2,15,24,25;33:19; 34:1;38:17;42:15 concerns (19) 18:12;20:4,25; 21:19;26:11;29:15, 18,23;32:8;34:14; 38:18,19,19;42:6,9; 44:5,6,7;47:22 concur (1) 27:13 condition (3) 27:22;28:17;29:1 conditions (2) 7:5;27:19 conduct (3) 24:7;28:5;45:5 Conflict (2) 48:1,3 Congratulations (1) 41:3 connected (1) 9:3 connecting (1) 27:15 ConocoPhillips (2) 7:17;16:25 ConocoPhillips' (1) 19:21 consequence (1) 50:13 consequences (2) 50:16,22 consider (2) 8:10;52:12 consideration (1) 44:25 considered (1) 13:20 considers (1) 24:17 consists (1) 12:4 constrained (1) 9:14 consultation (1) 24:24 consulting (1) 42:1 contain (1) 5:14 containment (2) 5:10;7:4 CONTENTS (1) 54:25.5 context (1)
C				
calf (1) 48:14 call (6) 10:12;24:12;34:10; 37:9;39:6;42:11 called (1) 11:10 Camden (5) 5:9;31:8,10;35:2;				

<p>23:16 contingency (1) 5:24 continue (3) 26:2;46:18;48:25 continued (1) 23:3 contribute (1) 3:6 control (2) 5:15;39:25 conversation (1) 4:23 conversations (1) 47:21 Cook (1) 16:21 cooler (1) 21:21 cooperate (1) 20:10 cooperation (1) 42:5 coordinated (1) 23:22 coordination (3) 23:3,10;25:2 Cordova (2) 14:20,22 corner (1) 3:23 corporate (1) 21:16 corporation (9) 17:24,24;18:10,18; 20:25;21:16;22:11; 27:3;38:15 correctly (1) 22:11 cost (1) 14:19 Council (1) 10:17 counterparts (1) 15:21 country (1) 47:15 couple (4) 23:15;43:8;45:25; 50:1 courage (1) 52:17 course (1) 24:25 court (2) 3:25;54:5 created (2) 18:17;48:8 crew (2) 12:3;26:25 crews (3) 12:4,5;27:23 critical (2)</p>	<p>5:16,16 Cross (1) 31:10 Cully (1) 17:23 culture (2) 27:18;49:25 curious (2) 23:4,12 current (1) 49:15 currently (2) 38:3;42:1 currents (2) 15:18;33:8 curriculum (2) 25:23;26:1</p>	<p>deliver (2) 23:6;32:20 delivered (1) 6:19 demand (1) 16:15 democracy (2) 9:21,23 democratic (1) 10:2 demonstrate (1) 52:14 Department (7) 4:7;23:19;24:12; 43:23;44:9;45:20; 49:19 depend (1) 36:11 depending (1) 3:6 deploy (2) 5:10,18 deployment (1) 5:18 depth (1) 12:9 describe (1) 4:15 deserve (1) 45:15 develop (5) 6:16,25;23:6;25:24; 27:14 development (7) 22:24;27:12;29:19, 25;39:2;47:14;51:13 diesel (1) 16:13 difference (1) 21:20 differ (10) 12:14;17:1;18:14; 23:11,12;24:9;27:21; 33:7;41:5;46:10 difficult (1) 25:19 dig (1) 13:12 dinged (1) 19:2 directed (1) 24:6 directly (4) 18:10;20:3;40:15; 51:11 Director (2) 3:20;4:8 disaster (1) 46:16 discharge (1) 48:6 Discoverer (1) 6:7</p>	<p>discussion (3) 25:12;39:8,17 dismantle (4) 33:1,5,6,15 divide (1) 32:18 division (1) 42:1 docket (1) 10:7 dollars (3) 47:9;50:20,20 done (9) 8:24,24;10:13; 21:22;22:1,11;30:20; 42:21;47:15 doors (1) 38:9 down (27) 4:20;10:24,25;12:4; 13:13,18,22;14:22; 15:5,19,24;16:21; 17:25;24:13;27:23; 29:22,22;33:12,20,23, 24,24;39:14;40:1; 43:23;50:25;52:1 downside (1) 40:3 Dr (1) 4:8 draft (2) 8:8;52:1 drafting (1) 8:16 drill (7) 5:21,22;6:3,7;7:17; 16:17;29:5 drilling (22) 5:6,13;10:16;11:3; 15:17;16:8,12;18:4, 17;23:17;24:7;29:1; 32:15,24;34:15,16; 35:11,13;36:3;46:17, 18,21 drillings (1) 34:20 ducks (5) 12:14;14:1,14; 18:16;35:22 during (5) 13:25;28:11;32:18, 20;45:25 Dutch (1) 6:10</p>	<p>early (2) 8:14,18 ears (1) 45:4 easy (2) 17:11;50:8 economically (1) 42:23 economy (1) 46:19 EDITH (4) 41:24,25;47:25; 54:5 effect (1) 24:19 effective (3) 29:24;30:10;50:11 effects (4) 34:16;35:10;36:17, 20 effort (1) 26:3 efforts (3) 25:18,19;26:13 eggs (2) 14:11,13 eider (2) 18:16;19:1 eiders (2) 15:12;18:25 Eileen (1) 42:12 either (1) 38:9 Elders (1) 36:15 elected (1) 28:20 else (10) 9:2;11:12,20;26:20; 32:6,12;37:10;38:25; 41:21;46:11 embarked (1) 5:6 emergency (1) 5:16 emeritus (1) 27:6 emissions (1) 21:24 employers (1) 49:16 encourage (1) 26:7 end (2) 7:25;8:2 endangered (1) 15:12 endeavors (1) 26:3 Energy (2) 3:8;47:13 Enforcement (1)</p>
	D			
	<p>damage (1) 37:8 danger (1) 37:4 dangerous (2) 36:7,10 date (1) 21:22 Dave (1) 3:22 day (4) 11:3;26:22;33:5,16 days (2) 11:13;43:8 DC (1) 4:4 deadline (1) 29:21 deal (3) 5:24;18:19;26:11 dealing (2) 39:25;50:10 Dean (1) 39:1 dearly (1) 27:17 December (1) 28:24 decided (3) 18:2,19;39:5 decision (1) 40:17 deep (2) 46:17;52:22 deeply (1) 31:15 Deepwater (4) 11:1;12:8;15:24; 46:14 definitely (1) 41:14 degree (2) 40:14;46:24</p>			
			E	
			<p>ear (1) 49:1 earlier (11) 3:9,10,17;4:25; 9:18,18;17:4,7;44:13, 18;47:25</p>	

<p>3:21 engagement (1) 42:3 engineering (1) 46:23 enjoy (2) 12:25;17:6 enjoyed (2) 12:21;13:1 ensure (1) 8:22 entities (4) 27:22;28:19;30:1; 50:10 environment (3) 7:2;8:25;41:4 Environmental (2) 3:21;46:16 environmentally (1) 42:22 EPA (1) 23:19 equipment (6) 5:17,18;29:16;30:1, 3,10 Eskimo (1) 11:24 especially (1) 16:16 essential (1) 23:4 essentially (1) 6:3 evacuation (4) 29:24,25;30:4,11 evaluate (1) 7:23 even (6) 13:6;14:6;16:23; 38:8;45:16;46:20 evening (9) 4:11,13,23;32:13; 37:25;41:24;49:7,10, 17 event (3) 5:14;11:1;12:8 events (1) 50:3 everybody (11) 8:12,24;11:20;21:7; 30:9;32:19;34:14; 36:14,16;49:4;51:14 everybody's (1) 38:20 everyone (9) 4:12;5:6;6:9;8:1; 17:17;49:11;50:7; 52:9,10 everywhere (1) 29:20 exactly (3) 25:9;46:3;52:9 exceedance (1)</p>	<p>30:24 expectations (3) 8:3,5;23:23 experience (3) 6:17;35:17;46:11 experienced (2) 30:5;44:3 experiencing (1) 46:16 exploration (4) 5:13;7:5;8:23; 51:13 expose (1) 41:9 exposing (1) 41:7 extremely (6) 5:12;8:13,21;51:15, 16;52:13 Exxon (1) 15:6</p>	<p>12:14 feel (6) 9:14,21,21;10:24; 51:11,12 feet (2) 12:10;13:13 felt (2) 5:12;8:12 Fesmire (2) 3:19;5:19 few (5) 3:16;13:25;17:16; 49:5;50:25 fewer (1) 39:22 fields (2) 34:6,7 figure (1) 24:4 filled (1) 4:25 finalize (1) 8:10 finally (2) 37:18;44:4 financially (1) 36:5 find (4) 16:19,20;35:5;38:7 findings (1) 6:20 fined (1) 19:2 fines (2) 50:11,19 first (12) 3:17;10:7;16:17,18; 17:4;29:15;39:10; 43:1;45:24;48:20; 49:12;50:2 FISCHER (3) 37:25;38:1;54:..5 fish (6) 15:1,1;18:13;35:24; 36:1;48:21 fishing (1) 46:7 five (4) 11:13,15;34:23; 37:2 five-year (1) 50:17 flag (2) 10:21;26:22 flights (1) 11:21 flip (1) 39:20 floor (1) 38:8 flowing (1) 46:21 flown (1)</p>	<p>39:14 focus (1) 26:13 folks (3) 26:12,23;51:11 follow (2) 45:18;48:15 followed (1) 37:17 fond (1) 22:18 food (9) 12:12,12;13:2,6; 14:19;17:5;36:13; 43:3;46:9 foothills (1) 13:18 forbid (1) 20:1 forced (3) 18:18,18;21:14 forces (1) 39:25 forget (2) 17:11,12 forgotten (1) 17:10 formal (3) 8:8;9:22,22 former (1) 42:9 forth (1) 26:15 forward (12) 7:19;9:8;10:3; 17:20;22:19;32:11; 34:3,12;38:20;40:18; 41:21;49:8 found (4) 30:22;36:23;37:2, 19 four (1) 11:12 Friday (2) 4:13;51:20 front (1) 43:17 frustrating (1) 43:18 frustration (1) 44:2 fuel (1) 17:3 full (1) 30:17 full-time (1) 49:13 fundamental (1) 46:19 funding (3) 19:16,17;30:3 funds (1) 44:14</p>	<p>further (4) 12:13,15;36:6,11 future (4) 6:4;7:21;12:6;16:9</p>
G				
			<p>game (2) 36:6;39:21 garden (1) 9:5 gas (5) 5:5;9:9;16:13; 24:18;51:12 gave (2) 18:13;43:8 geese (2) 14:1,14 general (3) 24:15;37:1,21 generally (1) 47:13 gentlemen (2) 3:3;17:16 genuine (1) 51:7 gets (3) 16:22;36:8;44:15 given (6) 8:22;19:12;29:19; 30:20;31:25;52:7 giving (1) 43:18 global (1) 16:23 Glover (3) 39:1,1;54:..5 God (2) 16:4;20:1 goes (10) 8:20;9:8;12:13,15; 13:18;16:19;23:15; 32:19;36:13;42:7 Good (15) 4:11,23;32:13; 33:18,18;34:23;36:9; 37:25;41:14,24; 47:14;48:14;49:10, 17;50:12 government (14) 6:23;8:20;9:24,24; 14:17;19:15;21:14; 23:4;24:14;27:22; 28:19;44:4;45:11; 47:7 grandchildren (4) 12:21,25;17:6,13 grandkids (1) 13:6 great (3) 22:10;45:23;52:24 Greenland (1) 15:22</p>	

ground (1) 16:18	6:13;13:10;15:23; 21:19,20,23;50:4	25:8	ideas (1) 10:9	13:15,21
grounded (1) 6:11	happening (4) 24:18;37:11;47:21; 50:9	hire (2) 26:14;43:7	Ilasagvik (2) 22:24;39:2	input (3) 8:15;38:20;52:12
grounds (1) 35:4	happens (6) 8:23;12:7,11,19; 14:3;20:1	hitting (1) 33:13	impact (4) 31:19;42:16;44:13; 46:5	inserted (1) 27:10
group (1) 41:13	Harbor (2) 6:10;28:24	home (6) 31:21;34:10;38:16; 39:6,6;42:11	impacted (6) 11:7;31:15;44:8,19; 45:2,15	inspection (1) 6:8
groups (3) 48:2,9,15	hard (2) 38:7;50:3	homework (1) 22:1	impacts (3) 24:19;32:3;46:6	instant (1) 36:9
grow (1) 46:22	hardly (1) 15:4	hope (9) 9:15;16:20;18:7; 20:1,6,10,11;40:15; 46:1	implement (1) 43:9	instead (1) 44:1
growing (1) 38:12	harm (1) 22:14	hoped (1) 52:10	important (11) 4:19;5:12;8:13,22, 22,25;10:4;24:21; 30:14;50:1;51:16	integrated (2) 24:11,12
Guard (3) 6:9,12;23:19	Harrison (1) 4:3	hopefully (4) 16:18;17:9;44:22; 48:24	imposed (2) 7:3,23	interact (1) 24:20
guess (3) 19:2;23:4;49:23	harvest (4) 13:7;14:9,10,11	Horizon (4) 11:1;12:8;15:24; 46:14	impossible (1) 52:7	interacting (1) 9:23
guide (1) 8:18	hate (3) 13:9;14:21;16:8	hotels (1) 31:17	impress (1) 47:1	Interior (8) 3:18;4:7;6:15; 23:18;24:12;44:10; 45:20;49:19
Gulf (9) 21:20;33:9,10,20, 20,24,24;46:6,13	hats (2) 10:18;11:23	hour (1) 33:2	improve (2) 7:9;41:6	International (1) 27:25
guts (1) 43:19	haul-out (1) 11:15	House (3) 25:9;38:9;42:13	inadvertently (1) 11:16	interview (1) 43:5
guy (1) 49:14	head (1) 22:15	housing (2) 31:16,22	incidents (1) 6:14	into (13) 6:3;8:6,17;12:18; 25:25;26:4;30:25; 35:20,25;36:1,2; 37:15;44:24
guys (12) 28:21;29:13,15; 30:12,13;31:4;32:7, 16,22;36:22;38:22; 49:18	health (3) 31:18;32:4;42:16	hub (2) 31:18;32:4	Included (1) 6:19	introduce (3) 22:20;38:10,23
guys' (1) 32:7	hear (6) 9:3;10:15;25:6; 38:18;40:10;51:1	human (2) 46:8,10	including (3) 7:4;25:9;49:11	introduced (2) 45:8,19
H	heard (14) 11:3,14;29:15,22; 30:5;40:4;44:13,18; 45:4;47:3;49:2;51:8; 52:3,6	hunt (12) 12:2,2,2,3;13:3,3; 27:24,25;28:15,18; 35:24;37:21	incorporate (2) 25:22;26:4	introduction (1) 50:5
half (2) 4:25;40:23	hearing (8) 9:13,20;10:5,19; 18:1;38:20;45:25; 47:1	hunted (1) 34:8	incredibly (1) 47:6	introductions (1) 3:16
halfway (2) 11:5;44:1	heartfelt (1) 51:7	hunter (3) 12:1,1,22	indicated (1) 47:6	Inupiat (4) 16:5;25:23;49:25, 25
Hall (1) 49:21	hearts (2) 10:11;51:21	hunters (2) 19:25;36:4	industries (1) 46:7	investigation (1) 6:12
HALLER (16) 3:2,7,15;10:6; 17:15,25;22:17; 26:19;29:9;32:10; 34:2;37:23;38:24; 41:20;49:3;50:24	held (3) 9:9;28:7,9	hunting (4) 28:16;35:22;36:19; 41:5	industry (14) 6:22;18:9;23:1; 30:7;32:2;42:3,19; 43:15,15;44:22;48:2, 9,15;50:18	investing (1) 40:21
hand (4) 18:18;21:13,13; 24:1	Hello (1) 34:4	hurt (1) 27:16	information (5) 4:20,21;51:23,25; 52:15	invite (1) 10:11
handle (1) 29:1	help (12) 8:17;19:8,14,23; 26:11;30:9;43:9,12; 44:10;45:7,13,21	hydrocarbon (1) 5:22	informed (3) 33:1;37:11,20	invocation (3) 3:9,11,14
hands (1) 40:17	helpful (1) 26:17	hydrocarbons (2) 13:14;16:13	informed (3) 33:1;37:11,20	involved (7) 9:11;43:15;47:7,8; 50:9,13;51:10
Hannah (1) 11:10	herds (1) 24:21	I	infrastructure (4) 20:17,18,21;42:18	inward (1) 6:22
happen (12) 10:23,23;11:2,15; 13:24;14:17;15:7; 16:9,9;25:10;50:7,15	high (1) 9:9	ice (6) 16:22;27:19,22; 28:23;29:1,3	inherited (1) 38:14	IRA (1) 10:17
happened (7)	higher (1) 25:13	Icy (1) 14:6	initially (1) 25:24	island (3) 11:16;14:10;31:10
	high-level (1)	idea (3) 6:3;24:10;36:25	Inlet (1) 16:22	islands (2) 27:14,16
			inlets (2)	issue (4) 31:23;32:2;47:17, 20

<p>issues (9) 7:10;18:4;26:10; 39:7;51:10,11,14,15, 18 ITTA (3) 29:11,12;54:.5</p>	<p>12:13,14 Kulluk (2) 6:10,11</p>	<p>least (5) 8:1;11:25;20:22; 22:15;36:12 leave (2) 38:22;49:7 leaves (1) 44:22 led (1) 6:14 Ledyard (4) 18:14,14,24;19:3 left (8) 3:19,21;4:1,2,8; 24:1;31:21;50:25 legislation (2) 45:8,13 less (1) 33:1 lessons (1) 6:17 leukemia (2) 30:25;31:2 level (5) 24:11,13;25:5,13; 46:10 liaison (2) 3:7;38:4 life (2) 36:18;46:24 lifelong (1) 38:2 lift (1) 46:17 lightly (2) 44:25;47:9 likely (1) 7:15 limit (2) 27:10;45:16 limited (1) 40:14 lines (1) 37:15 listed (5) 20:13;21:2,6,9,11 listen (3) 44:5,7;45:6 listened (1) 42:6 listening (6) 4:16;29:14;32:8; 45:4;48:24;49:1 lists (1) 24:9 little (5) 5:3;25:16,17,19; 36:14 live (1) 13:16 livelihood (1) 48:22 lives (1) 17:14</p>	<p>local (5) 19:9;24:25;26:14; 28:20;47:16 located (1) 20:12 long (5) 37:16;42:21;49:1; 50:16,17 longer (2) 3:5;18:3 longest (1) 13:20 look (12) 7:9;8:1;10:3;24:22; 26:10;29:20;32:11; 34:12;36:6,11;44:20; 47:3 looked (1) 33:17 looking (3) 3:10;6:22;38:20 looks (2) 16:19;51:3 lose (8) 12:12,19;13:1,2; 14:16;40:23,23,24 lost (4) 5:15;6:10;31:1,1 lot (31) 15:13,25;18:15; 20:7,17,23,23;21:6, 22;22:10,24,25;24:4; 30:8,11;31:24;33:8, 11;35:6,10,13,15,23, 25;36:1,4,4;38:17; 46:15,22;52:17 lots (1) 9:14 loud (1) 51:9 Louisiana (4) 11:1;15:24;46:15, 23 love (6) 12:20;13:6;16:2,2; 34:11;51:1 lover (1) 49:24 loves (1) 36:14 Lower (1) 15:8 lowering (1) 41:14 lungs (1) 12:18</p>	<p>main (3) 31:18;32:4,24 mainland (2) 13:16;14:9 maintenance (1) 36:21 majority (1) 15:16 makes (7) 25:18;26:15;34:20; 36:5,7,10;50:7 making (2) 8:20;45:23 mammal (2) 23:7;25:24 mammals (2) 36:11;48:21 Management (3) 3:8;24:13;43:17 manager (2) 22:23;42:2 manner (3) 26:14;42:22;43:13 many (6) 10:18,20;35:11; 41:5;42:9;45:19 March (1) 6:19 marching (2) 42:20,24 marine (2) 23:7;25:24 Mark (2) 3:19;5:19 MARTHA (5) 29:11,11;32:10; 35:1;54:.5 MARTY (4) 17:22;18:1;22:17; 54:.5 Marty's (1) 26:11 Mary (3) 3:25;4:19;51:24 Mary's (1) 22:21 may (15) 3:24;5:9,23;6:4; 7:14,21;17:10;30:5; 36:8;45:5,22;47:13, 14;49:5,6 maybe (6) 9:22;11:13;15:10, 22;26:8;39:15 mayor (3) 27:5,6;42:9 mean (4) 30:9,17;43:21; 50:21 meaningful (2) 50:15,22 measures (3) 7:24;43:9,10</p>
<p>J</p>	<p>L</p>			
<p>James (1) 4:8 jeopardize (2) 14:4;15:11 jeopardizes (2) 12:12;17:4 Jewell (1) 47:5 job (2) 37:12;46:24 jobs (1) 46:22 Johnston (1) 3:22 joined (1) 17:16 JOSHUA (3) 49:10,12;54:.5 JR (3) 26:24,25;54:.5 jump (1) 50:8</p>	<p>lack (1) 41:10 ladies (2) 3:2;17:16 lady (1) 3:23 Lagoon (11) 13:17,18,20,23,23; 14:2,5,5,9;18:13;19:3 Lakeisha (2) 4:3,3 land (8) 13:7;14:15;16:17, 20;17:4;28:7;34:11; 43:10 landing (1) 39:13 lands (3) 18:8,11;21:16 landscape (1) 24:23 landscaped (1) 25:13 large (1) 46:19 last (12) 5:6;7:7;9:17;19:3; 28:2;30:6,18,20; 31:13;33:2;35:17; 44:3 late (1) 42:12 Lay (17) 10:17;11:14;15:15; 17:24;18:6,13;19:7, 10,12;20:6,10,14; 21:8;22:6,12;40:6,14 leaders (1) 44:20 learned (1) 6:17 Leary (5) 22:22,22;25:15; 26:18;54:.5 L-E-A-R-Y (1) 22:23 lease (4) 10:20;19:21;43:16, 25 leaseholders (1) 7:20 leases (8) 7:20;19:21;21:14; 30:13,13;31:4;40:6; 44:12 leasing (2) 31:8,11</p>	<p>least (5) 8:1;11:25;20:22; 22:15;36:12 leave (2) 38:22;49:7 leaves (1) 44:22 led (1) 6:14 Ledyard (4) 18:14,14,24;19:3 left (8) 3:19,21;4:1,2,8; 24:1;31:21;50:25 legislation (2) 45:8,13 less (1) 33:1 lessons (1) 6:17 leukemia (2) 30:25;31:2 level (5) 24:11,13;25:5,13; 46:10 liaison (2) 3:7;38:4 life (2) 36:18;46:24 lifelong (1) 38:2 lift (1) 46:17 lightly (2) 44:25;47:9 likely (1) 7:15 limit (2) 27:10;45:16 limited (1) 40:14 lines (1) 37:15 listed (5) 20:13;21:2,6,9,11 listen (3) 44:5,7;45:6 listened (1) 42:6 listening (6) 4:16;29:14;32:8; 45:4;48:24;49:1 lists (1) 24:9 little (5) 5:3;25:16,17,19; 36:14 live (1) 13:16 livelihood (1) 48:22 lives (1) 17:14</p>	<p>local (5) 19:9;24:25;26:14; 28:20;47:16 located (1) 20:12 long (5) 37:16;42:21;49:1; 50:16,17 longer (2) 3:5;18:3 longest (1) 13:20 look (12) 7:9;8:1;10:3;24:22; 26:10;29:20;32:11; 34:12;36:6,11;44:20; 47:3 looked (1) 33:17 looking (3) 3:10;6:22;38:20 looks (2) 16:19;51:3 lose (8) 12:12,19;13:1,2; 14:16;40:23,23,24 lost (4) 5:15;6:10;31:1,1 lot (31) 15:13,25;18:15; 20:7,17,23,23;21:6, 22;22:10,24,25;24:4; 30:8,11;31:24;33:8, 11;35:6,10,13,15,23, 25;36:1,4,4;38:17; 46:15,22;52:17 lots (1) 9:14 loud (1) 51:9 Louisiana (4) 11:1;15:24;46:15, 23 love (6) 12:20;13:6;16:2,2; 34:11;51:1 lover (1) 49:24 loves (1) 36:14 Lower (1) 15:8 lowering (1) 41:14 lungs (1) 12:18</p>	<p>main (3) 31:18;32:4,24 mainland (2) 13:16;14:9 maintenance (1) 36:21 majority (1) 15:16 makes (7) 25:18;26:15;34:20; 36:5,7,10;50:7 making (2) 8:20;45:23 mammal (2) 23:7;25:24 mammals (2) 36:11;48:21 Management (3) 3:8;24:13;43:17 manager (2) 22:23;42:2 manner (3) 26:14;42:22;43:13 many (6) 10:18,20;35:11; 41:5;42:9;45:19 March (1) 6:19 marching (2) 42:20,24 marine (2) 23:7;25:24 Mark (2) 3:19;5:19 MARTHA (5) 29:11,11;32:10; 35:1;54:.5 MARTY (4) 17:22;18:1;22:17; 54:.5 Marty's (1) 26:11 Mary (3) 3:25;4:19;51:24 Mary's (1) 22:21 may (15) 3:24;5:9,23;6:4; 7:14,21;17:10;30:5; 36:8;45:5,22;47:13, 14;49:5,6 maybe (6) 9:22;11:13;15:10, 22;26:8;39:15 mayor (3) 27:5,6;42:9 mean (4) 30:9,17;43:21; 50:21 meaningful (2) 50:15,22 measures (3) 7:24;43:9,10</p>
<p>K</p>				
<p>Kaktovik (2) 16:7;48:7 Kasegaluk (2) 13:17;18:13 KATHY (5) 22:22,22;25:15; 26:18;54:.5 keep (5) 16:13,13;29:17; 33:13;45:17 Kendall (1) 4:8 kid (1) 34:13 kind (8) 12:11;19:16;23:15; 25:12;29:4;38:5;41:2; 48:11 kinds (1) 23:8 knowledge (1) 25:25 knows (3) 5:6;6:9;16:17 Kodiak (1) 6:11 Kotzebue (1) 11:6 krill (2)</p>			<p>lots (1) 9:14 loud (1) 51:9 Louisiana (4) 11:1;15:24;46:15, 23 love (6) 12:20;13:6;16:2,2; 34:11;51:1 lover (1) 49:24 loves (1) 36:14 Lower (1) 15:8 lowering (1) 41:14 lungs (1) 12:18</p>	<p>lots (1) 9:14 loud (1) 51:9 Louisiana (4) 11:1;15:24;46:15, 23 love (6) 12:20;13:6;16:2,2; 34:11;51:1 lover (1) 49:24 loves (1) 36:14 Lower (1) 15:8 lowering (1) 41:14 lungs (1) 12:18</p>
			<p>M</p>	
<p>ma'am (2) 17:20;22:19 MacLean (1) 42:12</p>				

meat (2) 28:10;32:20	mission (1) 26:6	32:14;34:4;38:1; 49:11,12	8:11;40:25,25	15,16;16:16;17:5; 22:15;33:6,15;39:9; 51:13
media (2) 11:18,19	mitigate (5) 39:18,19,19,22; 41:13	NATHANIEL (3) 26:24,25;54:.5	North (14) 8:14;11:15;12:24; 27:4,12,13;28:25; 29:6,16;37:3;40:8; 43:22;44:7;49:14	offer (5) 17:17;38:25;40:22; 41:22;49:5
meet (4) 11:25;43:22,24; 44:1	mitigating (1) 41:11	Native (6) 17:24;27:2;29:5,7, 12;38:14	northern (1) 24:15	offered (2) 3:14;41:2
meeting (4) 3:12;8:7;28:2; 32:25	moment (2) 3:9;49:21	natural (1) 13:5	Norway (1) 15:22	offering (1) 3:11
meetings (6) 22:13;39:9;40:5; 41:18;42:5;45:5	monetary (2) 50:11,19	NBC (1) 11:18	note (1) 4:25	office (3) 4:2;38:6,9
member (3) 12:3;27:1;38:13	money (6) 14:18;40:21,23,24, 24;45:11	NEAKOK (5) 3:13,14;10:14,16; 54:.5	noted (2) 18:5,8	officer (2) 4:3,7
memories (1) 22:18	monitoring (4) 30:16,17,21;31:4	N-E-A-K-O-K (1) 10:16	notes (4) 4:24;27:5;51:24,24	officers (2) 3:22;4:1
mention (2) 15:17;21:18	months (1) 34:11	near (3) 6:11;13:19;22:9	notice (1) 8:3	officials (2) 25:8;28:20
mentioned (5) 17:1,7;20:16;35:2; 50:4	moratorium (1) 46:17	necessary (1) 7:10	noticed (1) 23:2	offset (1) 14:19
Mexico (5) 21:20;33:10,20,24; 46:14	more (23) 13:5;16:17;17:9,16; 22:8,10;23:22;24:11; 25:13,13,19;26:13; 30:13,13;31:4;33:11, 23;36:7,10;40:14; 46:21;50:14,15	need (22) 3:4,5;6:25;7:9;9:7; 19:8,17,22,22,23; 20:21;21:10,11; 24:21;28:18,19,22,25; 29:4,22;30:16;44:20	nowadays (1) 16:23	offshore (16) 5:4;7:2,12,8;23; 9:9;10:15;11:3;15:17; 16:8;27:13;32:15,24; 34:15,16;35:10;49:20
MICHAEL (8) 3:2,7,15;26:19; 29:9;32:10;37:23; 41:20	morning (1) 43:16	needed (2) 16:15;29:16	NPR-A (3) 19:11,13;44:14	oil (49) 5:5,12,23;9:9; 10:20;12:11,18,18; 13:13;14:3,4;15:17; 16:10,17,19,20,21,22, 24;17:3;18:4,17,22, 23;19:5,7,24;20:1,5, 13,15;21:3,4,7,9,25; 22:4,7;24:18;31:25; 34:6,7;39:12,13;40:6; 44:12;50:9,10;51:12
microbes (1) 12:13	most (4) 4:18;10:4;33:5; 42:15	needing (1) 29:16	Nuiqsut (9) 16:7;29:13,19;34:6, 8,21;35:12;40:15; 48:7	oil-soaked (1) 15:19
MIDNIGHT (1) 54:.5	mostly (2) 16:3;33:16	needs (7) 9:9;16:12;17:3; 19:19,19;30:14,20	NUKAPIGAK (3) 34:4,5;54:.5	old (6) 12:23;17:11;31:1; 34:7,9;36:19
might (6) 10:23;11:12;13:12; 16:9,23;26:10	mother (1) 38:16	negotiation (1) 41:7	N-U-K-A-P-I-G-A-K (1) 34:5	OLEMAUN (3) 26:24,25;54:.5
migrating (1) 13:22	motor (1) 37:8	nervous (1) 52:21	number (5) 6:20;7:3;25:8;39:8, 14	Olgoonik (1) 38:15
migration (2) 35:3,24	motors (1) 37:15	new (2) 7:17;47:5	observe (1) 35:8	once (1) 27:15
Mike (9) 4:1;10:6;17:15,25; 22:17;34:2;38:24; 49:3;50:24	moving (1) 6:10	next (8) 4:5;25:6,7,10,12; 26:20;32:11;39:11	observer (2) 25:24;29:6	one (35) 3:22;4:1;6:1,24; 10:18;11:3,19,23; 12:4,12;14:21;18:5, 21;19:8,24,24;20:3, 16;21:18,21,22; 23:24;25:2,21;28:1; 30:6,7;31:1,35:3; 37:16,19;39:10; 40:11;41:18;43:5
miles (13) 11:4,6,15;13:19; 19:20,21;27:10; 34:21,22,23,25;37:2,2	much (31) 3:15;4:12;9:12; 10:1,1;16:17;17:21; 20:14,14;21:9;23:22; 24:16;25:4,13,13; 26:19;29:9;34:2; 36:12;37:24;39:24; 41:20,23;45:6;49:3; 50:21,24;51:7,17; 52:16,24	nice (1) 37:20	observers (2) 23:7;29:7	ones (1) 7:17
mind (5) 3:11;9:16;10:11; 23:1;51:22	motor (1) 37:8	night (4) 4:13;33:5,16;51:20	occur (2) 20:2,21	ongoing (1) 6:12
minds (2) 5:16;9:7	motors (1) 37:15	nine (1) 30:22	occurs (2) 19:24,25	only (24) 6:2;7:11;11:4,19;
mine (1) 50:22	moving (1) 6:10	NMFS (1) 23:5	Ocean (27) 3:8;8:25;9:3,4; 10:22;11:4;12:2,20; 13:1,5,8,16,24;14:8, 16,16;15:10;16:16; 21:21,21;22:1;33:6, 19;34:12;35:18; 36:13;43:10	
minerals (1) 43:17	muktuk (2) 28:10;32:20	NOAA (2) 23:5,18	oceans (1) 33:7	
minimum (1) 30:17	myself (6) 15:14;36:20;38:10, 23;45:18;51:16	Noble (1) 6:7	OCS (6) 27:8,11;43:2,2; 45:9,21	
mishaps (1) 6:6		nobody (3) 30:8,9;37:14	off (12) 11:20;13:2;14:10,	
missed (1) 18:1		noise (1) 34:20		
	N	Nome (1) 11:25		
	name (11) 3:6;10:16;18:14; 22:20;26:24;29:11;	none (1) 14:23		
		normal (3)		

<p>12:9,23;13:7;15:5,9, 14,21;16:4,6;19:14; 25:7,22;31:5,15;32:3; 33:4;40:3;46:5;49:4; 50:2</p> <p>onshore (1) 34:20</p> <p>onto (2) 12:13;36:13</p> <p>open (3) 10:12;29:3;38:10</p> <p>operation (1) 5:13</p> <p>operator (1) 7:12</p> <p>operators (1) 8:3</p> <p>opinions (1) 10:9</p> <p>opportunity (1) 49:19</p> <p>opposition (2) 45:10,10</p> <p>options (1) 43:18</p> <p>order (5) 9:25;24:24;25:19; 42:21,24</p> <p>ordinary (1) 52:19</p> <p>organization (1) 44:10</p> <p>originally (1) 23:17</p> <p>Others (1) 6:22</p> <p>ought (1) 9:24</p> <p>ours (1) 22:21</p> <p>ourselves (3) 6:25;31:6;52:2</p> <p>out (49) 6:17;7:17;8:9; 11:21;12:2,22;13:23; 15:18;17:2,2;18:12; 19:9,10,20,21;21:14, 25;24:4;26:12,23; 27:1,24;28:23;29:23; 33:4,12,14;34:11,22; 35:6,8,9,18,19;36:6, 11,24,25;37:5,13,18, 19,21;43:19;45:2; 48:25;49:21;51:20; 52:22</p> <p>outboard (2) 37:8,15</p> <p>outboards (1) 16:14</p> <p>outlying (2) 28:13;32:4</p> <p>outreach (1) 4:16</p>	<p>outset (2) 8:14;51:19</p> <p>outside (2) 40:17;45:16</p> <p>over (12) 3:19,23;4:17;9:3,4; 10:3;21:7;35:13;38:6, 7;42:5;44:3</p> <p>owe (1) 52:11</p> <p>own (2) 19:6;30:21</p> <hr/> <p style="text-align: center;">P</p> <hr/> <p>pad (1) 4:25</p> <p>PAGE (1) 54:5</p> <p>pains (1) 18:3</p> <p>panic (1) 30:11</p> <p>paper (2) 33:18,19</p> <p>part (10) 4:19;6:11;9:20; 10:4;22:12;43:18; 44:4,15,16;46:19</p> <p>participate (2) 10:2;27:12</p> <p>participated (1) 52:20</p> <p>participating (1) 52:16</p> <p>particular (3) 8:14;23:16;49:23</p> <p>passed (1) 45:13</p> <p>passionately (1) 46:2</p> <p>past (4) 19:3;49:12,14,15</p> <p>Pat (1) 4:6</p> <p>patch (1) 12:18</p> <p>PATRICK (3) 32:13,14;54:5</p> <p>paying (1) 37:5</p> <p>people (31) 9:2,23,25;10:24; 13:11;15:16,25;16:5; 19:4,9;22:4;26:11; 28:8;31:17,20,24; 38:18;40:25;42:22; 43:7,16;44:2,7;46:9, 15,15;47:22;48:16; 51:12,18;52:11</p> <p>percent (1) 36:12</p> <p>perhaps (3)</p>	<p>3:5;6:4;49:6</p> <p>permitting (1) 42:4</p> <p>personal (1) 47:10</p> <p>personnel (2) 33:6,15</p> <p>perspective (3) 7:6;24:17;47:23</p> <p>petroleum (1) 46:23</p> <p>philosophically (1) 25:4</p> <p>picked (2) 30:23;37:16</p> <p>pieces (3) 26:2,4,5</p> <p>pipeline (3) 15:8,9;22:9</p> <p>place (4) 30:14,15;39:10; 49:20</p> <p>placed (1) 22:7</p> <p>plan (6) 20:6;29:24,25;30:4, 11;43:20</p> <p>plane (1) 39:16</p> <p>planned (1) 42:5</p> <p>planning (3) 20:20;24:17;26:9</p> <p>plans (1) 7:5</p> <p>plants (1) 16:14</p> <p>plate (2) 44:5;48:4</p> <p>platforms (1) 17:2</p> <p>playing (1) 39:21</p> <p>Please (6) 17:20;26:20;34:3; 37:24;38:25;49:9</p> <p>point (30) 9:17;10:17;11:14; 15:15;17:24;18:6,7, 12;19:6,10,12;20:6,6, 10,10,11,14;21:8; 22:6,12;26:23;40:13, 14;45:23,23,24;46:1; 49:7;50:2,3</p> <p>polar (2) 13:4;28:17</p> <p>portion (1) 42:3</p> <p>positive (1) 48:24</p> <p>possible (1) 39:24</p> <p>potential (2)</p>	<p>35:12;51:12</p> <p>potentially (1) 7:16</p> <p>Pourchot (1) 4:6</p> <p>power (3) 16:14;27:9,11</p> <p>prefer (1) 43:21</p> <p>preparation (1) 21:1</p> <p>prepare (1) 52:1</p> <p>prepared (2) 5:23;42:17</p> <p>presence (2) 31:14,16</p> <p>PRESENTATION (1) 54:5</p> <p>presented (1) 27:5</p> <p>President (2) 10:17;17:23</p> <p>pretty (7) 16:22;17:11;25:3; 37:16;39:11;47:4,11</p> <p>preventative (1) 36:21</p> <p>Prince (7) 10:25;12:7;13:10; 14:20,23;15:4;21:24</p> <p>principles (1) 6:20</p> <p>priority (1) 48:21</p> <p>private (3) 18:8,11;39:3</p> <p>proactive (2) 18:21;21:15</p> <p>proactively (2) 18:19,20</p> <p>probably (3) 22:14;29:17;40:18</p> <p>problem (1) 18:17</p> <p>problems (1) 6:7</p> <p>procedures (1) 29:4</p> <p>P-R-O-C-E-E-D-I-N-G-S (1) 3:1</p> <p>process (9) 8:8,11,15,17;10:2; 23:12,13,23;43:5</p> <p>program (3) 6:16;7:7;25:24</p> <p>programming (1) 25:18</p> <p>programs (1) 5:7</p> <p>progress (1) 40:16</p> <p>project (1)</p>	<p>24:6</p> <p>project-by-project (1) 24:16</p> <p>promise (3) 47:18,19,23</p> <p>proposal (2) 24:7,7</p> <p>proposals (1) 23:17</p> <p>propose (2) 7:21;8:8</p> <p>proposed (2) 8:1,16</p> <p>prospect (5) 5:8,8;11:5,8,9</p> <p>protect (4) 9:25;24:22;30:15; 48:13</p> <p>protected (2) 21:12;48:22</p> <p>protecting (1) 31:6</p> <p>protective (3) 9:7;43:9,10</p> <p>prove (1) 52:15</p> <p>provide (2) 4:17;14:18</p> <p>provided (2) 16:4;28:9</p> <p>provides (1) 8:10</p> <p>Prudhoe (3) 27:15;30:19;34:6</p> <p>public (3) 8:9,9;45:25</p> <p>pumping (1) 17:2</p> <p>purchase (1) 39:5</p> <p>purpose (1) 4:15</p> <p>pushing (2) 46:17,21</p> <p>put (19) 6:18;7:1,10,24;8:5, 9;17:2;19:9;27:16; 28:17;29:22,22,23; 30:2,14;40:12;47:8, 20;51:21</p> <p>puts (1) 21:4</p> <p>putting (4) 8:3;26:8;29:14; 36:2</p> <hr/> <p style="text-align: center;">Q</p> <hr/> <p>quite (2) 8:4;13:24</p> <p>quota (1) 28:1</p>
--	--	---	---	---

	4:22;48:5,16 regarding (1) 18:4	26:2 reside (1) 27:4	4:1 ruin (3) 41:4,5,5	12:15,17 seals (3) 12:2;35:22,22
R	regards (3) 18:15;20:18;21:23 Region (5) 3:20,23;4:2,9;27:16 Regional (2) 3:20;27:3 regulation (1) 8:6 regulations (5) 7:1,11,24;23:11; 49:20 regulators (1) 6:23 regulatory (6) 7:6;23:8,23;26:4,9; 50:21 relevant (1) 23:20 reluctant (1) 43:2 remarks (5) 38:25;39:3;41:22; 49:5,8 remember (2) 42:12;52:3 remembered (1) 3:8 remnants (1) 13:13 remove (1) 39:24 removed (1) 27:9 removing (1) 39:22 report (2) 6:18,20 reporter (1) 3:25 REPORTERS (1) 54:5 reports (2) 24:9,10 represent (2) 49:15,22 representation (2) 28:19,22 representative (1) 38:5 representatives (2) 38:22;42:13 repropose (2) 7:14,15 Repsol (2) 17:1;30:7 required (2) 5:11;23:9 rescue (1) 37:9 research (1)	residence (1) 28:7 resident (3) 14:19;38:2;49:13 residents (3) 23:7;28:21;49:17 resource (1) 47:14 resources (1) 31:6 respect (5) 7:7;9:19;10:1; 23:16;52:22 response (16) 5:16;18:23;19:5,7, 17;20:5,7,13,15;21:3, 7,9;22:4,8;23:8;52:5 responsibly (1) 8:24 responsive (1) 26:14 revenue (5) 45:9,14,18;47:6,9 revenues (2) 44:11;45:21 review (1) 6:16 riding (1) 37:7 rig (4) 6:7;33:4,15;46:24 right (12) 4:6;7:22;10:10; 11:10;14:11;15:5; 22:15;24:1;27:19; 29:23;35:21;47:15 rigs (6) 16:21,22,24;29:2; 33:1,6 risk (15) 39:18,19,20,20,22; 40:1,3,12;41:9,11,14, 14,15;44:16;46:4 River (2) 35:25;37:3 rivers (1) 36:2 road (2) 21:4;27:15 rock (2) 5:23;6:3 RONALD (3) 37:25;38:1;54:5 rough (1) 14:8 roulette (2) 39:21;40:2 route (2) 35:3,24 Routhier (1)	rule (3) 8:8,11,20 rule-making (2) 8:8,11 rules (5) 7:1,9;8:1,17;52:2 run (1) 3:4 running (3) 24:9;37:14;50:5 Russian (3) 15:21;39:21;40:2	search (1) 37:9 season (1) 27:23 seasonal (1) 49:13 second (3) 3:3;34:18;38:16 seconds (2) 49:6;51:2 Secretaries (1) 47:11 Secretary (13) 3:18;4:6,10;6:15, 19,21;7:8;10:7;16:25; 47:2,5,5;51:3 Secretary's (1) 47:20 security (1) 47:13 seeing (2) 16:24;50:9 seek (1) 7:12 seem (1) 36:8 seems (3) 21:2,4;49:4 seismic (5) 35:16,19,20;36:24; 37:12 sell (1) 30:13 send (2) 19:4,9 senior (1) 4:6 sense (1) 26:15 sensitive (1) 15:1 series (1) 6:6 seriously (3) 51:15;52:13,14 serve (2) 28:10,11 service (2) 26:21,22 session (6) 3:3,10;4:16;5:1; 9:18;10:4 set (1) 6:17 setting (3) 35:19;37:13,19 Seward (1) 6:9 share (5) 9:15;10:9;28:11,12,
radar (1) 47:20 raise (1) 39:5 raised (6) 10:21;32:14;38:2, 11;39:4;42:10 raises (1) 9:6 ran (1) 15:6 rather (1) 24:16 reach (1) 45:1 read (1) 41:17 reading (1) 20:5 ready (1) 26:11 real (1) 46:8 really (14) 4:18;9:13;19:5; 24:22;25:4,15;26:17; 30:19;31:3;50:2,3,11, 18;51:7 reason (2) 4:19;8:7 reasonably (1) 24:4 reasons (1) 6:12 reassure (1) 45:21 receive (5) 4:21;19:15;44:13; 45:9,14 recent (1) 24:9 recently (1) 7:18 recipients (1) 14:22 recognized (1) 10:18 recognizing (1) 26:6 recommendations (2) 6:21,24 record (2) 4:23;11:19 recovering (1) 13:12 red (1) 10:21 reducing (1) 40:3 reference (3)			S sacrifice (1) 4:13 safe (2) 14:7;42:22 safely (1) 8:24 Safety (3) 3:21;29:4;42:16 Salazar (2) 6:15;47:2 sale (1) 43:25 sales (2) 10:20;43:16 same (4) 17:17,22;19:23; 20:8 sanctuary (2) 18:16;19:1 satisfactory (1) 7:6 satisfy (1) 52:9 saying (1) 29:20 scattered (1) 25:17 scenario (4) 13:10;14:4;16:10; 24:17 scheduled (1) 3:4 sciences (1) 26:1 screen (1) 47:21 Sea (18) 5:5,7;6:8;11:4; 12:3;13:1;15:19; 16:16;18:6,9;19:22; 20:12;36:11;39:12, 14;42:7;48:5,21 seagulls (1) 14:14 seal (2)	

13 shareholder (4) 27:2,3;38:13,13 shares (1) 38:14 sharing (4) 45:9,14,18;47:6 sheen (1) 14:24 Shell (26) 5:6,9,17,21;7:4,11, 14,23;14:18;16:25; 18:23;19:1;20:5;22:2; 23:17,24,25;24:7; 32:25;33:3,17;38:4,5; 42:7;48:4;50:10 Shell's (4) 6:16;7:7;19:21; 31:14 ships (2) 37:19;50:5 shoal (2) 11:10,10 shore (1) 14:10 short (1) 29:17 shortcomings (1) 6:14 short-term (1) 22:25 sick (1) 31:24 side (7) 16:6;18:9;20:12; 39:16;48:9,12;52:19 sign (1) 48:14 signed (2) 17:18;48:3 significantly (1) 9:7 silos (1) 24:13 similar (1) 45:25 similarly (1) 40:2 sister (2) 35:1,2 sit (3) 28:21;43:23;52:1 site (1) 5:14 sites (2) 35:13;37:12 sitting (2) 47:18;52:18 Sivulliq (1) 5:8 sleeves (1) 51:21 Slope (15)	8:14;12:24;16:5; 27:3,4,12,13;28:21, 25;29:6,16;40:8; 43:22;44:7;49:14 slow (1) 27:23 slowed (1) 27:23 small (1) 37:6 smaller (1) 41:4 smell (2) 14:25;15:2 snowmachine (1) 16:3 sold (1) 31:5 somebody (1) 49:6 someone (3) 32:12;43:16;49:8 someplace (1) 46:13 sometimes (2) 14:6;37:6 somewhat (1) 14:7 soon (1) 10:13 sooner (1) 7:19 sort (15) 11:18;14:7;23:19, 24,25;24:2,6,8,9,13; 25:17;26:6;39:7;52:7, 19 Sound (7) 10:25;12:8;13:11; 14:20,23;15:4;21:24 sounded (2) 33:19;35:11 source (1) 12:12 south (2) 13:18,22 speak (5) 3:24;17:10,18,19; 43:9 speaking (6) 15:14,15;18:23; 20:10;34:14;36:16 specific (2) 7:1;47:19 spectacled (1) 15:12 spell (2) 3:25;22:20 spend (3) 11:12;44:6;51:17 spending (2) 4:12,14 spill (27)	12:11;14:4;15:9,10, 18;16:10;18:22;19:5, 7,24;20:1,7,13,15; 21:3,7,9;22:4,7;23:8; 31:25;39:12;40:13; 43:19;46:14,20;50:9 spinning (1) 39:23 spoke (3) 43:16;46:2;47:2 spoken (3) 44:15;49:4;50:25 spot (1) 35:7 stake (1) 15:13 stakeholder (1) 42:3 stakeholders (1) 8:13 stakes (1) 9:6 stand (1) 5:4 standard (1) 48:8 standards (4) 6:25;7:3,23;9:10 start (8) 3:17;6:1,3;16:24; 17:2,19;24:22;39:9 started (2) 7:16;10:19 State (3) 44:10,15;47:7 stated (1) 18:12 statement (1) 23:2 States (3) 9:2;16:12;46:11 State's (1) 25:22 Statoil (1) 7:20 status (3) 19:12,19,23 statutory (1) 23:20 stay (3) 16:15;18:3;38:3 Steller's (3) 18:16,25,25 step (5) 8:21;17:20;22:19; 48:8;49:8 stepped (1) 48:4 stepping (1) 44:4 stewards (2) 11:16,22 stick (1)	3:5 still (13) 12:10;13:11,13,14; 21:25;27:1,24;28:2; 41:6;42:10,11;44:22; 46:20 stipulations (1) 18:15 stood (1) 46:2 stop (2) 28:16;40:16 store (1) 14:12 storms (1) 13:23 strategic (2) 24:11;25:13 stress (2) 30:12;31:19 stretch (1) 13:17 strong (1) 23:3 strongly (2) 31:3;51:11 structure (1) 39:7 struggling (1) 44:19 stuck (1) 34:10 study (1) 21:23 stuff (2) 15:7;32:23 SU (1) 46:23 subsea (1) 5:10 subsist (5) 13:2;14:15,15;17:5; 36:22 subsistence (5) 9:6;12:1;34:21; 35:21;49:24 subsistence-based (1) 46:4 successful (1) 28:6 suck (1) 12:18 suggest (1) 31:3 suggestions (1) 50:22 summary (1) 51:5 summer (2) 19:3;29:2 SUN (1) 54:5 Sure (13)	3:13;11:20;13:9; 14:21;21:11;22:11; 32:16,22;39:12; 44:21;48:21;51:1; 52:18 surface (1) 12:10 surrounded (2) 29:19,25 suspensions (4) 50:12,16,17,17 sustenance (1) 9:5 SUVLU (3) 32:13,14;54:5 swells (3) 33:9,11,21 system (3) 5:10,17;7:4
T				
			table (2) 36:13;54:25.5 tact (1) 41:10 talk (10) 8:13;16:6;21:5; 22:14;25:9;27:8; 34:15;36:17;43:24; 52:2 talked (3) 23:3;47:5,10 talking (6) 11:9;16:6;48:1; 50:19;51:17;52:23 taste (1) 13:5 taught (1) 35:4 taxing (1) 40:7 team (1) 43:21 ten (1) 34:11 terms (3) 9:8;23:22;46:8 terns (1) 14:14 test (1) 5:18 testified (1) 43:17 testimony (1) 10:15 testing (1) 30:21 testings (1) 30:21 thankful (1) 44:4 Thanks (7)	

4:9;17:25;22:21; 26:19;29:8;32:10; 50:24 Thanksgiving (3) 28:12;32:18,21 theme (2) 24:10;41:18 therefore (3) 19:1;21:15;40:6 thick (1) 16:23 thinking (2) 8:16;24:23 third (2) 34:18;38:7 Thirds (1) 51:2 though (4) 38:8;45:16;49:4; 51:3 thought (3) 8:21;38:10,23 thoughts (2) 4:18,20 three (5) 17:1;34:9;35:12; 36:19;40:22 three-mile (2) 27:10;45:16 throughout (1) 42:7 thrown (1) 33:13 times (5) 13:25;35:6;36:8; 39:14;45:19 today (7) 3:17;9:11,18;17:13; 44:13,18;48:1 together (10) 23:18;26:8;27:21; 28:6,18;30:2,2;33:11, 11;43:21 Tommy (8) 3:18;4:11;23:14; 26:16;45:22;51:6; 54:.5,.5 tomorrow (1) 17:14 tonight (7) 3:3,12;9:20;10:12; 49:4;51:4;52:22 took (4) 27:11;31:16;33:4, 16 toss (3) 28:4,9;33:23 touch (1) 23:21 tourism (1) 46:7 tourists (1) 11:22	tow (1) 6:10 town (2) 38:6,8 tracts (1) 19:22 traditional (3) 19:25;25:25;27:18 traditionally (1) 28:5 traffic (1) 24:18 trail (1) 14:8 trails (1) 37:17 train (3) 19:9;22:4;40:9 trained (1) 18:22 training (8) 19:5,7,16;22:23; 25:19;26:3,12;40:9 trainings (3) 22:25,25;23:7 Trans-Alaska (1) 15:9 travel (6) 14:8;16:2;31:10; 35:14;36:6;42:4 traveled (1) 34:21 traveling (1) 34:25 treasure (1) 27:17 treated (1) 31:1 tremendous (2) 9:19;44:17 tribal (5) 3:7;19:15;25:22; 29:12;38:13 tried (2) 29:1;33:15 trucks (1) 16:14 true (1) 9:4 try (4) 6:4;15:7;25:21; 35:7 trying (3) 23:6;28:16;30:2 tune (1) 25:11 turn (7) 4:17;10:3;29:20; 30:8;32:7;36:9;51:4 twice (1) 11:25 two (5) 12:4;13:13;30:5,6,	25 two-year (2) 31:1;50:16 type (3) 19:17;23:21;24:20 U UIC (5) 27:3;38:13;42:1,19, 21 Umiak (2) 38:3;42:1 unable (2) 5:17;15:23 unacceptable (1) 50:6 underneath (2) 13:14;16:18 undertaking (1) 9:10 unique (1) 9:1 United (3) 9:2;16:12;46:11 unlike (1) 46:13 unlikely (1) 40:16 unnecessarily (1) 9:22 unpredictable (1) 36:8 unusual (1) 8:21 up (39) 10:7,8,12,15;11:3, 13;12:15;13:19,22; 14:6;17:9,18;21:4; 25:22;26:13,21,22; 27:18;28:8,18,20,24; 29:2;30:23;32:18; 33:7,22;34:8;37:16; 38:12;39:14;41:2; 44:5;45:11;46:2,22; 47:9;48:4;52:15 update (1) 5:4 upon (1) 12:17 upside (5) 40:3,5,11;47:12,13 usage (1) 32:17 use (5) 4:21;13:23;50:19; 51:23,25 used (4) 6:8;27:9;32:22; 52:18 utilize (4) 13:22;14:2,5,9	V Valdez (3) 15:6;21:19,23 values (1) 25:23 variety (2) 14:2,13 Vavrik (1) 3:25 verbatim (1) 51:24 versus (1) 21:19 vessel (1) 24:18 vicinity (1) 20:9 view (1) 47:10 views (1) 52:8 village (16) 11:7;13:19;15:15; 17:23,24;19:23;22:6, 7,9,11,12;27:2;29:12, 18;35:12;38:14 villages (11) 18:7;19:13;20:23; 28:14;32:3,5;42:6,15; 44:20;45:2;49:25 vis-a-vis (2) 6:21;23:23 visit (1) 20:22 VOCs (1) 30:22 voice (1) 51:4 voices (1) 29:14 volunteer (1) 17:20 VORDERSTRASSE (4) 41:24,25;47:25; 54:.5 vote (1) 40:19 W Wainwright (12) 13:19;14:7;18:7; 19:5,10;20:8,9;21:6; 22:8;38:15,16;40:14 walrus (7) 11:11,14,17,24; 12:3;13:23;28:17 wants (2) 3:24;17:2 warmer (1) 21:22	warming (1) 16:23 Washington (1) 4:4 watch (1) 27:19 water (5) 12:9;15:19,19;29:3; 46:17 waterfowl (2) 14:2;15:11 waters (8) 33:8,21;34:8,10; 36:2,19,23;37:13 waves (4) 33:10,14,22,22 way (14) 4:21;9:1;13:19; 14:6,6;15:10;21:21; 28:25;36:14;37:14; 46:5,9;47:15;52:23 wear (2) 10:18;11:23 weather (1) 36:8 week (8) 11:13;25:6,8,11,12; 26:23;32:11;39:11 weekend (1) 52:25 welcome (8) 3:3;10:9;17:19; 27:7;37:23;38:1; 41:25;48:10 wells (2) 6:5;7:16 weren't (1) 5:23 west (5) 15:8;16:6;19:25; 20:2,2 whale (6) 28:7;32:17,18,20, 20,22 whalers (5) 31:9,9;48:7,7,12 whales (11) 12:16,19;27:24; 28:15;31:8,10;34:19, 24;35:3,5;48:13 whaling (17) 12:4,5;26:25;27:1, 17,23,25;28:2,3,5; 34:19,22;38:11;46:1; 48:18,19,20 What's (6) 10:22;14:19;15:6; 16:9;41:10;52:4 wherever (1) 45:5 White (1) 25:9 whole (2)
---	---	--	--	---

24:23;29:18 whomever (1) 45:2 wide (2) 14:2,13 wife (1) 46:1 wildlife (4) 14:24;18:13;43:23; 49:24 Willard (12) 3:11,13,14;10:7,13, 14,16;17:15,23; 18:12;19:20;54:.5 William (7) 10:25;12:7;13:10; 14:20,23;15:4;21:24 willing (5) 9:15;45:11,20;47:9; 49:2 willingness (1) 10:1 wind (3) 19:25;20:2,2 winds (2) 33:2,4 winters (1) 30:6 wish (4) 7:21;48:9,25;51:3 within (8) 6:19;18:14,24; 20:18,21;27:14; 34:23;36:9 without (2) 30:2,3 witness (2) 5:19,19 witnessed (4) 13:24;34:16;36:18, 20 wolverines (1) 13:3 wolves (1) 13:3 wonderful (1) 16:4 wondering (1) 3:10 work (20) 8:10;9:23;18:10; 20:19,20;24:4;26:7,8; 27:21,24;28:18;29:7; 30:2;33:18;34:6;38:3; 42:1,25;43:1;48:25 worked (4) 23:5;24:3;42:13,19 workforce (2) 22:24;39:2 working (13) 7:2,22;24:10,23; 28:16;29:6;32:1; 36:22;38:4;42:2;	46:24;48:7;51:10 works (1) 9:21 world (3) 13:20;16:12;17:3 worried (1) 22:4 worries (1) 22:2 worst (3) 13:10;14:3;16:10 worth (1) 50:20 wrong (3) 10:10;15:3;39:15 Y year (24) 5:6;7:7,25;8:2; 11:25;12:22;13:21; 14:5,12;17:5;25:18, 18;27:25;30:6,7,20; 34:11,12,18,19,24,24; 35:17;36:23 year-long (1) 50:16 year-round (2) 27:20;29:3 years (17) 10:20;12:23,23; 13:25;15:5;23:15; 27:7;30:18;34:7,9,9; 35:18;36:18,19;42:5; 44:3;45:25 Z zero (2) 40:1;48:6 zone (1) 44:11 1 10 (1) 54:.5 11 (2) 13:15,21 120 (1) 19:21 15 (1) 30:18 17 (1) 54:.5 175 (1) 12:10 190 (1) 12:10 1973 (1) 12:21	2 20 (3) 30:18;34:23,25 200 (1) 27:10 2009 (1) 11:14 200-billion (1) 50:20 2012 (2) 6:17;50:4 2015 (1) 7:19 22 (1) 54:.5 25 (1) 37:2 258-7100 (1) 54:.5 26 (2) 15:5;54:.5 29 (1) 54:.5 3 30 (7) 12:23;13:18;27:6; 30:18;34:9;35:18; 44:3 300-billion (1) 50:20 30-knot (1) 33:4 32 (1) 54:.5 33 (2) 34:7;36:18 34 (1) 54:.5 37 (1) 54:.5 39 (1) 54:.5 4 4 (1) 54:.5 40 (3) 12:24;13:25;34:25 41 (1) 54:.5 48 (1) 15:8 49 (1) 54:.5 5 51 (1)	54:.5 58 (1) 12:23 6 60-mile-an-hour (1) 33:2 7 7:30 (1) 3:4 72 (2) 34:21,22 75 (1) 11:4 8 80-mile (1) 13:17 83 (1) 11:6 85 (1) 36:12 8th (1) 6:19 9 907 (1) 54:.5 93 (1) 19:20 95 (1) 34:18 99 (1) 34:7
--	---	--	---