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1	UNITED STATES OF AMERICA
2	NUCLEAR REGULATORY COMMISSION
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4	ALL-HANDS MEETING
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6	MONDAY
7	OCTOBER 18, 2010
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9	ROCKVILLE, MARYLAND
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11	The Commission met in the Grand Ballroom of the
12	Marriott Bethesda North Conference Center, 5701 Marinelli Road,
13	Rockville, Maryland, at 1:30 p.m., Gregory B. Jaczko, Chairman, presiding.
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15	COMMISSIONERS PRESENT
16	GREGORY B. JACZKO, Chairman
17	KRISTINE L. SVINICKI, Commissioner
18	GEORGE APOSTOLAKIS, Commissioner
19	WILLIAM D. MAGWOOD, IV, Commissioner
20	WILLIAM C. OSTENDORFF, Commissioner
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22	ALSO PRESENT
23	BILL BORCHARDT, NRC
24	DALE YEILDING, NTEU
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27	PROCEEDINGS
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(1:29 p.m.)

MR. BORCHARDT: Welcome to the 19th Annual All Hands Meeting of the Staff and the Commission. I'd like to thank each of you for attending this meeting, and especially Chairman Jaczko, and Commissioners Svinicki, Apostolakis, Magwood, and Ostendorff for taking the time to meet with the Staff, and provide this opportunity to discuss topics that are of great interest to all of us.

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In addition to the Headquarters Staff attending this meeting, the Staff in the Regions, the Technical Training Center, and the local interim locations are viewing this meeting via video broadcast, while our Resident Inspectors are receiving the audio.

The purpose of this meeting is to facilitate communications between the Commission and the Staff, and for the Commissioners to share their perspectives on NRC's accomplishments and challenges.

The Chairman and each of the Commissioners will begin the meeting with individual remarks. Then the remainder of the meeting is reserved for questions and answers. There are several microphones in this room for your use in asking questions. We've also handed our cards, if you would prefer to write your question. You can pass it to one of the volunteer staff, and these questions, and additions to the questions faxed in from the Regions and the sites will be read by our volunteers.

Thanks yous go out to all the volunteer readers today, and they are Nancy Turner-Boyd, Kate Raynor, Tojuana Fortune-Grasty, and Derek Scully. Also, thank you to the volunteer ushers who are helping today, our sign language interpreter, as well as the Offices of the Secretary, HR, ADM, and OIS for their efforts to organize and provide

1 technical and logistical support for today's meeting. Finally, I'd like to recognize officials from the National 2 Treasury Employees Union who are with us today. NTEU will have an 3 opportunity to address us near the conclusion of today's meeting. 4 5 So, it's now my pleasure to turn the meeting over to Chairman Jaczko. 6 (Applause.) 7 CHAIRMAN JACZKO: Well, 8 thank you for that introduction, Bill, and I want to extend my thanks to everyone who helped 9 put together this event, and to everyone who's here in the room, as well as 10 11 those who are participating via various electronic or information media 12 from the Regions, and elsewhere. As an Agency, we don't frequently have the opportunity to 13 come together in an event like this to discuss the important issues in front 14 15 of the Agency. And this really is an opportunity for us to hear from you all. 16 I'll do my best to keep my remarks very brief, so we have ample time to hear from my fellow Commissioners, to hear your thoughts, and, of 17 18 course, to hear from Dale Yeilding with the National Treasury Employees Union. 19 In the more than six years that I've been on this Agency, 20 21 or on this Commission, I never lose sight of the fact that our effectiveness 22 as a safety regulator depends first and foremost on the NRC's skilled and 23 dedicated Staff, all of you who are here today, and those who are listening in, or who couldn't be here. 24 25 We are today a 4,000 person agency with diverse and 26 talented individuals, contributing in different ways to our Agency's multi-

faceted mission. All of our efforts, whether in the technical, legal,

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administrative, or other areas support the Agency's overarching safety and security mission. And in order to continue our track record of success, we need to remain the type of workplace that both attracts topnotch people, and also provides them with opportunities to maximize their potential once they're here.

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We should all be proud of the fact that for the third 6 consecutive time, the NRC has been voted to be the best place to work in 7 8 the federal government; although this year it was by a mere two-tenths of a point, so others are catching up. Our goal, however, is not only to be a 9 great place to work, but also to be a place that does great work. And 10 11 during the last fiscal year alone, we performed thousands of hours of 12 inspections at reactor sites, and material sites, such as fuel facilities, 13 decommissioning sites, and medical facilities. We took hundreds of enforcement actions, reviewed over 1,000 licensing actions or tasks, and 14 15 issued a dozen proposed rules and even more final rules.

16 We conducted dozens of meetings for the public, and scores more that were open to the public. I think that's really one of the 17 18 hallmarks of us as an agency. And none of these successes could have 19 happened without the full support from the entire team, those working on 20 the technology, the financing, the legal aspects, the personnel support, 21 and more. But these accomplishments are indicative of the Agency's strong focus on our safety mission, and your hard work day in and day out 22 23 to enhance nuclear safety and security.

And, as always, we cannot rest on our past successes. Our regulatory environment will remain dynamic, and we must always stay focused on our core safety and security mission, the effective oversight of operating reactors, fuel cycle and uranium facilities, and materials

licensees.

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With a diverse team of seasoned veterans and talented newcomers, the NRC of 2010 is well-positioned to continue fulfilling our important mission. Our success will, in part, turn on our ability to take full advantage of all the talents and perspectives that our team brings to the table. This means that the Agency will have to continue focusing on our training programs, knowledge management practices, and, ultimately, our safety culture initiatives, initiatives like the Open Collaborative Work Environment.

The Agency has much work in front of it, and, fortunately, it also has a very dedicated staff behind it. That combination has proved to be successful in the past, and I am very confident that will continue to be the case in the future. So, I thank you for your attendance at this meeting, and we look forward to your questions.

I will now provide Commissioner Svinicki an opportunity
 to make some comments.

17 COMMISSIONER SVINICKI: Thank you very much. 18 Good afternoon, everybody. I think the mic is picking up. I can hear 19 myself reverberating back in this very large room.

Other than the RIC, this is I think the largest group that I 20 21 come before in any given year. And I have had the chance in the last two 22 and some years to address a lot of the different office All Hands Meeting. 23 NRR made me prove myself with many other groups before they invited me, but Mr. Leeds is going to have me before NRR in December, so I 24 25 think I finally made the cut somehow, so I'll be doing that. And I've 26 appreciated those opportunities to talk with a lot of you, and get your questions in smaller groups. But this is unique, as the Chairman said, 27

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I should explain something about myself, and I did a lot under 10 years at DOE, and then 10 years as a staff person on Capitol Hill. So, I was always one of the people who was in the very back row at a meeting like this, so the people way in the back, I envy you. I was always sitting way back there, and that was the kind of person I was. I was sometimes a little -- I tended to be a little skeptical a lot of times about management messages, and other things. And it really took a lot to convince me, and I kind of folded my arms across my chest. So, I thought what would be a useful thing to hear about if I was still sitting back there in the back row today, what would I want to hear about?

And since this is such a valuable opportunity, I wanted to 14 15 talk about something that's been, I think, a theme for the senior leadership 16 of the agency for this calendar year. So, it's a little embarrassing for me, because it'll be November pretty soon, and I'm just getting around to 17 18 talking about this topic, but it's the Open Collaborative Work Environment. 19 And the Chairman was mentioning our standing as the best place to work. 20 Of course, I think associated with that result is our internal safety culture, 21 and the other focus that we've had on continuing to push ourselves and improve the excellence of our organization. 22

So, if you take what I just said about being a kind of a skeptical federal employee, and sitting towards the back of the room, I received a lot of the Open Collaborative Work Environment materials, and I did what I typically do, which is to say well, you know, this is interesting, and I'm sure that this is sort of really relevant, and I'll put this aside for a

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1 while, and go on with other things I'm doing day-to-day. But when I finally 2 did return to the materials, I realized how important the messages are related to Open Collaborative Work Environment. And I think we all carry 3 around our own terminology for it, and I think that's some of the 4 5 awkwardness is that when I began to look at it, I realized that this is a lot of the things that I really value about working at the NRC. And I know for the 6 people on the stage, we'll come and we'll be at NRC for a period of time, 7 8 and so many of you will come and spend the majority of your career at 9 NRC, perhaps. So, I think you've built something really special, and I think 10 that these Open Collaborative Work Environment themes are part of the reason why we've been able to achieve the special thing that I think exists 11 12 here at NRC. So, these were the messages about it that resonated most with me, but it said what is an Open Collaborative Work Environment? It's 13 an environment that values diverse views, alternative approaches, critical 14 15 thinking, unbiased evaluations, and honest feedback. And it's an environment that encourages trust, respect, and open communication to 16 17 foster and promote a positive work environment.

18 So, again, I think that it is important that we all feel some 19 association with this. So, maybe I'm giving a little bit of a testimonial about 20 how I laid this aside, and wasn't sure that it applied to me. But I think that 21 if each of us looks at this, we'll find that there's something in here that resonates, and that each of us can value. And it is interesting that when I 22 23 finally got into the section on why is it important, it says, "Open Collaborative Work Environment engages, empowers, and maximizes the 24 25 potential of all individuals at all levels of the organization, and across all job 26 functions." So, I threw myself in the mix there.

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Then it says, "Now, more than ever, we need to harness

the collective skills that we have." So, I thought that was an important message. I want to say, I want to, I guess, confess maybe I was a little late to the game, but as the organizational focus on Open Collaborative Work Environment continues, I hope that you'll have your moment either early or late like me, where you can draw some messages from this, as I've done. And I'm going to be trying to make this a little bit more in the forefront of my thinking, not just this year, but for the remainder of my time here at NRC. Thank you.

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CHAIRMAN JACZKO: Commissioner Apostolakis.

10 COMMISSIONER APOSTOLAKIS: Thank you, Mr. 11 Chairman.

As you know, I've been on the Commission for about six months now, and I'm still in a learning mode how the 17th and 18th floors work. I'd like to take this opportunity to thank the staff, and my fellow Commissioners for helping me tremendously to understand how the Commission works.

As you know, I was on the ACRS for a while, so I am fairly familiar with the reactor side of the Agency, but not so much with the materials side. So, I made it a point to visit several materials licensees in the last few months, trying to learn more about the issues on that side of the house.

Now, this is my first meeting of this kind, so I didn't know what the tradition was talking about, but I know that a lot of people are asking me what my goals are as a Commissioner. I don't know that I have any goals, but I'll tell you what occupies my energy these days.

Ever since risk assessment was introduced to the agency or the community, we've always struggled with the quality of the risk assessments, the uncertainty evaluations, and how the agency should use these evaluations, if you can quantify uncertainties, because sometimes you can't, in its activities. And we have two good examples these days, GSI-191, and Fire Protection, where there are conservative requirements imposed on the licensees to account for this uncertainty, but sometimes these conservative requirements lead to unreasonable results. So, this is a very challenging and interesting area where we have to come up with some sort of a solution, if there is a solution, some sort of managing it.

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9 Another area that is of great interest to me is to introduce more risk information in the licensing process. And, as you know, the 10 11 Commission issued an SRM recently regarding the staff reviews of the 12 small modular reactors. And, of course, the Office of Research had issued the technology-neutral framework in the past, so I hope the experience 13 from the reviews of the SMRs and the ideas that the staff proposed in the 14 15 technology-neutral framework can be the basis for developing a more risk-16 informed performance-based licensing process in the future.

That exhausts my prepared remarks, so I'm looking forward to receiving your questions. Mr. Chairman.

CHAIRMAN JACZKO: Commissioner Magwood.

20 COMMISSIONER MAGWOOD: Thank you, Chairman. 21 Let me apologize in advance. I'm sort of either getting over something, or 22 catching something. I hope it's getting over, otherwise I'll contaminate the 23 whole Commission, and the meeting could be quite short.

Well, when I was walking over here with my Chief of Staff, Patty Bubar, Patty, where are you? Say hi, there's Patty. I said, "So what exactly do we do at these All Hands Meetings?" And she said, "Well, the Commissioners make some initial statements, and then there's Questions

and Answers." And I said, "You mean, that's the whole meeting, Questions and Answers? You're kidding." And she said, "No, no, this is the way they do things at NRC." And I found that one of the things about NRC which is different from other places I've worked is that NRC is a community. And it's, actually -- for those of you who worked at NRC most or all your careers, you probably don't really appreciate how different that really is. As you know, I worked a long time at the Department of Energy, but I've interacted with a lot of other agencies, EPA, and FEMA, and Department of Interior, lots of different agencies, and agencies I've worked with and for in the past have tended to have clusters of organizations that kind of -- they're kind of like fiefdoms, and everyone kind of defends their 12 turf, and they fight with each other, and they get the best resources they can to do what they want to do. But this agency is actually quite different. 13 I mean, not that there aren't some fieldoms, but for the most part it's more 14 15 of a unified whole. It's something that's actually quite unique, and really 16 quite impressive.

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17 In the six and a half months that I've been here, I've seen 18 that not just here at Headquarters, but really across the country. I visited 19 all four of the regional offices, and I've had opportunity to meet with many 20 employees across the country. And I find that no matter where you go, 21 there's this feeling of community among the employees of the Nuclear Regulatory Commission, which is really quite an amazing feat. 22

23 I've also, as I have traveled about, been to many reactor sites, and other types of nuclear facilities, and I've seen the important work 24 25 that's done by the folks in the regions, and by the Resident Inspectors. 26 And just -- how many people in this room have been Resident Inspectors in their past? Just show of hands. Okay. And for those of you who are in 27

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For those of you who have done this, I congratulate you, and thank you for what you've done. And for those of you who are currently Resident Inspectors, my special thanks. I think you're doing extremely important work, unheralded work, and work that I'm afraid most people in the country have no idea that you do, but I recognize it, and I honor it.

But even for those of you in the room who have not been 11 12 Resident Inspectors, you also continue to impress me. All the interaction 13 I've had since being here, I constantly find myself surprised by the level of intellect, the commitment, the integrity, and the absolute passion you have 14 15 to protect the public health and safety. And the quality of the employees 16 here at the NRC I think are the reason that when I have traveled overseas 17 in the last several months, I've been to Japan, I've been to Spain, I find 18 that people overseas view the NRC as really sort of the center point of 19 understanding what it means to be a good regulator. You're held up on a 20 very, very high pedestal by your peers overseas, and you should know 21 that.

I get a lot of questions from people as I travel around
about how is NRC affected by the Gulf oil, the spill in the Gulf. And I think
that they're actually surprised when I say well, the truth of the matter is that
NRC was really held up as a high example of what a regulator should be
doing, not as another regulator who's off-track and needs to be corrected.
I had several conversations in Congress, and really universally, it was how

can we make the people who do deep sea oil drilling look more like NRC, look more like the nuclear industry than they do today? So, we are a high example.

So, there's a lot that this Agency should be proud of. And I noted this morning in the "Washington Post," and I'm sure many of you saw this article about a new poll that came out, and I'm just going to read the lead-in from the "Washington Post" this morning. It said, "More than half of Americans say they think federal workers are overpaid for the work they do, and more than a third think they are less qualified than those working in the private sector," according to the Washington Post poll. "Half of those say the men and women who keep the government running do not work as hard as employees of private companies." Well, let me say that for the people who feel this way, they clearly have never visited the Nuclear Regulatory Commission, because I think if they did, they would have a very, very different impression.

We live in a very uncertain time in many ways. We have economic issues, there's complicated things happening in foreign policy. We live in a time of change and evolution. And I think the country is changing, as it always has, and the nuclear industry, in particular, is changing, as it never has before. We face these challenging times, but I think because of the people we have in this hall, and the people across the country, we have the tools needed to face those changes. The collective 22 23 talent and energy of the people in the Nuclear Regulatory Commission I think are up to any challenge put before them. I'm proud to be part of this, 24 25 and I'm looking forward to the next five and a half years, excuse me, four 26 and a half years, don't want to extend myself prematurely, the next four and a half years with great anticipation. Thank you very much. 27

Chairman.

(Applause.) CHAIRMAN JACZKO: Commissioner Ostendorff. COMMISSIONER OSTENDORFF: Thank you,

It is a real pleasure to serve with my colleagues here on the Commission. I'm very pleased to be here working with these guys, and Kristine, excuse me, but also with the NRC Staff. I was very honored to have been confirmed and sworn in by Chairman Jaczko in early April.

I am new to the nuclear industry as far as the commercial side. I'll just give you a little bit of -- I'm going to date myself here, but I see Jim Wiggins, he may date himself, as well. Over 31 years ago, I was a Lieutenant JG on U.S.S. George Bancroft SSBN-643-Gold, on a deterrent patrol in that ballistic missile submarine. I was in the radio room. At that time, I was reactor controls assistant, and I saw a very low data rate VLF signal coming in talking about an incident at a nuclear power plant outside of Harrisburg. So, that was in the spring of 1979. I watched the Three Mile Island accident evolve, and the lessons learned from that event. I watched over the last three decades industry take actions. I watched, more importantly, you as NRC staff here at Headquarters and out in the Regions, the Resident Inspectors take actions to make us all safer. And I think that slope is positive. It's been very impressive, and I think you all ought to feel very good about the role that you played as regulators in 23 making us safer.

Every day as a skipper of a submarine, I went back in the 24 25 engine room and talked to Lower Level Louie. Well, who is Lower Level 26 Louie? It's that person who you can reach out and touch, and say how's it going? Covered in sweat, covered in oil, been taking logs the last six 27

Mr.

Having worked, this is my 15th job since 1976, not 5 6 counting training assignments in the military, so I've been around a lot of different organizations in uniform, wearing khakis for many years, a 7 8 submarine officer, been around the Department of Energy, the House 9 Armed Services Committee, two jobs in the private sector, and I will just tell you in comparison, in the context of those other places where I have 10 worked, that I could not be more impressed with, nor pleased with you, the 11 12 NRC staff. I think your diligence, your commitment to work is just 13 outstanding. We may have some disagreements, and some of you may 14know that I'm kind of blunt and candid, at times, but I think we are able to, 15 as Commissioner Svinicki said, be open, have disagreements, but also understand where each other stands, and I think that's really important. 16 And I applaud you, and my fellow Commissioners for allowing us to have 17 18 an environment in which we can do business in that fashion.

I will close by saying I want to thank each of you for what
 you do for the nuclear industry safety, and also for your service to our
 country, and I look forward to your questions. Thank you.

(Applause.)

CHAIRMAN JACZKO: We will start with questions. I think if we can start, we'll start on the left, and we can alternate microphones on the left and the right, if we have -- or if we have anyone who's got a question to begin.

AUDIENCE PARTICIPANT: What progress do you see in

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the development of small modular reactors, and what safety concerns do you have with such facilities?

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CHAIRMAN JACZKO: Well, perhaps I'll start, and, obviously, anyone who wants to jump in, please do. I'll just say, I think certainly from the Agency's perspective, I think we're in a pretty good place to deal with the things that are coming on the near term horizon.

I, generally look at small modular reactors in terms of three groups, the PWRs, the high-temperature gas reactors, and what I call the more non-traditional reactor types. And I think those generally follow along a consistent time line, so I think each of those has its own unique safety issues, and safety challenges. And I think we're working to make sure we're in a position to address those. Other comments?

COMMISSIONER MAGWOOD: Let me just offer this. I agree with the Chairman's comments about the small modular reactors, as a general matter. I think that one of the things that's going to be very important for us as an Agency is to be able to determine what the basic framework for regulating these reactors will be.

18 As the industry is moving forward in developing their 19 concepts, very important for them to be able to understand what they're 20 dealing with when they come, when they bring their concepts to us, 21 because there are going to be very, very difficult questions that we have to have answers for. I don't want to get into the details right now, but there 22 23 are some questions that depending on what the answer is, some of these concepts may find themselves to be economically unviable. The sooner 24 25 that the industry knows whether these concepts are viable or not, the 26 better, I think, because it would be sort of a waste of resources for both sides if we were to go down this path, and discover well, sorry, you can't 27

do that, and it's not going to work. I'd like to be able to answer those questions soon.

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With that said, from a technology standpoint, particularly for the light water systems, as the Chairman mentioned, it seems to me that most of the technologies are things that we've been talking about in one form or another for quite some time. I don't know that they present any particular showstoppers, but I think at the end of the day, the NRC's challenge is probably going to be more on the economic side than the regulatory side. So, things we can't help them with very much, but I think that's going to be the challenge, and I look forward to seeing what they bring to us.

CHAIRMAN JACZKO: Okay. We'll take one from the right.

AUDIENCE PARTICIPANT: Recently, Commissioner Ostendorff proposed to continue work on the Yucca Mountain Safety Evaluation Report. Commissioner Svinicki voted for this measure. Why did the remaining three Commissioners not vote at all?

18 CHAIRMAN JACZKO: I can, perhaps, take that question, 19 then if others want to chime in.

20 Certainly, in my view, this decision was more of a 21 management decision than a policy issue for the Commission. And, for that reason, it was, perhaps, by and large, inside, I guess inside the 18th 22 floor, or 17th floor baseball, the exact mechanism that I used to register 23 24 that disagreement with Commissioner Ostendorff's proposal. I did that in 25 the form of not participating. I don't know if others would like to comment.

26 COMMISSIONER APOSTOLAKIS: Yes. Originally, I viewed -- as you know, or perhaps know, I've had to recuse myself from all

adjudicatory matters related to Yucca Mountain because of prior work I had done for Sandia.

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Originally, I viewed Commissioner Ostendorff's COM as a budgetary matter, so I felt I could vote on it. In fact, my staff and I had a draft vote, and we were debating it when we received the motion from Aiken County and the two states that touched on adjudicatory issues. That was Friday evening, as I recall, at which point I chose not to participate any more.

COMMISSIONER MAGWOOD: I think I would agree with
 the Chairman. There was a little bit of inside baseball with this, but I think
 that the principal thing I would say about it is that it's -- I think it's still a
 matter of some discussion among the Commission. I don't see this as
 something where -- clearly, there's areas where Commissioner Ostendorff
 and I agree, there's also areas where we disagree. I think that's a
 conversation we're still having, so I guess I'll just leave it at that.

16 COMMISSIONER OSTENDORFF: I don't think you had a 17 question for me. I'm glad to take one, if you have one.

(Laughter.)

19 COMMISSIONER SVINICKI: I'd just like to say, and I think that my position on it was reflected in the question, but one of the 20 21 reasons I was thinking about Open Collaborative Work Environment, and again the health of having an organization where people can have 22 23 differences of opinion, is just this kind of issue. Now, the trade press will take this difference and they'll say what they say about it, but what I would 24 25 communicate to you is that you have five very strong opinionated 26 individuals on this stage. We work together on items where we disagree, we work together on items where we agree. And, in my view, there's a full 27

COMMISSIONER OSTENDORFF: Chairman, I would like to --

CHAIRMAN JACZKO: Sure.

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COMMISSIONER OSTENDORFF: I will say something. 7 8 No, I think it's healthy to the organization to have that question. I'm going 9 to put aside my personal position on it, which is well known and documented on the website. I will say that my colleagues here at this 10 table have all engaged with me personally in a very professional, civil 11 12 manner. They've engaged in a collegial manner, and I'm grateful for that, 13 so I'd like to make sure that that's out in front. And, as I said before, I'm blunt and candid, but I'll tell you that I have respect for my colleagues. 14 15 They've had different views on this than I have, but we've been able to do 16 that, and to disagree in an agreeable manner. And I think that's very positive. 17

CHAIRMAN JACZKO: Thank you. Go back to the left
 side, or I guess the right side, depending on where you're sitting.

AUDIENCE PARTICIPANT: Will the Agency increase the availability of short-term loaner laptops for employees to use for telework or alternate work environments? In addition to that, is there a plan and time line to provide employees with loaner laptops for telework?

CHAIRMAN JACZKO: I'll be happy to take this one, and I'm going to turn to my cheat sheet. Bottom line, the Loaner Laptop program is really part of the effort to really enhance our Work From Anywhere capability. And as we look long-term, that and also the Mobile Desktop program, which is an opportunity to have your desktops replaced with laptops, are both efforts I think, ultimately, to support this Work From Anywhere. I know that's an initiative that Darren has started, and the rest of the folks in Information Services. I see Pat Howard here. Pat's probably the -- Pat's more of, perhaps, the roadblock than anything else, but a lot of those issues have been worked through, and I think in a very important way. So, this is something that we're working on. The deployments began the end of last month, and it's something we'll continue to make more available to people as resources allow; ultimately, with the goal of trying to achieve this idea of Work From Anywhere. I don't know if anybody had any other comments.

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12 COMMISSIONER MAGWOOD: Let me just add one thing. I'm going to be -- I'm going to follow Commissioner Ostendorff's 13 example, and be blunt and honest about one thing here. I was an extreme 1415 skeptic about telework, coming from other places. And really, when I heard that there was a big telework program here at NRC, I was -- to say I 16 was skeptical was probably being very kind. But as I've interacted with 17 18 people who are actually taking advantage of telework, and talk with people 19 about how they're using it, and how effective it's been, I'm sold. I'm on 20 board. I think it's a great program. I think it's very effective. I think you're using it the way that it was intended to be used, and so whatever support 21 you need from me as a member of the Commission to continue this, Mr. 22 23 Chairman, I'm on board. I just want to say that.

AUDIENCE PARTICIPANT: This question is from Region I. What options are being pursued to produce medical isotopes in the near future to eliminate America's reliance on foreign sources?

CHAIRMAN JACZKO: Bill, do you want to take this?

COMMISSIONER MAGWOOD: Well, there's several options, and there's actually some initiative that is underway at the Department of Energy to provide grants to look for solutions. Right now, there's a combination of things that are going on, including trying to convert some of the existing research reactors at universities to produce medical isotopes, but there are also industry initiatives underway to develop new reactor-based technologies, and actually some non-reactor technologies to develop, particularly, molybdenum-99. But all these things are still in the pipeline. There's nothing that really solves the problem in the near term.

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That said, I think that it's something that has finally reached -- gained the kind of attention nationally that it's deserved for a long time. For some of us who were involved in this years ago, it was always very frustrating that we were sort of voices in the dark saying there's a big problem coming down the line here. But now I think it's got a lot of attention. There's resources, so, hopefully, as we go forward in the next several years, there'll be some solutions, as well.

AUDIENCE PARTICIPANT: Thank you. For more than a 18 19 decade, previous Commissions have provided resources and supported 20 the High-Level Waste program as it developed and elaborated a Public 21 Outreach program to interact with stakeholders. And key to that effort was to communicate a message that NRC was an open, and transparent, and 22 23 independent regulator. And, as part of that, a key message was that the public and stakeholders would have access to the scientific and technical 24 25 work that staff would do in evaluating a license application for a proposed 26 repository at Yucca Mountain when it was received.

I am troubled by the fact that with the recent Commission

decision, we are breaking faith with that promise that we made to stakeholders, many of whom are taxpayers and rate payers, who paid for our work, and that they will not have access to the findings, the technical findings that staff has made, and that are ready to be released as Volume III of that work. And I would ask the Commission here today what we should say to those stakeholders, and rate payers, and taxpayers when they ask why can't they have access to that work; understanding that it is not complete, is not part of a final hearing process decision. They understand that, because we spent so much time explaining the hearing process, and explaining what a final decision would have to represent. Thank you.

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12 CHAIRMAN JACZKO: Well, I can begin. Of course, if 13 anyone wants to add, feel free.

I think as we embark on the effort to look at closing out the program, I think that's an effort that will take some degree of time. I suspect that as we begin to look at the kinds of things that we will make public, and I do believe, as I've talked to many of the staff who work in NMSS, that we should make a lot of information public, and that involves a good degree of the technical information, and the technical review work that the staff has undertaken and completed.

I think, my personal views are that there is probably certain information which, at this point, is not complete, and wouldn't be appropriate for publication as part of some kind of information provision, or information document. But, again, I think some of those issues, where that line is, what is exactly the things that shouldn't be provided, and what should be provided, I think that's something that will be more fleshed out in the coming months as the staff begins to look at what, exactly, is entailed

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1	in the closeout procedure.
2	So, I think there's the bulk of the information will be
3	made public, and I think that's a good thing. I think it's appropriate for
4	people to know the work that we've done as an agency. And I think that
5	that will bear itself out in the future.
6	AUDIENCE PARTICIPANT: When will that be, sir?
7	CHAIRMAN JACZKO: I'm sorry? When?
8	AUDIENCE PARTICIPANT: When will that be, sir?
9	CHAIRMAN JACZKO: Well, I think over the next couple
10	of months we'll be looking at putting together a time line for all the work
11	that needs to be done to do the closeout.
12	AUDIENCE PARTICIPANT: Thank you.
13	COMMISSIONER SVINICKI: I would just add to what the
14	Chairman has commented on, that my view was different in my vote in
15	support of Commissioner Ostendorff's COM. I indicated my personal view
16	that the best way to memorialize the staff's work would be to publish
17	Volume III of the SER with the findings, so I it's my hope that as the
18	Commission looks more closely at the staff's recommendation on the
19	appropriate scope of closeout activities, as the Chairman has mentioned, I
20	hope that we'll continue to analyze this particular question. That's my
21	personal view.
22	AUDIENCE PARTICIPANT: In your opinion, what is the
23	biggest non-technical threat to the nuclear renaissance, some examples
24	being politics, economy, and workforce issues.
25	CHAIRMAN JACZKO: Well, I'll share my opinion first.
26	Then, of course, any others like to chime in. And, again, these questions
27	are always difficult, because it's very tempting to want to get in the middle

of a lot of these interesting discussions. Of course, as a safety regulator, our job, fundamentally, is to be dispassionate about, ultimately, what happens with some of these designs, or some of these applications.

But from what I see in my position, I would say that the biggest challenge, if you will, to potential -- really to the construction of the license applications that we're really reviewing right now is financing. That seems to be the biggest difficulty that the utilities are struggling with, as they look at following through on licenses that we may issue in the next several years. That's my sense of what the biggest challenge is.

COMMISSIONER OSTENDORFF: I'd like just to -- I agree with the Chairman on the financing piece. I'd just like to provide maybe a couple of other thoughts. If you go back to prior to the economic downturn and look, let's go back maybe three to four years ago, and one looked at what was being considered as far as major policy debate issues with respect to carbon emissions, carbon cap and trade, global warming, climate change, that whole umbrella of issues that might have an impact on oil, coal, or even gas-fired electricity generation, that there was quite a momentum back in 2006 to take action in those areas. Then the advent of the recession, became no longer feasible to consider at that point in time.

I bring it up, because it's not clear to me that a lot of the
 utilities that are looking at making strategic planning investments for the
 long term will be able to effectively do so until there's a more coherent
 energy policy that brings those into play.

A second pragmatic factor, I grew up in Louisiana, so natural gas is a big issue in that state. And you look at all the shale gas reserves that have exploded in this country as far as the increase in reserves, so the price of natural gas has gone down so much that it's 1

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COMMISSIONER APOSTOLAKIS: I agree with the Chairman, it's financing.

COMMISSIONER MAGWOOD: Well, I think that -- and, clearly, financing is one of the issues that I think characterizes how many plants get built, and who builds them. I think that's a better way of looking. I don't see financing, in and of itself, as being a barrier of particular size, because it depends on the situation you're talking about. For example, my experience, and I think this is playing out in some of the things you see in the press today, financing is a much larger issue for a merchant power plant than it is for a utility plant. It's simply a different conversation.

So, I think the current economic situation clearly has 14 15 affected the schedule that some utilities are on as far as their thinking, but 16 I think that really the biggest non -- if you want to consider it to be a non-17 technical threat, and I think this is the context you meant it, is really what 18 happens overseas, guite frankly. I think that when you look at the speed 19 and the breadth of the spread of the application of nuclear power plant 20 technology in many countries across the world, I think we have to look at 21 that with a little bit of trepidation, because there are some countries who are now saying they want to build nuclear power plants, but don't have the 22 23 expertise, don't have the infrastructure, don't have the discipline in the regulatory sense to really assure safety I think in a way that satisfies most 24 25 of us. So, I think that the old adage that we've heard for many years, a 26 nuclear accident anywhere is a nuclear accident everywhere, applies. And I consider the biggest threat to be the possibility of nuclear accidents, or 27

nuclear problems in overseas reactors. If that were to happen, almost no matter what the technology is, no matter what the circumstances would be, I think it would have a devastating impact on any plants any utility would build in the United States, so that's what I consider to be the biggest threat.

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AUDIENCE PARTICIPANT: Can you comment on NRC efforts at the policy level to learn from the challenges and effectiveness of other regulatory agencies?

9 CHAIRMAN JACZKO: Well, again, I'll start with some 10 thoughts of my own. I think, as Commissioner Magwood alluded to, this is 11 something I think that happens, in particular, in the international area. 12 And, in fact, that question is very appropriate right now, given that we are -- a good portion of our staff right now is working hard with a team from 13 IAEA to look at our program in what's called an International Regulatory 14 15 Review Service Mission, to take a look at how we stack up to the 16 international ideas of what a good nuclear regulatory body should be.

17 That program is a good opportunity for us to learn from 18 other regulators, to hear their thoughts about how we do things well, areas 19 where they think we could make improvements. So, that is certainly one 20 area right now where we're involved in that kind of dialogue, is on that 21 international area. As Commissioner, I think, Magwood touched on, domestically, there has been a lot of discussion about regulatory agencies, 22 23 and how they function best. And I think that's been an area in which we have been providing information more than we have been receiving 24 25 information, but I think it's in our best interest, as an agency, to make sure 26 that when all of that dust settles, that we don't take a good look at some of the things that went wrong with the Department of Interior, with the Mine 27

Safety Health Agency, to see how their failures may provide lessons for us, because I think as one of our strong oversight members in Congress always says, "If it isn't perfect, then we should be working to make it better." And while we are a very, very good agency, we're not yet perfect, so I think we can always look to make things better. Other comments?

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COMMISSIONER OSTENDORFF: I'd like to add, I agree 6 7 with the Chairman's comments. I spent a lot of time looking at the space 8 programs when I was working for the Congressional staff, and I look at 9 how NASA does business as a technical agency on decision making. I 10 agree with the Chairman's discussion on looking at what's happening in the Coal Mine, offshore oil rig industries. I think the EPA also offers us a 11 12 lot of opportunities to learn, as does FERC. And I think all of us -- I'm sure all of us spent some time making sure we have appropriate situational 13 awareness of what's happening across all federal regulatory agencies, as 1415 it might apply to us, making sure that we're consistent as policy makers, not just within the NRC, but also in the mind set of how the federal 16 17 government approaches things.

In some cases, that consistency has not been there in
other agencies, and I think we're able to sit back and say well, wow, we've
done this pretty well. We can always improve. We don't want to become
complacent, but I think that situational awareness of what's happening
elsewhere is vitally important to the NRC.

CHAIRMAN JACZKO: This side.

AUDIENCE PARTICIPANT: How is the NRC sharing our lessons learned and regulation oversight framework with other federal agencies in response to the BP spill in the Gulf?

CHAIRMAN JACZKO: Well, again, we have been asked,

certainly, in the inter-governmental process to provide information to the Department of Interior, to other federal agencies about our regulatory approach, and how those could be applicable to the predecessor to the Minerals Management Service at Department of Interior. It's also, actually, an issue that came up in a Congressional hearing, where we all testified, so in that setting, certainly the Commissioners have shared their thoughts. Those are just some of the ways in which we're doing that.

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AUDIENCE PARTICIPANT: In light of the two recent fatalities adjacent to the NRC, what efforts will be pursued to build a tunnel or overpass to connect Three White Flint?

11 CHAIRMAN JACZKO: This is, certainly, an issue of, I 12 know, significant interest, and it's been of interest to me, personally, since I 13 became Chairman to see how we would deal with issues of pedestrian 14 and vehicular safety.

About four or five months ago, I sat down with Ike Leggett, who's the County Chairman, or County Executive, thank you, for Montgomery County. It takes a team sometimes.

(Laughter.)

19 CHAIRMAN JACZKO: And to sit down and figure on how 20 we are going to best insure pedestrian and vehicular safety. So, we 21 created a task force, signed a Memorandum of Understanding with the County to make sure that not only when we have a new building, but in the 22 23 process of building and the construction activity, that during that process we're able to insure and maintain pedestrian safety. And one of the first 24 25 fruits of that effort, are the efforts you'll see over the next couple of months 26 to move the current crosswalk that exists right now in Marinelli connecting our side with the side with construction, that crosswalk will be moving, and 27

there'll be additional construction done to insure that's a much safer path to get across the street there.

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The long-term, perhaps there will be a time when we 3 have a greater construction, some type of underpass or overpass. Right 4 5 now, the estimates for doing that, and the difficulty of doing that made it impossible to do in the near term with the construction of the building. The 6 estimates are on the order of about \$10 million to construct such a pass, 7 whether it's an underpass or an overpass. They each present tremendous 8 technical challenges with the design of the building, and with the current 9 design of our existing building, so that may not be an option for us in the 10 11 future. But, fundamentally, the process we have I think in place right now 12 working with the County will be a very strong process, I think, to ultimately insure pedestrian safety. And we certainly are taking a look at the 13 incidents that have happened, if there's anything that we can learn from 14 those to better insure the safe passage of people back and forth between 15 16 the buildings. I don't know if anyone has any comments.

AUDIENCE PARTICIPANT: How can risk-informed approaches be brought into environmental assessments of abnormal releases to the subsurface?

CHAIRMAN JACZKO: George, do you want to take that? 20 (Laughter.) 21 COMMISSIONER APOSTOLAKIS: I don't know. 22 23 (Laughter.) COMMISSIONER APOSTOLAKIS: But somebody ought 24 25 to look into it. 26 (Laughter.) CHAIRMAN JACZKO: Anyone else have any thoughts? 27

I think looking down here at the front row, the Senior Leadership Team, I believe, is reviewing, the Groundwater Contamination Task Force led by Chuck Casto, when we come back to the Commission later this year, I believe, with some recommendations and policies. And I would anticipate that in the context of that effort, we'll have a chance, as a Commission, to listen to the staff's recommendations, and, perhaps, take a good look at what might be some ways of better using risk to inform those activities.

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9 COMMISSIONER SVINICKI: I would just add to that by saying we're like any government agency, or department, and we have the 10 11 authority that's been given to us under law, so that's part of what makes 12 this so challenging, is just because we wouldn't, necessarily, run a plant 13 that way, that doesn't, necessarily, give us the authority to go in and 14 impose a requirement. So, I think that's what's made this really a struggle to deal with, and address this issue, so I'll look forward to the staff's really 15 16 creative thinking on this point.

MAGWOOD: COMMISSIONER Yes. think 17 L 18 Commissioner Svinicki's comment is very much on the mark. That said, I 19 think that the -- I guess my reaction to the question is to some degree that may be the wrong question to be asking, because I think as sort of what 20 21 the predicate -- what Commissioner Svinicki has mentioned is the fact that 22 the risk presented by these -- by tritium releases, we're all assuming you're 23 focused on tritium releases, really presents a risk to the public, which is somewhere between zero and very small. It's not a high-risk at this stage 24 25 from the releases we've seen.

But the reason I think it might be the wrong question to be asking is because the public is not comfortable with that answer. That

doesn't mean we have an immediate solution to it, but I think we have to recognize that when people buy a farm a few miles away from a nuclear power plant, they have a right to expect that the groundwater is not contaminated by tritium. And having government scientists tell them that these levels of tritium don't hurt you is not a very satisfying response from the government. So, I think that we have to look at this both as a dispassionate regulator, but also with an understanding that the public is expecting some kind of response from the government on something they think is a threat.

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And I think one of the big challenges that I've seen since 10 we've been here is to figure out what should the government response be? 11 12 And, of course, the Chairman has launched a task force, which has given some thinking to this, and the Senior Staff here before us, is looking at this 13 now, and giving a lot of thought to it. So, I do think that is something that 14 15 we should have some response to, but exactly what that response is at 16 this point, I don't think that there is a clear answer, but I'd really like to think there is one. Yes, I'm looking at you guys. 17

AUDIENCE PARTICIPANT: Is it true that Calvert Cliffs has pulled its application for a new reactor plant? If so, do we expect to see other utilities reversing their decision to build a new plant?

CHAIRMAN JACZKO: Well, there's been a lot of information in the press about the status of Calvert Cliffs 3, and I think as Commissioner Svinicki said, sometimes the details may not be as interesting as the media sometimes portrays them to be.

From our perspective, as an agency, we've received no indication from the licensee or the applicant in that case to change our work on the application, so we'll continue reviewing that application. I think one of the interesting issues with the change in the regulatory process that we've created is that our licensing is no longer, necessarily, an opportunity to actually operate. It's more of an option to construct, so many utilities right now are availing themselves of the option to pursue licensing so that they would have the option to construct at some later point, if many of the factors that my colleagues here on the Commission have discussed work out in their favor. So, right now, we haven't received anything that has changed our plans for reviewing that application.

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10AUDIENCE PARTICIPANT: We are currently undergoing11an IRRS review of our reactor program. Are there any plans or12discussions for an IRRS review of the Materials program?

13 CHAIRMAN JACZKO: Certainly, when we looked at the 14 IRRS mission, our program is extremely large, and, in particular, relative to 15 a lot of other countries. So, the focus for the agency right now was really 16 on the reactor program, so that piece of the mission right now, or the 17 mission is just focusing really on that piece of the review.

18 There is a likelihood that there will be a follow-up mission 19 to look at review findings. And the possibility exists for us to, again, do an additional mission in the future that would look more broadly. We didn't 20 21 deal with the New Reactor program as well, and the Materials program, 22 also. So, I think those are opportunities in the future, but it is a very 23 resource-intensive activity to prepare for and, ultimately, to go through one of these missions. So, it's certainly something that I've had discussions 24 25 internationally with people at the IAEA about the possibility of additional 26 missions, but I wouldn't suggest that that's something that would be beneficial to do too quickly, because of the resource needs of the mission. 27

AUDIENCE PARTICIPANT: Would the Commission comment on how strategic or creative initiatives by employees could be recognized, similar to how day-to-day metrics are measured and rewarded?

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5 CHAIRMAN JACZKO: I think it's certainly a very good idea, and I've talked a little bit in some speeches I've given about the 6 importance of strategic thinking. And I think we are very, very good as an 7 8 agency, I think, in day-to-day work, and executing. I think where some of 9 our opportunities for growth would be are in the areas of some more strategic thinking. So, I would certainly be interested in suggestions for a 10 way that we could recognize that kind of work. But I think that, as 11 12 Commissioner Svinicki alluded to, and as others have alluded to, the Open Collaborative Work Environment, the open door policies that we have, 13 these are all opportunities for employees to bring issues to the attention of 1415 the senior managers or the Commissioners. I have an open door every 16 Monday from 3 to 4, except if I'm not in town. I can't tell you how many days it has been since I've had someone come to my open office, but it is 17 18 fewer, or more than I would like. So those opportunities exist, I think, for 19 people to come forward with those ideas, and that kind of thinking.

20 COMMISSIONER OSTENDORFF: I would just add, if I 21 could, that -- let me speak just how I get information, and others may have 22 different ways, but I read the daily notes, I read when Bill Borchardt puts 23 out his EDO notes, and Jim McDermott puts on his online from HR, I find those very helpful. And I think to the extent, those are just a few 24 25 examples, I know there are more in the organization, but I think it's 26 important to provide, especially for managers and supervisors, to provide the opportunity for the people that work for you to have that visibility, 27

because everybody benefits from seeing what's going on. I think we all learn when those good ideas are shared effectively.

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AUDIENCE PARTICIPANT: Following the issuance of the President's Veterans Recruitment program, what is your position of the hiring of enlisted veterans of the Navy Nuclear program, particularly those who do not possess a Bachelor's degree?

CHAIRMAN JACZKO: Well, we've made a real concerted 7 8 effort, the NRC sits on the Veterans Employment Council, which is chaired 9 by the Director of OPM, John Barry. And I think that's a very good 10 program to really help stimulate the importance of looking at veterans as not only individuals that have provided a tremendous service to the 11 12 country, but as individuals who can continue to provide tremendous service to the country in different capacities. 13 So, as we look at opportunities to increase the potential of veterans who are in our 14 15 workforce, that's certainly I think an area that we should be exploring, is to look at enlisted individuals who may not have a Bachelor's degree, 16 And we have to, of course, follow -- I'm looking for Jim 17 certainly. 18 McDermott somewhere up here. We have to follow, of course, whatever 19 requirements we have in place about hiring, but I certainly think that there 20 should be ways to incorporate that into the process. And Jim is nodding 21 as I'm saying that, so I think that's a good thing.

AUDIENCE PARTICIPANT: Is NRC considering a reduction in its budget for office and corporate support efforts to divert more resources to direct mission requirements?

CHAIRMAN JACZKO: Well, again, I can give you my
 thoughts on where I think the Commission is, and where the Agency is in
 looking at these issues.

As we reviewed the budget, it became clear that over time, and I think in a perfectly natural way, we evolved to have a slightly higher amount of our budget resources going to overhead activities in the corporate support area, in particular. Some of that was, I think, a reflection of the increase in the agency, and the need to manage that increase, and the need to do that quickly. So, for instance, many offices developed resources within their offices to help out with the hiring of new employees and new individuals, as we ramped up in a very, very quick manner. So, as we go forward, we probably have to reexamine that, and take consideration of the right balance, and the right efficiencies there.

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I wouldn't, necessarily, say that it's simply an effort to free 11 12 up resources for other programmatic work. I think, in my view, it's really 13 been more of an effort to, perhaps, just rebalance and put resources where they can be better used. But I think, fundamentally, a lot of this -- it 1415 also requires us to really make sure that if we're doing more of those kinds 16 of corporate support issues from an agency-wide perspective, that we have the right programs in place, and we have the right kinds of leadership 17 18 and management in those areas to make sure that those programs are 19 effective, and can be done more on an enterprise basis, rather than an 20 individual office basis. So, those are some of the things we're looking at. 21 But I view this as more of just a natural cycle, as we had a period of expansion, now we're in a period of more stable growth. It's time to 22 23 reexamine these things in that light.

COMMISSIONER APOSTOLAKIS: I must confess that I am extremely skeptical of things like Lean Six Sigma, or something like that, and other things that I have seen over the years proposed. I know Bill Borchardt disagrees with me. This is probably a minority view, but my 1

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AUDIENCE PARTICIPANT: What is the status of White Flint III? Is everything going as planned, so far?

CHAIRMAN JACZKO: I'd rather not say, because then it 7 8 will jinx it. But right now, they are in a period of excavation. They're close 9 to completing excavation, and then we'll begin pouring concrete for the 10 garage. I actually had an opportunity to tour the site last week, and they are certainly making progress. Right now the biggest challenge is the 11 12 weather. That provides probably right now the greatest degree of uncertainty in the schedule. But, again, I would say that the team we have 13 in place there has done an excellent job to oversee that operation. I think 14 15 it's -- the contract team and the main contractor, and Elcor, who's the owner of the building, ultimately, probably have met their match in having -16 - building a project for the NRC, because we have lots of engineers, lots of 17 18 people who do project management, so they'll have lots of excellent 19 people looking over their shoulder and making sure that project stays on 20 schedule, and, ultimately, on budget.

AUDIENCE PARTICIPANT: When will the Commission vote on whether DOE can withdraw the Yucca Mountain application?

CHAIRMAN JACZKO: That is an issue, it's an
adjudicatory issue in front of the Commission, so it's not one we can really
discuss in this kind of forum, because of the nature of that proceeding.
But it's certainly one I know, again, I think as Commissioner Svinicki said
earlier, it's a very important issue, and the Commission is working very

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1	hard on it. And beyond that, we can't really get into too much detail.
2	AUDIENCE PARTICIPANT: There are some who think it
З	would be a really great public relations move to put solar panels on the
4	roof of Three White Flint. What do you think?
5	CHAIRMAN JACZKO: I don't it is not currently anything
6	that we have budgeted, and I think right now I've not seen any proposals,
7	specifically, to do that. I will say that the agency has done quite a bit in
8	efforts to enhance energy efficiency of the building. There are quite a few
9	efforts ongoing in that way to improve our energy use, and not just with
10	electricity and other systems, but just in general, our resource use. So, I'm
11	fairly pleased with where we are on those issues. I don't know if anybody
12	has any comments.
13	COMMISSIONER APOSTOLAKIS: Yes. I'd like to see
14	solar panels on the roof of Building Three, and small modular reactors on
15	One and Two.
16	(Laughter and Applause.)
17	CHAIRMAN JACZKO: Any other comments?
18	Commissioner Apostolakis, I'll tell you, it might take a Lean Six Sigma
19	review to get there.
20	(Laughter.)
21	COMMISSIONER APOSTOLAKIS: And I may go along.
22	CHAIRMAN JACZKO: This side.
23	AUDIENCE PARTICIPANT: Why does NRC have so
24	many non-supervisory GG-15 positions in the corporate support offices?
25	CHAIRMAN JACZKO: I would perhaps, Bill, I don't
26	know if you want to take a stab at that one. I'm not
27	(Laughter.)
CHAIRMAN JACZKO: I'm not sure of the ratios that we have there, and if the ratios there are any different than what we have in 2 other areas. It's certainly, again, an issue that we do need to look at, in 3 general. We have, certainly, kind of had an increase in grade over time, 4 5 where we are seeing more and more non-supervisory 15s. I'm not aware, necessarily, that's just an issue in corporate support, but it's something 6 that does exist in other areas. Some of that is a reflection of longevity of 7 people in the workforce, as they stay here and they receive their 8 appropriate grade increases. They do get into those kinds of positions. 9 But I'm not aware of specifics in corporate support, but it's certainly 10 11 something we can get more information and provide an answer on the 12 website, or something.

AUDIENCE PARTICIPANT: Are there some specific things you believe we should be doing to improve knowledge management, and enhance knowledge transfers?

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16 CHAIRMAN JACZKO: Well, I think we have a very good 17 program right now I think in knowledge management, and in the area of 18 knowledge transfer. But it is a challenge, without a doubt. There, 19 ultimately, I think is no real replacement for the experience that we lose with many of our very experienced employees. We can try and duplicate 20 21 that, and provide alternate ways to capture that knowledge through oral 22 history video recording, these kinds of things, but it is a difficult task. So, I 23 think it's an area we'll continue to work on. Marty Virgilio has been particularly taking the lead on our knowledge management initiatives, and 24 25 we can, again, perhaps provide more information, a detailed answer about some of those areas. But I don't know if anybody else has any thoughts or 26 comments. 27

COMMISSIONER OSTENDORFF: I'm going to make 2 one comment on that, because I think it's a great question, and I think it's a very important question for this group of people here. And I'm going to 3 provide just one bullet point, and I realize I don't have personal knowledge 4 5 as to whether this is occurring or not. I think it is occurring, but I would just 6 tell you never -- my point is, never underestimate the importance of providing new employees or younger employees the opportunity to work 7 8 alongside more experienced employees on a project. I think just the 9 osmosis by being directly engaged and seeing how meetings are held, 10 visits out in the field are conducted, what questions are asked, that is just invaluable. And while trying to capture on a database or in a knowledge 11 12 center appropriate lessons learned is a good thing, it's often not a satisfactory substitute for having trained by doing, by bringing a young 13 person into the organization, and letting that person be part of a team 14 15 doing something important.

AUDIENCE PARTICIPANT: The Commission --

CHAIRMAN JACZKO: I'm sorry.

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18 COMMISSIONER MAGWOOD: I'm sorry. I just wanted to 19 add one little thing to that. I think that -- first, let me say that I have been 20 briefed on what we've done so far with knowledge management, and it's 21 actually pretty impressive. I think it goes much further than I've ever seen in other organizations. One thing I would add, though, is that one area 22 23 where I think we probably could improve is in tapping the experience of people who have already retired from the agency. There's a -- one of the 24 25 things I found about, and this is probably true for people in all disciplines, 26 but retirees really would like to be involved. They would like to play a role, they would like to be helpful, and if we can find a way to make -- to give 27

those people an opportunity to help in knowledge management, I think we ought to look more for ways to do that, because I think they would love to play, if we could find the right field for them to play on.

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AUDIENCE PARTICIPANT: The Commission recently 4 5 completed its vote on waste confidence. In that vote, it expressed a view 6 that repository capacity will be available, when necessary, and that it 7 expects that that capacity can be developed within 25 to 35 years based 8 upon a review of international experience. As you know, the regulatory 9 responsibility for reviewing an application for a repository is a first-of-a-kind 10 enterprise, and a number of our employees were recruited to this agency 11 specifically for that purpose, and have spent the better part of 30 years, in 12 many cases their entire career here preparing for that. Some of them have done everything that has been asked of them ahead of schedule, 13 have done it under, shall we say less than ideal circumstances, and is 14 15 there anything that you would like to say to those of us who feel personally 16 betrayed by the Commission's recent decision? Thank you.

CHAIRMAN JACZKO: Well, I'll certainly say my own 17 18 thoughts here. I can appreciate, as I've talked to the staff in NMSS, in 19 particular, about the decision, and the movement we had going forward. I 20 can appreciate concern, and the disagreement with the decision. But, 21 unfortunately, that is, I think, where we are. I think there is a lot of work to be done. There is a lot of work as we begin the process of closeout that 22 23 will be needed to be accomplished, and I hope that staff will continue to demonstrate the professionalism that I think they've demonstrated 24 25 throughout this process, and to work on the things that do need to be 26 worked on as we go forward. Other comments?

COMMISSIONER SVINICKI: I'm sorry. I will just chime in

1 to say, I think in reading the vote record on waste confidence, what I would 2 hope that people could see is that there was a lot of thoughtful evaluation 3 of the history of the agency's activity in this policy area. There were a lot 4 of, not just my own, but I'm aware of other really substantive engagements 5 between the Commissioners and staff in briefings and other discussions 6 that they held as they began to try to dig into the issue, and formulate their view on it. I agree with the Chairman that there is a tremendous amount of 7 8 expertise, and since we were just talking about knowledge management, 9 there is a lot that can be applied to the activities that the Commission also 10 directed as a companion to their waste confidence rulemaking, which is to position the agency, no matter how the policy debate comes out between 11 12 the Congress and the Administration, this agency needs to be prepared in a technical capacity to support various options for the Nation. And I think, 13 in my personal view, I think that the Commission tried to honor that work, 14 15 to apply it in ways that were effective going forward, given that the policy 16 debate will really be engaged by others.

AUDIENCE PARTICIPANT: When will the NRC discontinue the Chairman Paper process? Is there a plan this year to increase the dollar threshold to reduce the administrative burden on staff?

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(Applause.)

CHAIRMAN JACZKO: We are working on a process to have that issue come in front of the Commission in the next several months. I don't want to speak for any of my colleagues, and I'd ask them not to make any judgments too early. But, ultimately, when I -- I sat at this meeting several years, and seen this question come up multiple times. My answer has changed depending on where I sit.

(Laughter.)

CHAIRMAN JACZKO: But when I looked at the problem, one of the challenges that I saw was that I think we've always tried to answer the question of what should the right threshold be. I looked at the problem to see what really should our entire acquisition and contracting process be for really 21st century contracting process. So, we are nearing the end stages of that review, and I think so far what I'm seeing coming out of that I think is a really comprehensive change in how we go about doing acquisitions, in a way that I think will make it more effective and efficient for the staff, and, ultimately, will save us money.

So, a piece of that will likely be a proposal that will be coming from the CFO, or the EDO, or from me to the Commission to modify how we look at the Chairman Paper process. So, that's planned for the next couple of months, and I briefly mentioned it, I believe, to all of my colleagues on the Commission, that that's something they should be looking out for. But, please, if anybody has any comments.

AUDIENCE PARTICIPANT: In France, they are leaning towards building medium-size reactors, for example, 600 megawatts. Will the United States be considering a policy regarding reactor size change? Why, or why not?

COMMISSIONER MAGWOOD: I think that if I --20 21 hopefully, I'm answering the right question, but I think that what you might be referring to is the fact that the French company, Areva, has been 22 23 working with a Japanese company, Mitsubishi, to develop a medium-size reactor technology. I forgot what they call it, the names of these European 24 25 reactors are always hard to remember, usually named after Greek gods or 26 something. And Commissioner Svinicki has provided the information, the name is Atmea. And I can't imagine why I would have forgotten Atmea, 27

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1 but that reactor, in comparison to a lot of the other technologies available, 2 is a medium-sized reactor. But my understanding from talking to people in France, is they are building that more for export purposes, as opposed for 3 use in France, under the theory that for some small countries with less 4 5 developed infrastructure, a medium-sized reactor is somehow easier to manage than a larger reactor. It's a theory I think that has yet to have 6 been rigorously proven, but I think that what you'll find in most developed 7 8 countries is that bigger is generally seen as better when it comes to 9 economies of scale, certainly no reflection on small modular reactors that have certain different applications, and different economic models. But I 10 think if you look at European countries, you look at Asian countries, 11 12 certainly look to what U.S. utilities are talking about, they're generally 13 sticking to the larger plants right now, with a live interest in what small 14 modular reactors might bring.

AUDIENCE PARTICIPANT: What is the vision for technology improvements, and does one of the new Commissioners plan to take up the challenge personally?

18 CHAIRMAN JACZKO: That's a fairly open-ended 19 question. I think, I would take on part of it, and again turn it over to my 20 colleagues. I think a fundamental organizing principle for what we want to 21 do with technology infrastructure here is the Work From Anywhere idea. 22 That is, I think, really the foundation for how we should be able to operate 23 in the 21st century.

With that comes a lot of challenges, the least of which, perhaps, are the budget resources needed to fully implement that kind of a vision. But I think it's important for us to have that kind of vision, and certainly, for me, as I work to develop budgets and present them to the Commission, it's important that we not lose sight of the technology, because when you get behind in the technology curve, it's very, very difficult to catch up. And we don't, necessarily, always want to stay at the cutting edge, but we want to stay current to the extent that we can to insure that we provide the right kinds of tools for our staff to do their jobs. So, that's certainly an important goal for me to continue to make progress in that area, and it will be a challenge, though.

8 COMMISSIONER SVINICKI: I just – well this is 9 gratuitous, but we experience the same challenges, because we rely on all the same IT systems as every other NRC employee. And I struggle, I 10 11 know we have a lot of security requirements, but sometimes rationalizing 12 the various requirements, and why on a trip outside of the country, I could 13 not get my loaner laptop air card to work. I did much better with my personal iPad. I just forwarded the emails to a personal account, and read 14 15 them on there. So, some of these things seem like solvable challenges, 16 but I share the frustration of many folks when you find yourselves trying to work remotely, and struggling with technology challenges. But as the 17 18 Chairman said, we can't, necessarily, stay on the cutting edge, but when 19 you find that your own personal devices that you just have purchased with your own money and carry around serve you so much better than what we 20 21 get from the agency, clearly, that's frustrating to everybody.

AUDIENCE PARTICIPANT: Good afternoon. I was interesting to see if you could elaborate on how the agency is meeting its statutory requirements under the Nuclear Waste Policy Act, the law, in light of the recent direction that we're getting in budget space, as well as from EDO?

CHAIRMAN JACZKO: Well, I'll answer that this issue was

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one that was reviewed very, very carefully by the General Counsel, and it's in 100 percent compliance with all our statutory and legal obligations. I know -- perhaps, Commissioner Ostendorff may want to comment. I mean, there is, perhaps, a disagreement on the Commission, but, certainly, from the standpoint of the General Counsel's office, there is no ambiguity there.

COMMISSIONER OSTENDORFF: Thank you, Mr. Chairman. Again, I'm grateful that we have an environment in which we can openly in front of lots of people express a difference. I really respect you for providing the opportunity.

I'm going to say this. My two documents, October 6th and 11 12 October Memo were released last Thursday. They're available for you to read. I still to this day having read the Office of General Counsel memo, 13 still stand by my two memos from two weeks ago, and believe my 14experience working in Congress as a staff person, working as the Principal 15 16 Deputy Administrator in NNSA, and having had significant interface with 17 other people with appropriations experience, believe that the direction that 18 I was trying to achieve via my COM was the appropriate direction of the 19 agency. Having said that, I respect that the majority of my colleagues do not agree with me, so we continue on. 20

COMMISSIONER SVINICKI: And I would just like to say 21 for purpose of clarifying, for any of those following this issue closely, that the Agency General Counsel did release his interpretation, at least I got it on Friday, and I would just say that even having reviewed his 25 determination, I stand by my vote in support of Commissioner Ostendorff's COM. 26

AUDIENCE PARTICIPANT: What is the Commission's

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view of the NSPDP program? How do you see the program in the future? Example, do you see it modified, eliminated, et cetera?

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CHAIRMAN JACZKO: Again, my sense is the NSPDP program is a very good program, and it works very well. The biggest challenges we may see, just looking out in the future, would simply be the size of the program, as we enter into a period in which we may not see the same kinds of growth in budget and staff that we've seen over the years. We may have to look over time at having a smaller group, perhaps, of individuals in the NSPDP program. But I certainly have heard nothing that would indicate to me that the program is not an extremely successful program, and a great opportunity for recent college graduates to come into the agency, and really begin to contribute right away when they get here, and gain some valuable experience as they do their rotations in other areas of the agency.

15 COMMISSIONER SVINICKI: I would just add to that and say when I've addressed university groups, that just describing the 16 17 NSPDP program has been a tremendous recruitment tool. And I started 18 two and a half years ago, where there was more hiring going on, and we 19 flattened off, so it's almost something that I include in remarks with a little 20 bit of trepidation, because I hate to get -- you will often have a number of students come up to you afterwards, and they're so intrigued and enticed 21 by the program, it's really peaked their interest in NRC, so I think it's great. 22 23 And as a recruitment tool, I found it very effective.

AUDIENCE PARTICIPANT: The design of Three White Flint North has a mostly glass facade. What is being done to harden the design against an Oklahoma City-type attack? Also, what is being considered to dampen the sandwich wave impacts of a truck bomb between the building on Marinelli Drive?

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CHAIRMAN JACZKO: The building -- I think there has been a slight change, that the building will have less glass than I think some of the initial designs portray. But the building has gone through review, working with the Department of Homeland Security, it will meet the highest standards appropriate for that building, and that includes looking at a variety of the issues that you discuss. Those design features will be put in place with the very specific design that's going on now, as well as external features that will help deal with the kinds of incidents that were talked about. I don't want to go into the specifics here, but it is something that is being reviewed as part of the design, and it's a requirement, and it will meet the various highest levels of requirements to deal with all those types of external threats.

AUDIENCE PARTICIPANT: Have the Commissioners interacted with the Blue Ribbon Commission of America's Nuclear Future? Do you have any insight into what they may recommend?

17 CHAIRMAN JACZKO: I have not had any direct 18 interaction. I think at the staff level, we've had interaction providing 19 support on various of the subcommittees, and technical information, as is 20 requested. I don't know if the others would like to comment.

21 COMMISSIONER SVINICKI: I have not had any direct 22 involvement. I have inquired, as our staff has presented technical 23 information at some of the subcommittee meetings, I've asked of NMSS 24 and others if there was anything that came out of that, any request for 25 additional support, but I've not directly been involved in anything.

COMMISSIONER MAGWOOD: Just very informally, but I
 think what I would offer about it so far is, I think the Commission is really,

the Blue Ribbon Commission is really just now gaining steam. They've been organizing themselves a lot over the last few months, and I think they've been educating themselves on some of the basics of the issues.
And I think at this point, what they're mostly doing is going on site visits and just gathering more information, so it's really very early to start thinking about what their conclusions will be. I really look at this as really the first step of a long process. So, of course, we're all just looking forward to seeing what they come up with.

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COMMISSIONER OSTENDORFF: I, personally, have
 not, but I have been very well kept up-to-date by Kathy Haney in our
 periodic meetings about the status of her staff's engagement, and I'm
 encouraged by the level of engagement that that group has with the
 Commission. I think it's very important going forward.

AUDIENCE PARTICIPANT: As we continue to reduce risk in operating reactors, how do we identify new or unanticipated sources of risk, and what can we do to avoid complacency in our regulatory programs and operations?

CHAIRMAN JACZKO: We had a whole Commission meeting about that last week, I think, and talked about a lot of these issues. Again, I think this is a very difficult issue, and one that we'll be faced with as new plants, in particular, become -- have inherent design features that make them safer, or have lower risk profiles. It will be very interesting, I think, to see how those issues play out in the future, and how we, again, maintain the kind of oversight to insure safe operation.

25 One personal view of mine is that I think as time goes on, 26 that we will be dealing more with human performance issues as more of a 27 driver to overall licensee performance, as some of the technology aspects of the reactors become better understood, and better defined. But one valuable tool I think that we have seen recently is the value of the operating experience program. That has really provided a good insight into the kinds of challenges that continue to be out there, and a wakeup call that we can't let anyone become complacent in this area, that there are challenges, and we need to continue to focus on them.

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COMMISSIONER APOSTOLAKIS: Yes. I think looking 8 at the history of LWR, the current fleet risk assessment is very instructive. Way back, the reactor safety study dismissed the so-called external 10 events, earthquakes, and so on. And then the industry sponsored Zion and Indian Point PRAs came along in the early `80s, and they said these 11 12 are very important contributors to risk, so that was a relatively major change in the risk estimates. 13

Then later on, a few years later, we had the recognition 14 15 that the contribution to risk from low power and shutdown operations is of the same order as the risk at power, so that was another change. And 16 17 then, of course, we had the continuous evolution that took place as a result of operating experience, and the collection of that experience that 18 19 the NRC staff has been doing over the years.

Personally, I don't think that you will have such a major 20 21 change, or significant change in the risk estimates for the current fleet. The PRAs for the current generation of reactors have been done around 22 23 the world by governments, by private organizations, so I think to find something that nobody had ever thought of is extremely unlikely. 24

25 Now, for new reactors, though, these are new designs, 26 we get very low estimates of their core damage frequency, and large release frequency. We don't have any operating experience, we don't 27

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I just am very skeptical of the numbers we see now will survive. But the key word you mentioned is unanticipated. I mean, it reminds me of a question that ACRS asked a staff member years ago, tell us what you know about the things you don't know.

(Laughter.)

AUDIENCE PARTICIPANT: In light of the "Washington Post" article highlighting negative perceptions of federal employees, does the Commission see a role for itself to educate Congress and the public on our value to public health and safety?

CHAIRMAN JACZKO: Well, I think, and I think as 14 Commissioner Magwood touched on in his opening remarks, I think 15 16 general trends about the federal workforce, I don't think represents specific views of the NRC. In my dealings with the public, with other government 17 18 officials, I almost always hear incredibly positive comments made about 19 the professionalism of the NRC workforce, and that includes licensees, 20 almost everywhere you go internationally, as people have talked about. 21 So, while I think there may be some very general comments about the federal workforce, I don't think that they are specifically reflective of views 22 23 of the NRC.

In direction answer to the question, I think, yes, it's very appropriate for the Commission to weigh-in with anyone that they need to about this agency, and the good work of the people who are here. And so I think that's certainly a very important role, and I certainly will let the

Commissioners speak for themselves, but I feel very comfortable saying on behalf of the Commission there's a strong sense that we have a very, very good workforce here. Anyone wants to comment, specifically?

AUDIENCE PARTICIPANT: Does the Commission have a view about the multiplicity of communication vehicles we use? Are we, unnecessarily, adding to information overload?

CHAIRMAN JACZKO: Again, please, anyone jump in. I don't have any specific views on this. But I would say that this is a comment that I've heard from others, and it's something I'm sensitive to. We do have a lot of different vehicles for communicating information, Yell Announcements, the EDO's Updates, I have a blog, other Commissioners have other means of communicating. We have email announcements, so we do have a large number right now of announcements, I think. So, I think this is something that's worth looking at to see that we're doing this in a coordinated way, and not overloading with information. Of course, if you add to that the number of surveys that we do, there is a tremendous amount of communication that we do right now. And I think that's a good thing, but we want to make sure that we're not doing too much. So, this is something I've heard quite a few times now. It may be something we need to take a look at more specifically.

COMMISSIONER SVINICKI: Some of this has to do, though, with -- it's highly individual, in my view, as some people are avid 22 23 consumers of information, go home and log on to their PCs immediately and start consuming other information. So, some of it is a product of the 24 25 age we live in, and so I thought it was interesting. I don't know if Margie 26 Doane is here. I wasn't going to name her, but I'm going to anyway. Okay. So, we -- she and I were meeting, and she said, "Oh, you asked 27

1 some questions about the OIP Weekly Report," and she said, "I was just so thrilled that somebody is reading it." So, there is -- I am, actually -- I will 2 speak only for myself. I'm reading these things. I guess a better way to 3 look at it is, I know it's time consuming to have to provide periodic 4 5 informational status reports, you might be avoiding some kind of briefing request that I would have, so it may be that it avoids other work. I think, as 6 the Chairman said, we always need to be able to look at whether we're 7 8 creating too many parallel paths, but I am an avid consumer of the Daily 9 Note, the Look Ahead, things like that. I don't think I could do my job without those vehicles, so please know that they are read directly by me, 10 11 and I'm a consumer of all the various organizational reports and 12 newsletters you put out, as well. So, I just say that only for myself. 13 CHAIRMAN JACZKO: We'll take one more question, and then we'll give Dale an opportunity to make some remarks. 14 AUDIENCE PARTICIPANT: How does the Commission 15 assess risks associated with having foreign assignees at the NRC, or with 16 17 other international interactions? 18 CHAIRMAN JACZKO: Any individual that comes, 19 whether they're a foreign assignee, or any other contractor goes through a significant review that includes many different federal agencies 20 21 participating. So, any individual that comes meets all of those requirements in order to be able to come here as a foreign assignee. 22 23 Well, again, I want to thank you all for the questions, and we'll now turn to Dale Yeilding to make some remarks on behalf of the 24 25 National Treasury Employees Union. 26 (Applause.) MR. YEILDING: Please, please. Thank you, Chairman 27

and Commissioners.

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Just a few comments on maybe reflecting on the past year, and some of the current event situations the union is facing. I'll try to be brief, I know we've been here for an hour and a half.

I'd like to give commendations to NRO, who piloted the NewFlex Program, and, of course, that schedule was put into the collective bargaining agreement a year ago. The union has seen minimal problems with implementing these flexible workplace schedules. I don't think we've filed a single grievance, maybe one or two, for some strange anomalies, but would like to congratulate both supervisors and employees for working together to get the mission done, yet work on these varied flexible schedules that we have.

I'm not sure the good news was reflected with the \$10 13 parking increase in the announcement that went out. The union was 14actively involved in negotiating that \$10 increase, which wasn't much 15 16 considering that parking in Headquarters had been \$60 for so long, but 17 along with it, we negotiated the pre-tax aspect of paying for parking, which is finally now going to be implemented by the Department of Interior that 18 19 does our paychecks, so if you're in the 28 to 33 percent tax bracket, without getting into details here, \$60 or \$70 being pre-tax will save you 20 anywhere from \$17 to \$20, so marry that with the \$10 increase, and it 21 22 might be a little bit more digestible.

Three White Flint, several questions on Three White Flint. The union has been involved in -- pre-decisional involvement with all the aspects of Three White Flint. We haven't had to really get down to traditional negotiations, because everything seems to be being resolved in what we call the Occupancy Team Committee, which NTEU has

representatives from each office going into Three White Flint, and we've been fairly successful in our issues dealing with the size of offices, window offices. We've got I think one-third of the offices in Three White Flint are going to be up in the neighborhood of 95 square feet, when we find here in the One White Flint, and Two White Flint complex, we have a few hundred square foot offices, but the majority is 80 square feet, so I think the agency is doing a tremendous effort insuring that Three White Flint has all the amenities of our other two buildings, all the flexibilities. We'll probably talk a little bit at a later time about the day care center, and the fitness center, whether or not they have to be expanded after we build Three White Flint, but those are some issues that are down the road.

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12 The Chairman signed a partnership charter with our National President, Colleen Kelley, a few weeks ago. It's a charter that 13 implements the President Obama Executive Order from last year. How 1415 much of a change, probably take a little bit too long to talk about that here 16 at this meeting, but we hope to have individual offices more involved in staffing plan changes and reorganizations at only the discussion level, and 17 18 not the negotiating level. So, with that, I would encourage folks that have 19 not been involved in partnership in the past, to consider joining your office 20 Partnership Committee, and get involved in a one to two hour meeting 21 once a month to talk about issues affecting your office, not necessarily policy issues affecting all of the agency that we'll be handling on the office 22 23 level, but staffing plan, reorganization, office moves, things of that nature are going to be handled in that environment. 24

Just to get into current events. This is, obviously, Appraisal Month. Some folks maybe already have had their appraisal. A couple of the changes that were implemented last year in the collective bargaining agreement was that we're marrying the appraisal to the award process, so we may say that the appraisal process is somewhat subjective, but the award process was also getting those subjective allegations years ago. But now your performance award that hopefully happens next year, will be directly tied to your appraisal score, so it makes all the more importance of working towards getting an accurate and true appraisal.

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8 Two notes dealing with some litigation, and some 9 grievances we've had dealing with awards, one positive, and one negative. 10 I'm happy to say that we've been in negotiations for a while dealing with a 11 shortfall in the award amount that was issued to employees last year. In 12 the collective bargaining agreement, we prescribed a certain percentage, 13 and reached agreement with the agency, and when the agency did the calculations, they were close to a half million dollars short, and we just 14 15 signed an agreement this week dealing with those 1,675 employees that 16 received an award in November of last year, will be receiving about a 13.3 17 percent supplement, 13.3 percent of the award, boiling down to about 18 \$300. So, that was a success, and I'm glad we were able to work that out 19 with the agency.

The bad news is, there's a litigation going on that we are not in agreement, and that's the fact that your award is supposed to be tied directly to your performance; yet, numerous offices have elected to not give an award to someone that has earned and achieved a promotion for the year. So, we're in current litigation on that, and I'm basically making that statement now, rather than talking about it after we resolve the issue, hoping that the same situation doesn't happen again this year.

If someone is a high performer for a whole year period, and they

So, thank you very much, and I'd like to just end by saying we have openings both in the partnership arena, and the stewardship arena for anybody that would like to get involved in labor relations. You can talk to me, or Larry Pittiglio. We'll stick around here in the front of the auditorium after. Thank you very much for this opportunity.

(Applause.)

CHAIRMAN JACZKO: Well, again, on behalf of the Commission, I want to thank everyone for coming; obviously, the Commissioners for all their insightful answers, and thank everybody for all their hard work and dedication to this agency. We will see you next year.

(Applause.)

(Whereupon, the proceedings went off the record at 3:15

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