

UNITED STATES

NUCLEAR REGULATORY COMMISSION

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TODAY AND TOMORROW ACROSS REGION II BUSINESS LINES

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WEDNESDAY,

OCTOBER 30, 2024

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The Commission met in the Region II Office, 245 Peachtree Center Ave NE, Atlanta, Georgia, at 1:00 p.m. EDT, Christopher T. Hanson, Chair, presiding.

COMMISSION MEMBERS:

CHRISTOPHER T. HANSON, Chair

DAVID A. WRIGHT, Commissioner

ANNIE CAPUTO, Commissioner

BRADLEY R. CROWELL, Commissioner

ALSO PRESENT:

CARRIE M. SAFFORD, Secretary of the Commission

BROOKE CLARK, General Counsel

EXTERNAL PANEL:

SEAN PATTERSON, Regulatory Affairs & Environmental, Safety, & Health
Manager, Honeywell Metropolis Works Facility

ROBERT S. FREEMAN, Chief Growth Officer, Fuel, North America,
Framatome Inc.

JOHN WILLIAMS, Senior Vice President of Technical Services and External
Affairs, Southern Company

SCOTT HUNNEWELL, Vice President for TVA=s New Nuclear Program,
Tennessee Valley Authority

JEFF PLACE, Executive Vice President of Industry Strategy, The Institute of
Nuclear Power Operations

SHELLY STANCIL, Georgia State Liaison Officer, Safety and Compliance
Supervisor, Georgia Environmental Protection Division

NRC STAFF:

MIRELA GAVRILAS, Executive Director for Operations

MARK MILLER, Deputy Regional Administrator, Region II

LaDONNA SUGGS, Director, Division of Fuels, Radiological Safety, and
Security, Region II

TOM STEPHEN, Senior Reactor Analyst, Technical Support and
Assessment Branch, Division of Operating Reactor Safety, Region II

WILLIAM TRUSS, Acting Senior Resident Inspector, Vogtle 3&4, Region II

JOHN PELCHAT, Senior Government Liaison Officer, Region II

PROCEEDINGS

1:00 p.m.

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2
3 CHAIR HANSON: Good afternoon, everyone. I convene
4 the Nuclear Regulatory Commission's public meeting for the purpose of
5 hearing about activities here at the Region II office. I continue to see a
6 tremendous value in hosting public meetings outside of headquarters, and I
7 want to thank Laura, and Mark, and the whole team at Region II for hosting
8 us today, and as always, a big thank you for SECY for making all of this
9 happen and making sure that these meetings run smoothly.

10 We're going to hear from two panels today. I think we'll
11 just dive right in. The first is a panel of external stakeholders who are going
12 to speak about a wide range of topics from current and future landscapes of
13 the nuclear industry and engagement with NRC regional staff, and then we'll
14 take a short break, and then we'll hear from NRC staff about the various
15 activities here in Region II.

16 Before we start, I'll ask my colleagues if they have any
17 remarks they'd like to make? Okay, good to have everybody here. We're
18 going to begin first with Sean Patterson. He's the Head of Regulatory
19 Affairs and Environmental Safety and Health Manager for the Honeywell
20 Metropolis Works Facility. Mr. Patterson, the floor is yours.

21 MR. PATTERSON: Thank you, Chair Hanson. I
22 appreciate the opportunity to speak with you today. My topic for today is the
23 perspective of a Part 40 licensee from idle state to full operations and future
24 perspectives. Next slide, please?

25 To give a background of the pre-idle state, Honeywell

1 submitted our license renewal application in February of 2017, and it was
2 accepted by the NRC May of that year.

3 The announcement to idle the plant due to market
4 conditions was made in November of 2017. A plan was developed to
5 convert the intermediate material to final product, and then remove all of the
6 final product from the process equipment. The UF6 process equipment was
7 maintained in a safe state during the idle time.

8 The plant removed the rest of the bulk chemical storage
9 that was required over the next six months, and reduced the workforce from
10 approximately 350 to 26 employees. With NRC approval, we relaxed
11 specific requirements of our security order during the idle state. Next slide,
12 please?

13 Activities conducting during the idle state consisted of
14 receiving, sampling, and shipping uranium ore concentrates. On March 4 of
15 2020, our NRC license SUB-526 renewal was granted for a 40-year term,
16 and with the renewal came multiple license conditions in the event that the
17 facility would restart. Also during the idle period, we removed five calcium
18 fluoride settling ponds that was an EPA requirement. Next slide, please?

19 On February 19 of 2021, Honeywell announced a two-year
20 restart plan for the Metropolis facility. A detailed timeline was established,
21 not only to meet our business objectives, but also to meet the NRC license
22 conditions for restart.

23 A flexible inspection plan was established using core
24 inspection procedures, which included the use of the Smarter Inspection
25 Program that had recently been implemented.

1 There was excellent communication between Honeywell
2 headquarters and the Region to address the restart license conditions.
3 Region II inspectors would verify and confirm field activities as headquarters
4 would provide document reviews. Region II also conducted a security
5 inspection to ensure that we were in compliance with our security order.

6 A staggered approach was used to fully implement our
7 emergency response plan. During the restart period, the NRC observed
8 multiple emergency preparedness exercises and conducted multiple
9 inspections. All license conditions were completed in October of 2022, prior
10 to our January of 2023 restart goal. Next slide, please?

11 The operational plan for the restart was quite complex in
12 which to hire, train, and qualify a workforce that included salary, hourly, and
13 contract workers. A phased approach was implemented to identify key
14 functions needed to evaluate the site condition.

15 This included inspection and evaluation of infrastructure
16 such as electrical systems and instrumentation, process and fire water
17 systems, and mitigation systems. The same approach was used for the
18 process equipment. Next slide, please?

19 The site experienced significant challenges tied to the
20 timing of our restart plan. With the country just recovering from the
21 pandemic, we were faced with challenges in staffing, infrastructure support,
22 and supply chain functions. Due to the five-year duration of our idle state,
23 many experienced employees retired or found employment elsewhere. We
24 were able to secure a number of retired employees and short-term
25 contractors to help mentor and assist restart activities.

1 The extended duration of the idle period also played a part
2 in the loss of existing boilers and higher than expected attrition rates for
3 electric motors and mechanical pumps. Specialized vendors such as vessel
4 coating contractors and industrial refrigeration mechanics were also difficult
5 to obtain at this time.

6 The supply chain function was perhaps the largest
7 obstacle, with long lead times on specialty items. There were lead times as
8 long as 14 to 16 months on metals and raw materials.

9 Carbon products were difficult to secure due to some of
10 our previous vendors had discontinued our needed items or completely
11 changed the markets. The Metropolis team overcame these challenges and
12 began full operation in 2023. Next slide, please?

13 Honeywell made significant capital investments by
14 repairing or replacing over 1,000 piping circuits and over 100 vessels for
15 restart. The plant also seismically upgraded various other support
16 structures such as our administration building and laboratory. New
17 structures were also added as an operations center that was a central
18 control room and a new boiler house. Next slide, please?

19 The site community engagement committee supports
20 many community programs and organizations, such as school drives,
21 charities, and food pantries. We are initiating a community awareness
22 committee to keep local residents and officials informed of plant activities.
23 Metropolis is now at pre-idle staffing and operating 24/7 with full capacity
24 expected within the next few years.

25 Earlier this month, Honeywell announced a spinoff of the

1 advanced materials business into a new publicly traded company. The
2 spinoff does include the Metropolis site and a number of other facilities.
3 This new company creation is targeted for late 2025 or early 2026. No
4 other information is available at this time, but Honeywell will keep the NRC
5 updated as we proceed through this process.

6 For NRC opportunities, Honeywell would like to encourage
7 the NRC to continue pursuing the Smarter Inspection Program and also
8 continue the efforts to, I'm sorry, continue the efforts for the annual fee
9 transparency and predictability. Thank you.

10 CHAIR HANSON: Thank you, Mr. Patterson. Next, we'll
11 hear from Bob Freeman. He is the Fuel Chief Growth Officer for North
12 America for Framatome.

13 MR. FREEMAN: Good afternoon and thank you for the
14 opportunity to speak. Next slide? I'll start off with the current state.
15 Framatome was licensed in 1969. We received our 40-year extension in, I
16 think, 2008 or '09. We make PWR and BWR fuel. We serve about 30
17 percent of the U.S. market, with some exports to Taiwan and Japan.

18 We have very strong, experienced regulatory staff. We
19 were an early adopter of the performance-based regulation, which I think you
20 all know turns into the integrated safety analysis approach. And from a
21 performance standpoint, 16 years of good LPR reviews. We're pretty happy
22 with that. The last level IV was about eight years ago.

23 We have good standing with the state and local regulators,
24 excellent standing with the community, the Richland community, Richland
25 city, Benton County, et cetera. And we're very proud that our operation is

1 environmentally sound. It's very green.

2 All of our materials are either discharged to municipal
3 sewage levels, sold externally, or reprocessed internally. That makes us in
4 a very good position right now for the community and what's going on with
5 climate change. Everyone's very happy with our process from that
6 perspective.

7 And we've invested in the plant. One thing that we
8 haven't done is ignore and let it age. Since 2000, when Framatome took
9 over the Siemens Power Company organization, we've invested over \$10
10 million a year in keeping the facility up and running. We welcome people to
11 come out and benchmark us and see the operation from being compared to
12 our competitors. Next slide, please?

13 So, ongoing planned activities, we submitted a license
14 amendment request in September 2024. This is for a, to increase our
15 enrichment up to ten percent and add a TRISO, advanced reactor TRISO
16 fuel line. That LAR has been received but not commented on yet, and I
17 think it's still in that period of review.

18 We have a second license amendment planned for
19 November of this year, which is where we're going to move our overall
20 license for the whole site up to 6.5 percent so that we can improve the
21 operation of light water reactors. And we have won, we are one of the
22 many that have won the DOE HALEU award, so we're anticipating that in
23 about a year from now, you'll see a third license amendment request from us
24 on moving to a Category II facility.

25 So, the first operation is a small operation within the

1 existing licensed site, the second one is to change the overall licensed site,
2 and the third one will be to build additional. So, next slide, please? This
3 should hopefully give you some context.

4 If you start in the upper left-hand corner designated as A,
5 that is our partnership with the USNC. They have a full pilot production line
6 for the TRISO fuel, so they have established how to make it at full scale.

7 We are then going to take that and move it out to the
8 Richland, Washington facility, and when that second license amendment is
9 approved by you all, we'll begin to make TRISO fuel up to ten weight percent
10 under Category III.

11 Item B up there with the arrow shows an area of our
12 factory where we are prototyping moving from UO₂ to UF₄ to metal for
13 another advanced reactor player.

14 Our logic throughout this whole process I'm going to
15 explain is to de-risk what's coming forward, to actually take all of the systems
16 that we've used historically for 50 years and scale them appropriately for the
17 higher enrichments, test them out, and then move onto inserting them in the
18 new Category II facility.

19 So, within the Category III, we're going to be using
20 depleted natural material to prove everything out, get all of our systems up
21 and running, get all of the support things in place, and completely prototype
22 it at scale so that when it's time to move it, it will be very, very simple.

23 Item D, E, and F up there is what we're envisioning to be
24 the new HALEU facility directly adjacent to our Category III, different fence
25 line, different security. You've going to start with a deconversion plant,

1 followed by a metallization plant, followed by a TRISO plant.

2 The size of those buildings will depend on the growth of
3 the industry. We won't immediately make something that big. We will
4 progressively expand as needed. Next slide, please?

5 And as far as potential considerations or suggestions, you
6 know, we've been in business for 50 years. We run our site through
7 programs and methods like exclusion of, you know, moderator, and spacing,
8 and material control accountability.

9 So, we would hope that when licensing comes for the new
10 Category II plant, the experience of the Category III plant weighs in in the
11 licensing, because if the equipment is resized, and it's the same type of
12 process and the same controls that we've been working for 50 years are
13 applied, we would hope that facilitates licensing.

14 The next consideration that's probably the biggest for us
15 and earmarked in the DOE messaging for the HALEU, standing up the
16 HALEU deconversion, is consistency and dependency on schedule. The
17 advanced reactor community is looking for clarity on when the operation will
18 be ready so the planning can be done.

19 You all heard about Google and Amazon picking their
20 players and that feeds back to where we have to be on time to deliver the
21 raw materials for the advanced fuels or the advanced fuels themselves, so
22 consistency and timing is probably our biggest request.

23 The last one would be some consideration regarding
24 security. I guess I would hope that we consider moving from Category III
25 logic of security with material form to Category II versus taking Category I

1 requirements and moving down.

2 We think that would be overkill on the amount of necessary
3 systems because at the end of the day, the materials in the forms are going
4 to be very similar to what we've been working with for 50 years. Thank you.

5 CHAIR HANSON: Thank you very much, Mr. Freeman.
6 Next, we'll hear from John Williams. He's the Senior Vice President of
7 Technical Services and External Affairs at Southern Company. Mr.
8 Williams?

9 MR. WILLIAMS: Good afternoon, Chairman Hanson and
10 fellow commissioners, and welcome to Georgia, home of our country's
11 largest nuclear power plant and clean energy generator. I'm proud that
12 today, Vogtle 3 has completed its first cycle of operation at a capacity factor
13 in excess of 93 percent and is currently refueling.

14 Vogtle Unit 4 has operated its first six months with a
15 capacity factor of 98 percent, which is a testament to both safe and quality
16 construction and operation by Southern Nuclear. We've learned significant
17 lessons during both construction and integration, and I appreciate the
18 opportunity to speak with you about those lessons today beginning with
19 construction. Next slide?

20 Southern Nuclear has spent considerable effort looking
21 into the challenges that occurred and believes three key lessons will support
22 the success of other utilities.

23 First, the engineering design of a facility must be
24 sufficiently complete to allow for efficient construction. Much has been
25 documented regarding the state of the AP1000 design when construction

1 began at Vogtle, and the challenges occurred with both module fabrication
2 and civil works.

3 Second, we believe the Vogtle project office supported a
4 transparent, effective relationship between Southern Nuclear and the
5 Nuclear Regulatory Commission. We are aware that a project office has
6 been established for the Palisades project and are pleased that this model is
7 continuing forward.

8 The third construction lesson is the importance of building
9 a resilient organization capable of dealing with the challenges of year-long
10 projects with thousands of individuals.

11 Southern Nuclear achieved resiliency through, one,
12 partnerships with our co-owners and with labor, two, through cooperation
13 with state and federal officials who enacted legislation that provided the
14 necessary incentives to both continue the project and minimize costs to
15 customers, including the DOE loan program office.

16 While I can assure you that we've captured and
17 documented thousands of construction lessons, these lessons allowed us to
18 test and commission Unit 4 in approximately half the time of Unit 3 and
19 realized substantial cost reductions.

20 Southern Company is committed to sharing our lessons
21 with any utility that wishes to pursue new nuclear generation in the United
22 States and internationally. As we have transitioned the units to operation,
23 we have continued to learn. While our plants are constructed in accordance
24 with their design, some changes are necessary to support more efficient
25 operations.

1 We intend to submit a number of license amendments over
2 the next several years to bring the licensing basis for Vogtle Unit 3 and 4 in
3 alignment with the legacy fleet. Further, as we have done with our legacy
4 fleet, we are implementing a series of physical modifications that improve
5 equipment reliability and overall performance.

6 Regarding licensing improvements, Southern Nuclear
7 recently requested a license amendment to eliminate Tier I and Tier II start
8 information from the operating license. However, we withdrew this LAR
9 after being informed of its nonacceptance.

10 Maintaining Tier I and Tier II information in the operating
11 license makes Vogtle 3 and 4 inconsistent with the rest of the industry in that
12 Southern Nuclear is required to seek NRC approval for changes that can be
13 done at other facilities using owner-controlled processes. Continuing to
14 maintain Tier I and Tier II information in the operational phase is an
15 unnecessary burden and does not allow for efficient regulatory processes.

16 Second, we have learned that some reactor oversight
17 process performance indicators do not align with the intent of the indicators
18 when applied to the AP1000 technology. For example, the actuation of our
19 passive safety systems inadvertently meets the indicator definition of a
20 complicated unit scram even though a review of the probabilistic risk data
21 indicates that the consequence of the event is very low and doesn't meet the
22 intended definition of the indicator. We expect other indicators will need
23 adjustment and an efficient process to evaluate these changes should be
24 developed.

25 Finally, Southern Nuclear appreciates the NRC has issued

1 reviewed inspection procedures for Vogtle 3 and 4, with some reduction in
2 inspection scope samples. However, further reductions are warranted to
3 account for the enhanced safety features and significantly lower risk profile
4 of the AP1000.

5 As we look forward, Southern Nuclear intends to operate
6 the Vogtle site as two separate two-unit sites. We have and will continue to
7 look for synergies and efficiencies where it's more prudent to operate a
8 functional area as one four-unit site. For example, security and emergency
9 planning are already combined.

10 Although Southern Company has not current additional
11 nuclear development planned, we continue to evaluate options for meeting
12 our customers' growing demand for electricity. It is concerning that the
13 design certification for the AP1000 is set to expire in February 2026.

14 Southern Nuclear supports the staff's recommendation
15 within SECY 2252 to eliminate the expiration for existing and new design
16 certifications. This action would give regulatory clarity and line of sight to a
17 continued combined construction and operating license for AP1000.

18 Additionally, as international partners look to the NRC for
19 leadership in nuclear regulatory matters, not having an approved DCD for
20 the AP1000 could impact deployment plans for this very safe technology
21 around the world.

22 We commend the NRC for its thorough documentation of
23 lessons learned from the Vogtle project. However, more urgent
24 implementation strategy is necessary, and we are concerned that future
25 deployments would not benefit from these lessons if they're not

1 implemented. Thank you for the opportunity to speak to you today. I look
2 forward to any questions you may have.

3 CHAIR HANSON: Thank you, Mr. Williams. Next, we'll
4 hear from Scott Hunnewell. He's Director and Vice President for TVA's new
5 nuclear program at the Tennessee Valley Authority. Mr. Hunnewell?

6 MR. HUNNEWELL: Good afternoon, Chair Hanson and
7 commissioners. I appreciate the opportunity to share a perspective with the
8 audience on how the growth in energy demand in the TVA service territory
9 affects and impacts TVA's decision drivers around considering nuclear
10 generation as part of TVA's target power generation mix.

11 I'd like to first say that the opinions and projections in this
12 presentation are merely those, and do not reflect formal decisions by or
13 policies of the TVA board of directors unless otherwise stated in these
14 slides. Next slide, please?

15 TVA's mission is simple. It's to make the life for the
16 people of the Tennessee Valley region better. TVA's roughly 10,000
17 employees and 10,000 contractor team members work every day to achieve
18 this by focusing in three areas, energy, environmental stewardship, and
19 economic development.

20 The southeastern United States and TVA's service territory
21 in particular is experiencing strong economic growth. The chart on the right
22 side of this slide is the most important with regards to the shape of the curve.

23

24 Load growth for TVA has been relatively flat in the decade
25 leading up to the COVID-19 pandemic. Coming out of the pandemic, TVA

1 and other utilities, especially in the southeast, have seen demand growth
2 return to an increasing trend similar to that seen in the mid-2000s.

3 This increasing load demand reflects economic growth in
4 the southeast, increasing electrification of industries, and an increasing
5 residential population that uses more electricity per capita year over year.
6 Next slide, please?

7 TVA is a national clean energy leader, with 55 percent of
8 our power supply coming from carbon-free sources in 2023. More than 40
9 percent of TVA's clean energy comes from our seven operating nuclear
10 units.

11 The mix of carbon-free generation in the system was
12 bolstered by the Watts Bar Unit 2 completion and startup in 2016, a series of
13 extended power uprates for our three Browns Ferry units completed in 2019,
14 and the retirements of multiple coal-fired generators across seven sites
15 between 2012 and 2023.

16 Looking to the future, TVA has plans for the addition of
17 wind and solar generation either in the service territory or beyond, and today,
18 gas-fired generation is a currently available technology that can provide the
19 dispatchable, reliable, and economic power needed by TVA's customers.

20 For these reasons, TVA has several gas generation
21 projects in process. TVA's aspirational path to net zero carbon includes a
22 retirement of the remaining coal-fired generation units, with anticipated
23 closure of all coal plants by 2035.

24 As you can see from the FY 2023 chart, the coal-fired
25 generation accounts for approximately 15 percent of TVA's power supply.

1 One thing to note is we do not see a path to net zero without nuclear power
2 being in the mix.

3 So, for TVA, the challenge is not just meeting the
4 increased power needs of our customers, but at the same time replacing the
5 generating capacity of assets that have reached the end of their useful and
6 economic lives. Next slide, please?

7 While there are a good number of considerations for all
8 utilities making future asset decisions, I want to highlight just a few to give
9 you a sense of how these considerations can intersect for TVA.

10 The TVA Act requires the use of least-cost planning
11 process that is further defined in the statute. TVA must consider factors
12 such as the reliability of the system, the diversity of generation, the costs
13 and price stability of fuel, in the final analysis, a cost comparison of the
14 alternatives.

15 When considering new energy resources that provide
16 adequate and reliable service to Tennessee Valley Authority at the lowest
17 system cost, factors to consider include all direct and quantifiable net costs
18 for an energy resource over its available life, including the costs of
19 production, transportation, utilization, waste management, environmental,
20 compliance, et cetera.

21 This least-cost concept for an electric utility is not simply a
22 low bid decision. Further, it's not hard to imagine how similar constraints for
23 low cost, safe, reliable, increasingly clean power generation are applicable to
24 other utilities who answer to their ratepayers, stockholders, and/or public
25 service commissions.

1 TVA is required to complete and integrated resource plan,
2 IRP, every five years to identify the most effective energy resource strategies
3 to meet the region's energy needs. TVA is currently in the public comment
4 period for the draft 2025 integrated resource plan. Next slide, please?

5 So, TVA is investing \$257 million in FY25 to extend and
6 preserve the life of TVA's seven operating nuclear reactors to support an
7 80-year life and beyond. TVA has announced a total of \$350 million in
8 advanced nuclear funding to further the new nuclear program and support
9 the design and development of potential small modular reactors at the Clinch
10 River site near Oak Ridge, Tennessee.

11 TVA is preparing an NRC construction permit application
12 for a potential use of the GE Hitachi BWRX-300 at the Clinch River nuclear
13 site as an enabler for the potential deployment of SMRs to meet the
14 Tennessee Valley's future energy needs.

15 As part of the new nuclear program's mission to identify
16 new nuclear options, TVA is also working with Generation IV technology
17 developers as their technology and designs mature, and even the prospect
18 of additional gigawatt scale nuclear is not beyond consideration, as reflected
19 in TVA's draft IRP.

20 An important aspect of early planning new nuclear is the
21 identification of suitable sites. A systematic approach to siting is critical to
22 ensure the necessary environmental reviews, site characterization, and
23 stakeholder support are present to support new nuclear.

24 Ultimately, TVA will make decisions on potential new
25 nuclear assets that are best for the people of the valley, following a

1 structured process for decision making, subject to the required
2 environmental reviews and the TVA board's approval. Next slide?

3 Maturing new nuclear designs offer potentially significant
4 solutions, and if cost competitive with alternatives, the efficiency of NRC's
5 licensing for multiple deployments of a few standardized designs will be vital
6 to broad U.S. success. Thank you for the opportunity to talk with you today.

7 CHAIR HANSON: Thank you, Mr. Hunnewell. Next, we'll
8 hear from Jeff Place. He is Executive Vice President for Industry Strategy
9 at the Institute for Nuclear Power Operations. Mr. Place?

10 MR. PLACE: Thank you, Mr. Chair and Commission. I
11 look forward to the opportunity to talk to you this afternoon about a very
12 important component to the success of our current and future nuclear
13 industry. I'm going to be talking about training and also the recruitment of
14 our future workforce. Next slide?

15 So, training the current workforce, as you all may know, we
16 run the accreditation process that helps the industry meet the training rule.
17 One of the things that we believe is important is to enhance the
18 effectiveness and also the efficiency of that process, and we've been doing
19 that over the decades.

20 Some of the current things that we're doing today is last
21 year, we moved the accreditation process into our continuous monitoring
22 operation, so instead of putting larger teams out in the field every three years
23 to look at either the operations training programs or the maintenance training
24 programs, we're doing that on a more continuous basis.

25 So, when we put teams in the field for any of our other

1 opportunities, so crew performance evaluations on the simulator, we are
2 capturing those training observations and also doing some of the technical
3 reviews of the programs throughout the period, and we're seeing real
4 benefit.

5 Our members are seeing benefit of that. We're able to
6 work with them to continuously improve the program and the training that's
7 being conducted instead of just doing it kind of episodically every three
8 years.

9 All of the programs are on a six-year cycle, and we do
10 review them on a triannual. So, like I was saying, every three years, you
11 either get an ops training program review or a maintenance. One of the
12 pilots that we're undertaking right now is reviewing all 12 programs at one
13 time every six years. That has been piloted a number of years ago at
14 Diablo Canyon. We are restarting a couple of other
15 pilots. We had one earlier this year that was very successful, and this
16 month, we actually have a team that's actually doing a set of 12 programs at
17 another unit, and they'll come in front of the independent accrediting board in
18 February of next year.

19 We'll make a final decision next year sometime as to
20 whether we want to transition to looking at all of the programs. I should say
21 put them in front of the accrediting board every six years all together and
22 then review them on a continuous basis.

23 We've restarted and we're expanding our National
24 Academy for Nuclear Training. We house that. We are responsible for the
25 operation of that academy. Every station, every licensee in the United

1 States is a branch of the National Academy for Nuclear Training.

2 Under that, we not only accredit the training programs, but we also
3 conduct all of our leadership courses and seminars that actually touch the
4 industry, from first line supervisor all the way up through the board of
5 directors, and we're looking to expand that.

6 And what expansion means is that we've been really kind
7 of limiting that to INPO, WANO, Atlanta Centre, and our members. There
8 are other entities that are now conducting training, high-quality training in the
9 industry that we were not touching, the Nuclear Energy Institute. EPRI is
10 also conducting training.

11 So, we've expanded who's on our academy, and we're
12 beginning to take a look at how we can integrate all of this training so we're
13 not actually duplicating training in the industry and we can also use each of
14 our organizations' talent and skills to best meet the needs of the industry.

15 The training excellence through teaching and learning, we
16 had one way of actually looking at training for so many decades in the
17 industry, and that was through the lens of accreditation. We recognize the
18 accreditation process is in place to meet the training rule, but much of the
19 training that is conducted really falls outside of the compliance component,
20 and so we have been working with the industry.

21 We've been working with some of your staff to try to make
22 sure we put the right structure around what's in accreditation, and then use
23 teaching and learning techniques, more advanced adult techniques to
24 actually help improve the capability of our industry, and that's going quite
25 well. It's still fairly nascent and we've really just started kicking that off in the

1 last year.

2 And then we issued a new standard this year, 24-001,
3 advancing human and organizational performance through a document
4 around proficiency, and we are working with the industry to implement that,
5 as well as it's a very simple to understand model and it's something that we
6 believe will help the current and future fleet that we've got coming. Next
7 slide?

8 I want to talk a little bit about the hiring efforts and future
9 workforce, and this isn't just INPO's hiring efforts, but it's the whole gamut,
10 looking at the industry through a number of studies that were done through
11 the Nuclear Energy Institute, the DOE. We know that we need hundreds of
12 thousands of new staff to meet the needs over the next couple of decades.

13 We are working with the NEI working group, workforce
14 working group, as well as NAYGN, the North American Young Generation
15 group. Several recent surveys that were conducted really gave us some
16 really interesting information.

17 The three top reasons why people come and stay into our
18 industry, the number one is salary, the second one is the mission and
19 purpose, and then the third is the stability of the industry. And it varies
20 depending on the demographics on which one of those is the most
21 important. Salary was highest across most demographics.

22 But it's important because what we're also seeing is that
23 there is so many competing opportunities out there for the same workforce
24 that we're trying to bring in with tech companies as well as with the new
25 nuclear entrants that are also looking to get that same talent.

1 The area that we're losing people the most is in that three
2 to 12-year range. People will come into the industry, and if we are not
3 paying attention to their needs within that three to 10, 12-year range is where
4 we see the highest attrition rate within the industry.

5 And then with the new nuclear entrants, the last thing I'll
6 say is that we're working and engaging with them because the operating
7 models that we use today won't necessarily be the same models that we
8 need to look at from accrediting the future nuclear entrants. The models
9 may not work. They're going to use different business models.

10 Actually, an operator at a Gen IV plant is going to look
11 different than what it is today, so we have to be flexible, and we're working
12 with that group of vendors to make sure we come up with the right thing that
13 will meet the training rule as well as their needs. So, thank you for the
14 opportunity to discuss this.

15 CHAIR HANSON: Thank you very much, Mr. Place. And
16 finally, we'll hear from Ms. Shelly Stancil. She's the Georgia State Liaison
17 Officer and Safety and Compliance Supervisor for the Georgia
18 Environmental Protection Division.

19 MS. STANCIL: Good afternoon, Commissioner and Chair
20 Hanson. I wanted to talk to you guys today about Georgia's perspective on
21 strong relationships and effective communication with the NRC and our other
22 partners. Whether you are with a federal agency, a state agency, or local
23 government, we all have one common goal, and that's the safety of the
24 citizens that we serve.

25 And with that goal in the radiation emergency

1 preparedness program, we work together with all of our partners, from the
2 NRC down to our community EMA directors, and we use that opportunity to
3 discuss safety, and to discuss regulations, and to help train first responders
4 to report and respond to incidences at nuclear power plants. So, to that
5 end, our responsibility to maintain those partnerships and to maintain those
6 relationships is utmost important. Next slide, please?

7 So, the citizens of Georgia being our priority, these are all
8 of the partners that we work with, and I apologize if it's too small to see, but I
9 have listed on there all of our state, federal, and local partners that we work
10 with on a regular basis.

11 Part of my job as the state liaison officer and as the DNR
12 radiation emergency protection program manager, is to manage the team
13 that goes out to the counties, and we go and we train, we work with, we do
14 exercises with all of these agencies.

15 In order to do that, we have to have open communication
16 lines. We have to work together. We have to talk to each other. We have
17 to be there when there are things going on and when there's not things going
18 on.

19 So, as part of that, we meet with Southern Nuclear and all
20 of our plant partners quarterly at their quarterly meetings. We also work
21 with them at various exercises. FEMA comes in and evaluates us. So, all
22 of that works together to create a program of readiness so that we can
23 respond and keep the citizens of Georgia safe. Next slide, please?

24 Being transparent and maintaining open lines of
25 communication with our partners is essential for building a strong rapport.

1 Demonstrating knowledge, reliability, and helpfulness in interactions with our
2 partners enhances our trust and credibility. Tailoring messages' tone and
3 style aligned with regulatory expectations and preferences is key to building
4 effective relationships. Next slide, please?

5 We nurture these relationships and foster open
6 communication channels when we remember our values, and we prioritize
7 mutual understanding of our responsibilities to protect and serve. We also
8 have to remain adaptable to any changes that occur. Credibility is built
9 during the transparent collaboration during exercises.

10 We also recognize our different perspectives and
11 experience can cause challenges. However, mutual respect and
12 appreciation will build bridges and further create great relationships, and
13 nurture effective communications with our partners. Next slide, please?

14 When we're fostering open communications, it's easy
15 within the REP community. We often share information, collaborate at
16 meetings, trainings, and conferences. During the preparation phase of the
17 Southeast REP Conference, I participated in planning meetings with the host
18 state of North Carolina as well as other southeastern states to plan the
19 event, select speakers, develop the agenda, and present.

20 This opportunity allowed us to work together on something
21 that benefitted the entire region, built relationships, and allowed us to build
22 that fostering of friendship. This open communication and working together
23 allows us to be better partners in the event of a disaster. Next slide,
24 please?

25 Another example in value of the benefit of our relationship

1 with the NRC regional government liaison is the opportunities that are
2 offered to us through those relationships. My team is a relatively new team
3 to the REP world.

4 We have had the amazing opportunity through our regional
5 liaison, John Pelchat, to attend the Plant Bellefonte tour. For anyone not
6 familiar, this plant is an unfinished nuclear generating station that has all of
7 the components that are necessary for learning about how reactors work, for
8 learning how the nuclear power plant works.

9 So, my team being able to go to this training and to walk
10 through this facility that has never been radiated allowed us to learn
11 something that very few people get to see, and we were very excited about
12 that. Currently, the site is used for training, and tours, and office space.

13 This ability to get up close and personal with a reactor
14 without fear of radiation exposure is amazing. The magnitude of the facility,
15 the amount of concrete, metal, and piping is unmatched. The tour was so
16 beneficial to learning how reactors work and the safety mechanisms in
17 place, the analog control room, and all of those things that we were able to
18 get up close and personal with helped my team to learn to be better. To be
19 able to walk through all of it and hear the instructors explain the
20 components, and the safety features, and the design elements were a
21 valuable tool.

22 This opportunity is something we would not have had
23 without our relationship with the NRC. The relationship and regular open
24 lines of communication opens doors to opportunities that may be missed
25 otherwise. Next slide? Actually, will you play the video if it will play? I

1 don't think it did. Can you -- we'll go on.

2 The video is actually of my intern. She was on the last
3 tour that we did. The bottom left, if it will click -- I'm not sure. It may not
4 play. So, this video, she was allowed to go into the stack. So, we were
5 actually touring the facility and went in, and she was able to pop a balloon in
6 there.

7 And I don't know if any of you have ever been into the
8 stack and done that, but it's pretty amazing, the echoes. This was
9 something that she never would have gotten to do without this opportunity.

10 So, again, she was a summer intern in this program, the
11 first one we've had in the state of Georgia for the REP program, which was
12 very exciting for us. So, using those opportunities to work with the NRC, to
13 work with our partners, to work with our state liaison has been amazing.

14 John and I talk to each other quite regularly through phone
15 calls, and I appreciate him always being there when we have questions.
16 Thank you for the opportunity to share.

17 CHAIR HANSON: Thank you very much, Ms. Stancil.
18 Now we'll take questions from the Commission and we'll start this morning
19 with Commissioner Caputo.

20 COMMISSIONER CAPUTO: Good afternoon. Sorry.
21 Thank you all very much for those presentations. A rapidly-increasing
22 demand for energy coupled with a drive to lower carbon emissions as
23 described by Mr. Hunnewell really sets the stage for nuclear power to grow
24 as part of the mix meeting national electricity demand.

25 It was also good to hear from Mr. Williams, as well, and the

1 experiences of Southern Nuclear bringing Units 3 and 4 at Vogtle Station
2 into commercial operation. Like him, I see the need for a practical
3 risk-informed approach to managing changes during construction and the
4 transition to operations. The construction lessons learned report noted the
5 need for hundreds of license amendment reviews by the NRC for merely
6 those two units. Driving these numbers, in part, was the need for a license
7 amendment for departure from what's known as Tier 2* information that has,
8 quote "minimal, if any, safety significance." One example of such a license
9 amendment was to edit a bibliography in a document that was Tier 2* in its
10 entirety. While the staff has made minor changes to guidance in this area, I
11 believe the pursuit of standardization should not be a barrier to risk-informed
12 solutions.

13 With that as background, we also have bipartisan passage
14 of the ADVANCE Act, directing the agency to be more efficient and effective
15 in several areas. One area is the review licensing and oversight of nuclear
16 power plants. Researchers who recently reviewed our regulatory approach
17 for advanced reactors noted that judicial precedent suggests that agencies
18 whose statutes require efficiency are likely to also be required to do a
19 quantitative cost-benefit analysis comparing monetized costs and benefits of
20 their actions, end quote.

21 While this is consistent with our guidance for regulatory
22 analyses, the quality of our execution often falls short. Pending before the
23 Commission is a proposal to align the requirements of our Part 50 licensing
24 process with the Part 52 process implemented for Vogtle 3 and 4. The
25 staff's regulatory analysis showed that most requirements would cost more

1 to implement than the value of the benefits they would yield, sometimes
2 millions of dollars more. Yet, this was masked by the benefit of removing
3 the expiration time span for design certifications. The Commission could
4 act now to improve efficiency by both eliminating the expiration dates for
5 design certifications and implementing practical lessons of construction as
6 outlined in the lessons learned report.

7 Furthermore, needlessly modifying Part 50 adds significant
8 regulatory uncertainty at a time when many companies anticipate filing their
9 license applications under the existing framework. What I've described
10 shows that we need to follow more closely our principles of good regulation,
11 specifically with regard to efficiency, reliability, and clarity.

12 Furthermore, we currently have several rulemaking papers
13 pending before the Commission that predate passage of the ADVANCE Act.

14 These papers present opportunities for the Commission to demonstrate its
15 recognition of Congress's intent to improve efficiency at the NRC through
16 their passage of the ADVANCE Act.

17 With regard to training, as we've seen over the last two
18 years, the NRC has hired in the neighborhood of 600 people and counting,
19 so, obviously, training is a challenge, I think, for us to ensure that people are
20 proficient in the skills that we need to execute the workload that we see
21 coming in the future.

22 So, Mr. Place, you talked about INPO's efforts on
23 advancing proficiency. Is that something that INPO would be willing to
24 share best practices and some of your lessons learned in terms of how to
25 really achieve high standards of proficiency and advanced skills?

1 MR. PLACE: The short answer is yes. We think that it's
2 a high-quality, more generic standard that we've established. We see that
3 some of our utility members are actually taking that and using it across their
4 enterprise, so it's not just nuclear specific. But it helps and it's
5 principle-based, so it's not specific on one job. It's really around how to
6 make individuals, teams, organizations, and even enterprises more proficient
7 in whatever it is, whether it's making a decision -- we were having some
8 conversation today with some utility members about risk decision-making
9 and being aware and being understanding of the foundations.

10 If you think about a Venn diagram, it's established around
11 getting the foundations right, so it's the training, knowledge, experience,
12 recency that is needed to do what you're wanting to do or decide, and then
13 understand the challenges that any individual or team may be faced with.
14 Maybe it's first in a while that the individual hasn't done it. Maybe there's
15 some things going on with an individual's home life that is making them less
16 focused on what they should be doing. But it's really understanding those
17 individual environmental organizational challenges. In the intersection of
18 those two, you find risk, but the self-awareness of where you sit in that or
19 where your team sits allows you then to mitigate that risk, so you can have
20 an excellent outcome at the end.

21 So one example that I've used in the past from a team
22 standpoint, you know, the industry is operating very highly, so we see often
23 stations are running breaker to breaker and they're not having refueling
24 outages or maintenance outages in the middle. Well, you open the breaker
25 and now you're going to be sitting in an outage control center. You're not

1 proficient two years down the road since the last time you closed the
2 breaker.

3 So understanding you've got different team members in
4 place, how you establish the foundations for that team, what are the
5 challenges they're going to have -- maybe there's different things that they've
6 never faced in that outage -- and then how are you going to mitigate it. So
7 it's a simple way of thinking through; but, if done right, it can really help
8 promote an excellent outcome with literally almost anything that you're
9 choosing or needing to do.

10 COMMISSIONER CAPUTO: Thank you. Mr. Freeman
11 and Mr. Patterson, so Framatome was recently awarded a DOE contract to
12 develop HALEU fuel and Honeywell restarted the UF6 conversion facility as
13 you described at length. In the ADVANCE Act, Congress directed the staff
14 to develop an MOU, the NRC staff to develop an MOU with DOE on
15 advanced nuclear fuel and report to Congress on NRC's preparedness to
16 review and qualify advanced nuclear fuels for use in advanced reactors.
17 What more can the NRC do to efficiently and effectively license advanced
18 nuclear fuels?

19 MR. PATTERSON: From our perspective, it's the
20 timeliness and predictability, like we talked about with the license renewal.
21 Now that things are moving pretty fast, there needs to be a quick timeline
22 response. At least with our licensing experience, you know, we submitted a
23 license application, but it could be quite a long period of time before you
24 receive any RAIs or responses to even get the process going. So I do know
25 that there are things with the smarter licensing program that actually have

1 made some improvements, but I still think there's some opportunities there
2 as far as just reacting and the conversation of how do you get from point A to
3 point B.

4 MR. FREEMAN: I would add when you come to our
5 facilities, if it's a very heavy analytical new code topical report, you come to
6 our facilities and meet with the engineers and have that back-and-forth
7 dialogue through an audit that is in part of your system, that facilitates and
8 speeds the process dramatically. So we would invite strongly during
9 licensing to have your license individuals come to our site, sit with us, see
10 the existing processes, see how we're moving them over, and it's about
11 transparency and stopping the misunderstandings that happen with the
12 submittal, the wait, the delay, the RAIs. If there was more interaction, I think
13 you could cut 30 percent out of the schedule very easily because, most
14 times, it's just about communicating to the other person what you're doing.

15 Our stewardship of keeping the site safe is what we rely
16 on. I mean, we don't try to sneak things through. There's no
17 gamesmanship. It's always about understanding, and I think transparency
18 and proximity would help dramatically.

19 COMMISSIONER CAPUTO: Thank you.

20 CHAIR HANSON: Thank you, Commissioner Caputo.
21 Commissioner Crowell.

22 COMMISSIONER CROWELL: Thank you, Mr. Chair.
23 Thank you to all of the participants today, especially those of you who are
24 also attending INPO or maybe got the unpredictable last-minute switch to be
25 here today from your colleagues.

1 I have questions for all of you, and I'll try to get through all
2 of that, but I'm going to pick up first on the Tier 1 and Tier 2* issue that my
3 colleague, Commissioner Caputo, referenced, so John, I'm going to look to
4 you first here. So, you know, I understand that license amendments are
5 one way to address changes in design as you construct a facility and
6 whether you're using an amendment or some other mechanism to address
7 design changes that are learned as you construct. Should commensurate
8 changes be made to the design certification by the holder of the design
9 certificate, so the vendor?

10 MR. WILLIAMS: So, you know, if I look at the purpose of
11 Tier 1/Tier 2*, the reasons they were in there, the intent of that was intended
12 to ensure that we built the facility as it was licensed and designed to be built.
13 That was the purpose of that obviously. So the Vogtle plant has a
14 thousand departures from DCD 19. Two-hundred of those required license
15 amendments.

16 So, you know, I think that we have processes in place to
17 modify our facilities using owner control processes, ensuring that we are not
18 increasing the likelihood or consequences of an event, and making sure that
19 that change is safe, and that can be done without necessarily changing the
20 design certification. So, for instance, if somebody were to apply for a COL
21 today for an AP1000, they would probably utilize DCD 19. That doesn't
22 necessarily include the thousand departures that we have. They would
23 have to include that in their license for submittal.

24 COMMISSIONER CROWELL: In hindsight, and I
25 recognize that's -- any question that starts with hindsight is unfair. But in

1 hindsight, would Southern have included less or different information in their
2 Tier 1 submittal than is currently contained in Tier 1?

3 MR. WILLIAMS: Yes. We believe, going forward, we
4 believe that less information should be included in the Tier 1, focusing on
5 those things that are safety related and of safety significance.

6 COMMISSIONER CROWELL: And I don't disagree with
7 you, but I'm also thinking about how we address this issue without creating a
8 precedent that is converse to that. So I appreciate, you know, it's for a
9 longer conversation, but I appreciate those answers and that dynamic, and
10 we can discuss it more.

11 Sean, I turn to you. You said supply chain issues were
12 the biggest issue in getting back online. Where was workforce? A second,
13 a distant second? How did that play out for you?

14 MR. PATTERSON: Yes. I would definitely say workforce
15 was the second most significant challenge that we had. We're from a very
16 small community, so the workforce is quite limited and there was a lot of
17 other expansions of local chemical facilities and there's a DOE facility that is
18 still in process of decommissioning. So when we went idle, a large portion
19 of our workers went to those areas.

20 COMMISSIONER CROWELL: And then I'll ask you a
21 hindsight question that you'll probably say is above your pay grade. But in
22 hindsight, looking at the supply chain issues and workforce issues
23 associated with going idle and then coming back on the restart, was there
24 any thinking looking back about whether continuing operations would have
25 been, I don't know, a better way to do things or lesser cost ultimately, given

1 the hurdles to restart?

2 MR. PATTERSON: I mean, we went idle because of
3 market conditions, and it was just the market at the time. It was not
4 conducive to continue our operations. So there's been significant changes
5 in the market now, and it made it, basically, profitable to start the facility back
6 up. So it's a really hard question to answer.

7 COMMISSIONER CROWELL: Well, I'll let you off here,
8 saying that, you know, profit, at that time, too, you couldn't foresee the future
9 in terms of a need for a restart and those types of things. So it's mostly out
10 of curiosity whether there was any economic regret with going into that
11 mode, given the challenges that we're all facing on all sides of this with
12 regard to some supply chain, workforce, et cetera.

13 Mr. Freeman, I'm going to turn to you again. I was a little
14 bit confused by your presentation, and I think I just need a little bit of
15 explanation here on the Cat 1/2/3 issue. Are you suggesting that a
16 category, like there should be a 10 percent to 20 percent category?

17 MR. FREEMAN: No, not at all. All I'm suggesting is that,
18 you know, under Category 3, we're supposed to detect and notify. We're
19 not supposed to stop. And we work with bulk materials. Nobody is going
20 to walk off with a UF6 cylinder that weighs a few thousand pounds without us
21 knowing. And, you know, obviously, nonproliferation is the big concern.
22 But the difference of 20 percent in the material forms that we're going to be
23 using, a lot of chemicals, it's going to have similar intrinsic restrictions of
24 concern, versus a Category 1, which is, you know, more of a military-style
25 security level. So I'm just suggesting, on the spectrum, Category 2 is closer

1 to Category 3 than it is to Category 1.

2 COMMISSIONER CROWELL: Understood. Okay.

3 Thank you. I appreciate the clarification. And then, from a researcher
4 technical perspective, are there technical areas in which Framatome is still
5 conducting or sponsoring research on the full-scale industrial processes
6 required to manufacture advanced fuels, or are the processes for these new
7 fuel types pretty well understood and ready to be scaled up for industrial
8 level?

9 MR. FREEMAN: 50/50. The deconversion is incredibly
10 understood and easy to scale. The metalization is in process of being
11 proven, prototyped and proven. And the TRISO is who we're partnered with
12 that it's proven producible product today without the enrichment level, and
13 enrichment doesn't change the process. So it's a combination.

14 COMMISSIONER CROWELL: Okay. I appreciate that
15 clarification, as well. Scott, don't be offended I'm going to skip you for a
16 second and I'm going to come back.

17 Mr. Place, when you're looking at the other entities that
18 have training standards and programs and avoiding duplication, is there any
19 issues related to the relative quality of similar trainings and how do you
20 ensure that there's a high bar or the appropriate bar is maintained if you're
21 going to try to remove duplication of training across different entities?

22 MR. PLACE: Thank you for the question. It really
23 probably depends on whether the training is within or without the
24 accreditation process. There's a lot of leadership training that's provided,
25 and that's really on the licensee and the utility to make that decision. We

1 may offer some help and support, give best practices in that regard; but if
2 you've got training that's going to be going on, let's say it's going to be
3 provided by a vendor that's going to meet chemistry technician program
4 guidelines, then we would do it one of two ways: we would either take a look
5 directly at that vendor's training program or we would review the utility's
6 review and overview of that training program and then make a judgment as
7 to whether it met the requirements in the ACAD which is the academy
8 document that we have for all of our training programs.

9 So there would be some level of oversight. It could be
10 done two ways. We could do it directly, or it could be done through the
11 utility itself that we have provided oversight of what they were doing.

12 COMMISSIONER CROWELL: So as much as I strongly
13 believe in value, you know, workforce training both at the entry level and for
14 the rest of their career, you can't train people who don't exist. What is INPO
15 doing, if anything, or how do you see the farm team coming up through
16 universities and technical schools? If those programs aren't robust, there's
17 no one to train, so can you talk about that nexus a little bit to the extent you
18 can?

19 MR. PLACE: Yes. And INPO has a role in this. I would
20 say the Nuclear Energy Institute probably has played a much larger role
21 using that workforce working group and working with the craft labor unions,
22 as well as the government, military, and others. So through the universities,
23 one of the things I didn't really highlight much in my talking points is we
24 recognized years ago, back in around the 2000 to 2008 we developed what
25 was called the Nuclear Uniform Curriculum Program, and that was really

1 focused on associate-level training and it was primarily around radiation
2 protection, chemistry, some of the craft level and also non-licensed
3 operators. And it was intended to say here's the standards for the industry,
4 and then you'd see a utility partner with a junior college or a university to
5 develop a program that was specifically intended to produce people that
6 might step into a radiation protection technician job and they would get some
7 experience through that. They would also have the training. We would
8 have certified that the training was appropriate and met the needs, and they
9 would be issued a certificate.

10 Well, at the peak of that, back in 2011, there were 50
11 different university programs that were filed under this program. As we sit
12 here, around 2023, there's only 15. And so there was a lot that happened.
13 What we thought was going to be the renaissance in the industry to begin
14 with, some of the hiring just never occurred and those programs eroded.

15 So we are revitalizing that now. There's a CNO who is a
16 sponsor of that. We are engaged, but we actually have given the
17 responsibility of that over to the utilities themselves. And we will stand up
18 through an advisory committee. We'll do a challenge board. We'll make
19 sure the certification is appropriate. But there is work going on in that
20 space. That's just one avenue of trying to get people in the door with the
21 nuclear plants.

22 COMMISSIONER CROWELL: Maybe moving ahead,
23 there may be opportunities with big tech to help with this conundrum, as well,
24 since they're going to be in the nuclear game.

25 MR. PLACE: Yes. Right now, they're actually hiring our

1 people.

2 COMMISSIONER CROWELL: Now you know how it
3 feels. And I'm running out of time. I have other questions, but, Ms. Stancil,
4 I'll just say thank you for what you do. My part as a former head of a state
5 regulatory agency, I appreciate the challenges you have at your level and
6 you're preaching to the choir when you say that everything comes down to
7 communication, communication, communication. It solves 90 percent of the
8 issues out there, so I appreciate all that you do and look forward to chatting
9 more later.

10 MS. STANCIL: Thank you. I appreciate it.

11 CHAIR HANSON: Thank you, Commissioner Crowell. I
12 actually thought the discussion that you were having with Mr. Place was
13 really interesting, so, if I could, I'm just going to follow up with you if I could.
14 As many of you know, the ADVANCE Act requires the NRC to establish a
15 traineeship program, and I think we're in the process of kind of
16 understanding what that might look like. Obviously, we've got a university
17 nuclear leadership program, we've got a minority-serving institution grant
18 program that also engages with universities, et cetera. But a traineeship
19 program kind of indicates something different.

20 So, Mr. Place, I was really interested in this, you know,
21 nuclear uniform curriculum that's maybe focused at either two-year colleges
22 or technical colleges or other kinds of schools around two-year degrees
23 because that, to my mind, that's kind of what a traineeship program would
24 indicate. And I think it's really important that we also don't duplicate efforts
25 with other things that are going on in the industry or that we don't, you know,

1 self perform potentially in areas where it's not our wheelhouse.

2 So kind of given that scene-setter, do you have some initial
3 thoughts or advice for us as we start to get our arms around what that
4 program might be and implement Congress's direction here?

5 MR. PLACE: Maybe a couple and then certainly happy to
6 have conversations out of here and share best practices and some of the
7 lessons learned that we've had over the years with this program. You
8 know, one is really aligning with the university or the technical school around
9 what it is that's going to be taught and also recognize that we're finding
10 challenges right now with a willingness, I'll say, to step back in because
11 maybe it was because it takes a lot of time and effort to build a curriculum.
12 What we found and you may have to find, as well, is that many of our utilities
13 actually provided facilitators to actually help teach some of the program
14 because the universities weren't really staffed to be able to take on all the
15 course work that was going to be needed for, say, radiation protection
16 technician or a non-licensed operator program. And so the utilities -- for a
17 variety of different reasons. One, it maintains some of the control; but, also,
18 there's been a downstream effect because they get to know some of the
19 utility people and then there's more apt, you know, to join the utility.

20 So I'd say that partnership is really key and understanding
21 the expectations on both sides because we have seen in the past where
22 there were expectations that were never going to be able to be fulfilled
23 through those programs, and that really came through a lack of clarity in
24 establishing what the expectations were for students to come through, what
25 was going to happen with those students on the back side of it. The

1 universities, they want these things to live on in perpetuity or for some period
2 of time. They don't want to take the effort, stand it up, and then have it
3 crumble.

4 CHAIR HANSON: Thank you. That's really helpful. And
5 I hope we can engage further on that as we start to get our arms around it
6 and set up the program in a way I think it's intended to benefit the industry
7 writ large but also the agency as we continue to engage the workforce of the
8 future.

9 You know, one of the things I noticed, and I don't
10 remember if it was in your slides or if it was in some of the background
11 material we got, but the efforts at INPO around diversity and inclusion in the
12 workforce and also I understand you're on the executive advisory committee
13 for U.S. Women in Nuclear.

14 MR. PLACE: Yes.

15 CHAIR HANSON: So I just wondered if you could share
16 some thoughts with us, as I think we also seek to build a diverse and
17 inclusive workforce going forward and incorporate as many different
18 perspectives, kind of your experience in this area and any things that you
19 think have worked particularly well for you all.

20 MR. PLACE: Well, it certainly stops at the top. The
21 leaders need to be involved and engaged and committed to it. We are
22 seeing across the nuclear industry, in particular at INPO specifically, a real
23 benefit in a mentoring program, a coaching and mentoring program.
24 Through the U.S. Women in Nuclear in particular, you know, we started a
25 NEXT program. It's called NEXT, supposed to be NEXT-UP. So, actually,

1 there is a second one, NEXT-UP. It was really about those women who
2 were far enough along in their career that their next step would be an
3 executive, and CNOs got involved so it was at the very highest level. When
4 we started a program, they all supported it financially.

5 The other thing that we found very beneficial is that they
6 go through this in a cohort. So there's some support, mutual support, and
7 you can get a group of, in this case, women through. And then we've seen
8 many of them, I know three of our executives at INPO have all been through
9 that program, so it's been successful in getting them promoted. Now we're
10 starting at the lower level because we need to build a pipeline, so it's called
11 the GROW Program. And, again, it's a wide variety of diverse people that
12 are being the coaches and mentors. That's just one way, but that's been
13 very powerful in helping to advance women's careers through the nuclear
14 industry.

15 CHAIR HANSON: Great. Thanks very much. Really
16 appreciate it. Mr. Patterson, I've been really interested in the start-up period
17 that you all have had at Metropolis, and you were, I think, speaking with
18 Commissioner Crowell about the workforce challenges that you've had there.
19 And I noticed on some of the background material I had about maybe the
20 dearth of operational experience that some folks had kind of walking in the
21 door, and it seems like it's a real knowledge management challenge and
22 almost like a nuclear safety culture challenge. And I know you guys may
23 have experienced some bumps on the road.

24 So I'm really interested in kind of if you could just walk us
25 through briefly some of the concrete steps that you guys got from that

1 starting point to kind of where you are today, which is, you know, kind of, I
2 don't want to call it free and clear but operating, you know, at that high level
3 that you are seeking to achieve.

4 MR. PATTERSON: Yes. You have to realize when we
5 made the announcement to restart there was only 26 employees at the site.
6 So not only did you have to staff the existing, like the training departments
7 and reliability and areas like that, you had to get these employees in first to
8 be able to get them trained, to get them confident and qualified, so they
9 could actually start doing the inspections and assessments of the facility.

10 In addition, one thing that we did learn, just like your
11 subject matter experts that you had on-site, they would be assisting with the
12 training, but they should also be in the field helping with, you know, doing a
13 lot of tag tries and the things to do the inspection. So there was a lot of
14 lessons learned as far as, I want to say, the major milestones, if you will.

15 One of the other things that we found out was that, you
16 know, when we shut the facility down, we did not know whether we would
17 restart or not. So upon restart, the first thing we had to do was do a lot of
18 vessel washes and things like that. So you had to start at the back-end of
19 the facility to be able to process washes and things like that. So having the
20 operators and people qualified in, actually, the backside of the process was
21 the most important and then work your way forward is how we proceeded.

22 CHAIR HANSON: Thank you. So did you find that you
23 kind of had the staff to accommodate folks that kind of peer training, that
24 peer learning that you were having to do? You know, people have their day
25 jobs, like you said. They're actually trying to operate the plant, but they're

1 also having to kind of, you know, the more senior, the folks with the
2 knowledge base are having to bring others on.

3 MR. PATTERSON: Right. And that's where we did
4 engage with some retired employees. We brought them back for short
5 periods of time as contract workers to where, I mean, we were bringing
6 knowledge back into the site to be able to train the new workforce.

7 CHAIR HANSON: Great. Thank you. Mr. Williams, I
8 just want to finish up with you. Thank you for your remarks and particularly
9 some of the lessons learned here about, you know, the Tier 1/Tier 2*,
10 particularly in operations. I'm sensitive to the fact that I think there were
11 some unanticipated impacts of the 52 framework when you got into
12 operations and particularly the idea that Vogtle would somehow be treated
13 differently in operations than other operating plants I'm particularly sensitive
14 to, as well.

15 One of the things about, you know, getting both units into
16 operation I think was most impressive for Southern Company was the
17 handling of the initial neutron source. I think I've spoken about this before.
18 Your RP manager, I believe it's Mike Dixon --

19 MR. WILLIAMS: Jim Dixon.

20 CHAIR HANSON: Jim Dixon. Oh, man, so close. And
21 getting an education about that myself. I hope this is a little bit of a softball,
22 but I hope that the entire industry, but also the NRC, can benefit from kind of
23 your lessons learned there because I understand you all handled that
24 source, got it into the core with record-low dose, if I have that correct.

25 MR. WILLIAMS: That's correct. So, you know, the

1 primary source for a new nuclear plant is very high dose, very unique in
2 terms of you do it one time, in our case we did it twice, and it was something
3 that, you know, there's just not a lot -- to go to Mr. Place's comments about
4 proficiency, it was an area where we had none. And so we developed
5 mockups for all aspects of that maneuver and went through it over and over
6 and over again until our operators knew exactly what the next step was
7 using dummy sources and things, such that, on the day of execution, it was
8 like something we had done a thousand times and we executed it. And
9 you're right. We had very low dose, much lower than expected, and it was
10 executed flawlessly. And that goes to how we are trying to build proficiency
11 with workers, especially on first-time tasks.

12 CHAIR HANSON: Yes. Thank you. Well, what's
13 interesting to me, in part, is we're going to -- we've got Palisades, potentially
14 what's going to be the Crane Clean Energy Center, maybe Duane Arnold.
15 So there's a possibility we're going to be doing exactly what you all did, you
16 know, two or three more times in the next three or four years, and so I think
17 there's a real opportunity there. Thank you very much.

18 MR. WILLIAMS: Sure.

19 CHAIR HANSON: All right. With that, I'll hand it over to
20 Commissioner Wright.

21 COMMISSIONER WRIGHT: Thank you, Chair. Good
22 afternoon, everyone. You know, before I start, I just want to say hello,
23 Region II; how are you all? It's good to see you, and I'm going to say also
24 hello to your fearless leader, Laura Dudes. Thank you for everything you
25 did to help put this together and pull this thing off. We're very grateful as

1 the Commission.

2 And I was able to walk around and see many of you in your
3 offices this morning before the meeting. It was good to see you. I enjoy
4 doing that and learning about what's happening to you in your personal lives,
5 as well. And, again, like I said to you, anything that we can help you with at
6 Team Wright, please reach out and let us know.

7 And a special shout-out, as well, to Robert Williams, who is
8 sitting back over here. Robert was able to come and work in my office on
9 rotation as a reactor TA, and he did a great job, forever a part of Team
10 Wright now. And I want him to be sure to say hello to his family and to
11 thank his wife, as well, for allowing you to come and work for me and support
12 me and my team up in D.C. for the few months you were there. You're
13 missed, just to let you know. People would want me to tell you hello, so I'm
14 doing it right now. Suzanne here, who can back it up.

15 So thank each of you for your presentations today. I'm
16 just from up the road in South Carolina, so Region II is my home, as well.
17 And I'm very happy to be able to just get out of D.C. and get back down
18 here. It's beautiful weather. I'm looking forward, I guess, tomorrow night
19 for Halloween for everyone, too. You all have a good time.

20 It's an exciting time to be in nuclear. It's amazing what's
21 happened just the last couple of years. And I'm going to kind of go a little
22 bit out of order because I want to be sure I get to the most important things,
23 too. But I don't want to miss someone.

24 Shelly, Brad has already talked to you, Commissioner
25 Crowell, and I want to tell you myself I'm a big fan and believer in the states

1 on what they do. I mean, I served as an elected official both at the local and
2 state level. I didn't run an -- well, I guess I did run an agency as chairman
3 of the South Carolina Public Service Commission. So I got to work directly,
4 I got to see, feel, touch everything that you do. And since I've been up
5 here, I recognize the value that you provide and I wanted to thank you and
6 thank your people, as well. It sounds like things are going well in Georgia.

7 MS. STANCIL: They are going well in Georgia. And we
8 have a really great relationship with South Carolina and North Carolina. We
9 work well with those partners.

10 COMMISSIONER WRIGHT: My question for you is a
11 pretty simple one. Is there anything that we can do for you in Georgia that
12 we're not doing at this time?

13 MS. STANCIL: So I don't think there's anything that
14 you're not doing at this time. We have a great relationship. The thing that
15 always comes down, I want to echo the training issues and the staffing
16 issues. I think government workers in general are having a difficult time
17 finding qualified, well-educated employees who are there ready to go to work
18 for the government. I think that's also a nuclear issue.

19 I recently have become full-staffed, which is a great asset
20 at this point because we have been understaffed for a really long time at
21 DNR. We have made strides in getting people in the door. One of the
22 issues that we have is finding people who have the experience necessary.
23 So my team is unique in the fact that we have to have emergency
24 management skills, as well as nuclear radiation skills. So finding someone
25 that has both of those skill sets is very, very difficult.

1 One of the things I've kind of made my personal mission is
2 to start in 2025 going out to younger students, high school students, and
3 talking to them and getting them excited about the nuclear world and the
4 radiation world and the emergency management world well before they
5 make those college decisions because I think college programs aren't going
6 to be sustainable if we don't have interest before they get to college. So I
7 think that's one aspect that, as a whole, we need to look at doing.

8 COMMISSIONER WRIGHT: Right. Thank you so much
9 for touching on that because Mr. Place and I had a conversation about this
10 just yesterday, I guess it was, yesterday morning early before the INPO
11 meeting started off. And I know they're very focused on, and the
12 Commission and the Commissioners, as well, as we're traveling around to
13 universities, that we have high school kids coming in and doing programs
14 with us, as well. We're trying to get that message out. We're working, you
15 know, with the Health Physics Society and others trying to see what we can
16 do to expand that because it's not just here in the United States, it's
17 worldwide. So thank you.

18 And, Mr. Place, I just wanted to ask you real quickly as just
19 a tag onto this, in your comments earlier in your conversation with the Chair,
20 which I thought was fabulous, do you see the same issues domestically with
21 hiring and staffing, as well as international? Is it the same internationally,
22 as well as domestic?

23 MR. PLACE: So I can't speak for the entire globe. In the
24 Atlanta center, we're responsible for the Canadian plants, the ones in
25 Mexico, South Africa, Romania, United Arab Emirates, and a few plants in

1 China. I can say with assurance, North America, the challenges are very
2 similar. The Canadian plants are having the same challenges with craft.
3 Electricians, welders, carpenters. It's impacting the current fleet today in
4 being able to staff their refueling outages. It's also a challenge with
5 projects. So we see that same challenge.

6 COMMISSIONER WRIGHT: Thank you. Mr. Williams,
7 how are you? It's good to see you again.

8 MR. WILLIAMS: It's good to see you, Commissioner.

9 COMMISSIONER WRIGHT: I want to follow up on the
10 conversations that you were having with this whole tier structure. You
11 talked about the changes you think Southern needs to make in the tier
12 structure in Part 52 and then, you know, like Commissioner Caputo and the
13 Chair and Commissioner Crowell, I also have some thoughts about it, too.
14 And I've been thinking about asking staff to take another look at it and look
15 at the changes, that whole change process for Tier 1 and Tier 2 * to provide
16 some flexibility, right, as you referred to in the construction and operation for
17 future builds of the AP1000, especially when it's low safety significance.

18 Before I ask you my question, on the design cert part of it,
19 right, I know that we would love everybody to stay within this standard
20 design and I know that would be a goal of anybody who is trying to build it.
21 But if someone decided that they had to do something that was outside the
22 scope of that and had to make the change, that's on the company, it's not on
23 the NRC; is that correct?

24 MR. WILLIAMS: That's correct. If they wanted to make a
25 change to the standard design, they could absolutely do that, yes.

1 COMMISSIONER WRIGHT: Right. Okay. I wanted to
2 be sure I was clear on that part. So would the flexibility, would that flexibility
3 have been, and I guess you addressed it a little bit, would it have been
4 helpful to Southern during construction at Vogtle and do you think it would
5 help you or anyone else moving forward in the manner that you described it,
6 is there anything else that you want to add or you would want to talk about
7 there?

8 MR. WILLIAMS: Sure. I think the best way to answer
9 that question is with an example with some of the information that was
10 included in Tier 2* for instance. So Tier 2* included detailed design
11 drawings for walls, floors, modules, structures of the nuclear island. So I
12 think everybody knows that, in construction, everything doesn't go together
13 perfectly. There are tolerances and stack-up of those tolerances. So in
14 some cases, those components didn't look like as detailed a design drawing
15 that was in Tier 2*, even though they met all of their requirements for the
16 various codes and standards. So by any objective measure, that wall was
17 just as good as the wall that was shown in Tier 2*. However, because it
18 was in Tier 2*, I had to submit a license amendment to get that approved.
19 That's not efficient.

20 And so, in our opinion, you know, going forward, there
21 should be no Tier 2*. Tier 2* should all move to Tier 2, and Tier 1 should be
22 reduced in scope to those things that are of utmost importance to safety
23 related and safety significance. And when a plant reaches operations and
24 receives its 103(g) finding, all the Tier 1 information moves to Tier 2 so that
25 the licensee can use normal owner-controlled processes to make the

1 changes. And if we determine that it does increase the likelihood or
2 consequence of an event, then we have to seek NRC approval for that.
3 But, otherwise, we can make that change on our own, which is just like every
4 other facility in the country.

5 COMMISSIONER WRIGHT: Thank you for that. That
6 was very well said, and it helped clarify some things to me. How much time
7 do I have left? I'm at time? Well, we got that part in. Thank you so much.
8 Thank you, Chair.

9 CHAIR HANSON: Thank you, Commissioner Wright. All
10 right. Well, thank you all to our external panelists. We really appreciate
11 you all for being here. Very, very good conversation. We are going to take
12 a short break, and we will reconvene at 2:37 let's say, okay? Ten minutes.
13 Thanks, everybody.

14 (Whereupon, the above-entitled matter went off the record
15 at 2:28 p.m. and then went back on the record at 2:43 p.m.)

16 CHAIR HANSON: All right. Welcome back. This is
17 great. We are having so much fun talking and catching up and meeting new
18 friends and seeing old ones. This is really good. So we're going to get
19 back to it, and we've got the staff panel in front of us. I look forward to a
20 good discussion.

21 With that, Mirela, I'm going to hand it right over to you.

22 MS. GAVRILAS: Thank you very much. Let's continue
23 with the fun. It's a great day to meet in the beautiful city of Atlanta and hear
24 from our Region II colleagues. But before I pass the microphone to Mark
25 Miller to introduce the staff panel, I'd like to talk about my vision for more

1 tightly integrating regional program and corporate activities throughout the
2 agency.

3 I recently saw in an international paper a linear
4 presentation of the hierarchy between the law, the regulations, the licensing
5 basis, and oversight, and had a reaction that something was missing. In
6 preparing for this meeting, I realized what was missing from that picture was
7 the feedback that we have in the NRC, from inspection activities into
8 operational experience and back into not only regulations but into everything
9 we do as regulators. It is my hope that we, as an agency, will maintain and
10 strengthen this loop.

11 I think we're on the way to doing just that because of how
12 we structured our response to the ADVANCE Act, the initiation of strategic
13 direction initiatives that use talent from across disciplines and organizations,
14 and our renewed focus on broadening the professional development of staff
15 across organizational boundaries.

16 Before getting into the wonderful work being done in
17 Region II, I'd like to give a shout-out to a few specific other regional efforts
18 that are helping the entire NRC. Region I is lending a strong voice and a lot
19 of practical examples to our culture champions' community of practice.
20 Most recently, they shared their successful approach to non-monetary
21 awards that will soon be implemented throughout the agency.

22 Moreover, Dan Collins is one of the strategic leaders in our
23 oversight-related ADVANCE Act efforts. The exemplary partnering with
24 corporate offices for the Region III office move has provided a wealth of
25 lessons learned and best practices for all of us. Also, Jack Geisner is one

1 of the strategic direction-setters for the implementation of the ADVANCE Act.

2 And I would be remiss if I did not mention the exceptional agency-wide
3 collaboration on the Palisades restart activities.

4 Region IV is an invaluable partner in refining the agency's
5 incident response program and continuity of operation activities.
6 Furthermore, John Monninger is adding his wealth of experience by
7 co-leading efforts to enhance the effectiveness of the standard review plan
8 and associated training and developmental activities.

9 And now Mark, LaDonna, Tom, Bill, and John will talk
10 about not only how Region II is contributing to NRC's mission but also about
11 how their activities are benefitting the NRC family. Mark, all yours.

12 MR. MILLER: Thank you, Mirela. Welcome, Chair
13 Hanson and commissioners. Region II remains laser-focused in carrying
14 out our regulatory oversight role. We characterize our posture as mission
15 focused, value centered, and people driven. In applying this ethos, the
16 Region II team works together in times of normal operations in an event
17 response at all hours of the day and night.

18 In the operating reactors business line, all Region II
19 reactors are operating safely with 33 units currently in the licensing response
20 column of the action matrix and two in the regulatory response column. All
21 fuel cycle facilities are also operating safely. Notably, Vogtle Unit 4 entered
22 commercial operation this year, and our staff completed a thorough and
23 successful inspection process throughout the units program. Vogtle Units 3
24 and 4 are now operating under the reactor oversight process, a major team
25 accomplishment by Region II.

1 In addition to executing the inspection program, Region II
2 handles a large workload in the areas of enforcement and allegations. In
3 fiscal year '24, approximately 20 potentially escalated enforcement cases
4 were considered with six escalated actions and nine non-escalated actions
5 resulting from the deliberative process surrounding these cases. Five of
6 those cases are still in process.

7 Regarding allegations, Region II consistently receives and
8 dispositions a large volume of work. This might be expected, given the
9 number of sites, both reactor and fuel facility, in Region II and the scope and
10 the complexity of the areas we oversee.

11 Beyond our oversight role, I'd be remiss in not highlighting
12 that Region II has been heavily engaged in our space modification project.
13 This effort will result in a 50-percent reduction in square footage and will
14 allow the agency to realize a rent cost avoidance of almost a million dollars
15 per year once completed.

16 Our Division of Resource Management and Administration
17 has worked closely with the General Services Administration and several
18 NRC offices to make this change a reality. Preparatory work including
19 moving staff to interim offices and the accessing and removal of one floor's
20 worth of furniture began this summer. The overall project is scheduled to be
21 completed by the end of this fiscal year.

22 Throughout the effort, we've worked cooperatively with our
23 Labor Management Partnership Committee to align on an approach that
24 both minimizes cost and reflects staff preferences. In addition to the
25 business of the day and changes to our spaces, Region II recently

1 implemented a reorganization in which both recognized the reduction in new
2 reactor work at the completion of the Vogtle construction project and brought
3 us into broad alignment with structures in the other NRC regions. This
4 staff-led effort resulted in scalable and flexible organization that positions us
5 to continue to be successful operationally and to adapt to changes in our
6 oversight landscape in terms of construction across three business lines.

7 LaDonna Suggs, our director of Division of Fuels,
8 Radiological Safety and Security will provide you with details regarding this
9 change, how we benefitted from staff's thoughtful approach, and how the
10 resulting organization will allow us to flex in a dynamic industrial
11 environment.

12 While organizing structure is very important, our ability to
13 attract, develop, and retain highly-capable staff is crucial. Tom Stephen, the
14 acting chief of Projects Branch 6 in the Division of Operating Reactor Safety,
15 will provide you with insights into how we recruit and mentor new staff, the
16 investments we've made, and the results we've obtained.

17 The fruits of our approach to preparing staff for their even
18 though roles are many. Bill Truss, the acting senior resident inspector at
19 Vogtle 3 and 4, will provide perspectives on the resident inspector
20 experience in Region II and the challenges and rewards of working at a site
21 that now includes both new and more traditional technologies.

22 Finally, our activities at any site are incomplete if we don't
23 invite and engage in external stakeholder involvement. John Pelchat, our
24 senior government liaison officer in Region II, will provide insights into this
25 important aspect that bears directly on emergency preparedness and

1 stakeholder confidence.

2 And with that, I'll turn the presentation over to LaDonna
3 Suggs.

4 MS. SUGGS: Thank you, Mark. Good afternoon, Chair
5 Hanson and commissioners. Next slide, please.

6 Over the past two years, Region II has consistently
7 delivered high-quality performance across multiple business lines. Most
8 notably, the Region II staff successfully leveraged our technical and
9 operational expertise to independently verify that the two new AP1000 plants
10 at Vogtle were constructed and are operating safely, ensuring public health
11 and safety, environmental protection, and security, with each unit expected
12 to produce about 1100 megawatts of electricity, contributing more than 30
13 million megawatt hours annually. This achievement significantly supports
14 the United States' clean energy priorities by contributing to decarbonization
15 efforts and providing reliable carbon-free power.

16 In the fuel facilities business line, we completed
17 operational readiness reviews for key projects such as the HALEU
18 demonstration cascade at the American centrifuge plants and Honeywell's
19 restart of the nation's only uranium conversion facility idle for five years.

20 For the Kairos Hermes 1 research reactor in Oakridge,
21 Tennessee, we're working closely with the program office and licensees on
22 planning and conducting safety inspections in fiscal year 2025. Our team
23 has also taken a proactive approach to upcoming construction projects
24 hosting 15 public meetings, including a first-of-a-kind fuel facility construction
25 oversight workshop to engage stakeholders and modernize our oversight

1 program.

2 Across all Region II operational plants and facilities, we
3 achieved 100-percent completion of baseline inspections and licensee
4 performance reviews. Over the past two years, we conducted nine
5 supplemental inspections and multiple reactive inspections, four at fuel
6 facilities and five at operating reactors, along with escalated enforcement
7 actions covering a range of topics from operational incidents and equipment
8 failures to physical security and hazardous material handling concerns.

9 As part of our knowledge management efforts related to
10 inspection findings, Region II captures value-added insights and
11 demonstrates examples of risk-informed decision-making. For instance,
12 during a recent refueling outage, resident inspectors reviewed the final fuel
13 verification video after the licensee had completed their review and found no
14 issues. The inspectors, however, identified a small piece of wire on top of
15 one of the fuel assemblies and brought it to the licensee's attention. Upon
16 re-review, the licensee discovered additional pieces of wire and was able to
17 recover them before startup, preventing potential damage to the fuel. This
18 example provided significant value, showcasing strong inspection practices
19 and positive outcomes for both the licensee and the inspectors.

20 In fuel facilities, we revised our event response guidance
21 to create opportunities for applying the Be RiskSMART framework in
22 decision making. Recently, we used this framework to support the decision
23 to conduct a follow-up event inspection during the next routine inspection
24 opportunity, rather than dispatch a reactive inspection team after a facility
25 conservatively reported an event. The licensee finished evaluating the

1 consequences of the inadvertent open value during an accident while the
2 inspectors were on site and retracted the event notice after determining it
3 was not reportable. This decision saved both the NRC and the licensee
4 resources, illustrating how risk-informed approaches can lead to more
5 efficient and effective oversight.

6 Additionally, we launched a competency-based inspector
7 qualification program, accelerating staff qualifications and improving
8 cross-training. This prepares us to meet you for challenges with a flexible,
9 well-qualified workforce. Tom Stephen and Bill Truss will provide further
10 details on these initiatives shortly.

11 Earlier this month, Region II completed a reorganization,
12 which was a highly-collaborative staff-led initiative that aligned our structure
13 with the other NRC regions. The restructuring was timed to coincide with
14 the completion of the Vogtle Units 3 and 4 construction oversight program,
15 ensuring we retain centers of technical expertise in construction and fuel
16 facility oversight. The reorganization leveraged lessons learned from other
17 regions and incorporated the Be RiskSMART framework to align expertise
18 and job functions efficiently.

19 Our integration of construction expertise within the Division
20 of Operating Reactor Safety and our partnerships with the headquarters'
21 program offices enable us to adapt to fluctuations in workload. As
22 construction oversight on the Vogtle project has concluded, our focus has
23 shifted to new and unique construction projects, which entail vastly different
24 regulatory risks and aspects. This transition has been nearly seamless, as
25 we have leveraged flexibilities in our oversight programs, staffing plan, and

1 budget to ensure that resources are available and scalable to meet the
2 uncertainties of evolving nuclear projects.

3 Next slide, please. Looking ahead, Region II is leveraging
4 nearly 20 years of construction and oversight experience to inform future
5 inspection programs across all business lines. Our work on projects like
6 Watts Bar Unit 2, the AP1000 unit, URENCO, mixed oxide fuel fabrication
7 facility, and SHINE ensures we remain at the forefront of regulatory
8 development and keep pace with emerging technologies and projects.

9 Future inspection programs will be tailored to align with the
10 regulatory requirements, complexities, and risks of each project. We're
11 adapting methodologies used in Vogtle operational readiness assessments
12 for fuel facility projects, scaling our approach to align with the lower risk of
13 these facilities while maintaining consistency across business lines, ensuring
14 that our approach remains cohesive and efficient.

15 We're also expanding cross-qualification efforts to
16 strengthen our workforce. For instance, we've staffed senior resident
17 inspector positions at fuel facilities with experienced reactor inspectors while
18 placing fuel facility inspectors in key roles across the region. This
19 cross-training builds versatility and strengthens oversight across programs.

20 To further enhance knowledge sharing, we've partnered
21 with the Office of Nuclear Material Safety and Safeguards, or NMSS, to bring
22 subject matter experts into fuel facility and independent spent fuel storage
23 installation, or ISFSI, inspections. This collaboration ensures effective
24 inspections and promotes knowledge exchange across regions and
25 programs.

1 It has also strengthened our oversight capabilities across
2 both business lines, particularly in critical areas like materials control and
3 accounting, transportation, radiation protection, and ISFSI inspections.
4 There are more cross-business line knowledge-sharing opportunities being
5 considered across the region, leveraging the different communities of
6 practice and expertise.

7 In summary, Region II is working collaboratively across
8 business lines to capture best practices and apply lessons learned. We are
9 positioning ourselves to anticipate industry challenges align with emerging
10 technologies and ensure our oversight remains flexible, scalable, and future
11 ready. These efforts reflect an approach that spans the entire nuclear fuel
12 life cycle, ensuring public safety and regulatory efficiency.

13 I'll now turn the presentation over to Tom Stephen.

14 MR. STEPHEN: Thanks, LaDonna. Good afternoon,
15 Chair Hanson and commissioners. Next slide, please.

16 Over the last 18 months, Region II has hired 42 new staff.
17 To put that in perspective, that's, roughly, 20 percent of the region's staffing.
18 That doesn't include transfers, rehired annuitants, and reassignments. Over
19 those 42, 22 were hired as resident and engineering inspection staff, 13
20 were mission support staff, and 6 were summer interns. We would not have
21 been as successful if it weren't for the remarkable support from our
22 designated human resource specialists, Cindy Jackson and Denise Baker.

23 We've also built strong relationships with our regional and
24 headquarters counterparts, as well as with the Technical Training Center,
25 where we continue to identify, share, and hire highly-qualified individuals

1 looking for opportunities within our offices. Moreover, the region has put
2 great efforts in looking for alternative avenues for candidates. Examples
3 include the work by Brad Bishop where he established and maintains
4 contacts Kings Bay Submarine Base, Pete Meier and Kevin Pfeil's efforts
5 with the Merchant Marine Academy, and our outreach and recruiting efforts
6 with six other organizations, including minority-serving institutions. In
7 addition, Region II has benefitted from reach-back efforts by new staff who
8 find a rewarding and healthy environment in Region II and encourage former
9 co-workers to consider the NRC. Through these grassroots efforts alone,
10 we have gained six new inspectors. Region II continues to build and
11 maintain a culture that values high-quality staff with diverse backgrounds
12 needed to fill mission-critical roles for today and tomorrow.

13 Next slide, please. As far back as 2020, Region II senior
14 management recognized significant challenges with staffing. With that in
15 mind, in addition to an aggressive hiring effort, the region began to put in
16 place pieces that would ultimately be formed as the Enhanced Inspector
17 Training Program, and that was done in August of 2022. The Enhanced
18 Inspector Training Program's main objectives were to ensure new hires have
19 dedicated developmental support, to ensure that existing staff had time to
20 focus on site coverage and emerging issues, and to ensure those in new
21 roles have the necessary support to be successful and to quickly qualify
22 without diminishing level of quality amongst our inspection staff.

23 The facilitated program selected senior staff who might
24 have otherwise retired, along with rehired annuitants, and leveraged their
25 knowledge, skills, and abilities to effectively mentor new inspectors to create

1 an environment where our staff were able to learn and thrive. The core
2 team included Joe Austin, Andy Hutto, Jim Hickey, and Roger Reyes.
3 Together, these individuals have, roughly, 150 years of nuclear experience
4 and a remarkable dedication to our mission.

5 In addition to supporting our own staff, the team has
6 provided support to the other regions, the Technical Training Center, and
7 headquarters. They spent over 2600 hours working directly with staff and
8 qualification-related activities and over 230 days providing on-site support
9 and coverage.

10 In addition to establishing the framework for accelerating
11 staff qualification, Region II also took steps to enhance inspector
12 preparation. Working in partnership with the Technical Training Center, we
13 developed a new single owner-based training course that places trainees in
14 the roles of resident inspectors responding to an event. In these real world
15 scenarios, rising inspectors have opportunities to experience what we hope
16 they'll not have to encounter and, in doing so, prepare them better for their
17 ultimate roles.

18 Over the last 15 months, we have seen over 30 individuals
19 complete initial and cross-qualifications within a relatively short period. For
20 example, the first two qualification inspectors completed the program in 10
21 and 14 months, and that's compared to the previous expectation of 18 to 24
22 months for an inspector, all the while maintaining our high standards of
23 quality. These individuals were Bill Truss and Frank Young. Both
24 individuals were mid-career employees with previous nuclear experience,
25 Frank from a shipyard and Bill, a former engineer at a commercial site.

1 To highlight the success of Doug Tharp's work in
2 developing the Competency-Based Qualification Program and region
3 support implementation, I want to share the following in regard to Bill. He
4 joined the agency in June of 2022 and, within ten months, was fully qualified.

5 He was selected for the resident inspector position at Vogtle 1 and 2 and
6 now is the acting senior resident at Vogtle 3 and 4. I want to point out that
7 he started 26 months ago as a new hire. To go from a new hire to an acting
8 senior within such a short period is an incredible accomplishment. This
9 achievement made possible, in part, by Bill's considerable industry
10 experience, reflects a dedication to hard work in both him and our amazing
11 team.

12 And with that, I'll turn it over to Mr. Bill Truss.

13 MR. TRUSS: Thank you, Tom, for that introduction.
14 Good afternoon, chair and commissioners. Next slide.

15 I was in a fortunate situation coming into the agency two
16 years ago. The Competency-Based Qualification, or CBQ, process allowed
17 me to really focus on my training on learning the NRC perspectives and
18 regulations while working with a dedicated mentor. The most valuable
19 aspect in this training, in my opinion, is the hands-on experience at the sites.

20 Being able to talk with the residents, my mentor, and the licensee on an
21 issue that was actively being inspected provided valuable insight to the way
22 residents piece together details of an issue, interact with a licensee, and
23 consider issue resolution or documentation through various means in ROP,
24 or the reactor oversight process. I believe the CBQ process has allowed
25 me to have a smoother transition to resident inspector at Vogtle 1 and 2 and

1 now acting senior resident inspector at 3 and 4.

2 Next slide. I had the opportunity to apply what I've
3 learned from training at the newest and maybe the most unique plants in the
4 country. The agency was proactive in preparing for these plants to come
5 online, used a risk-informed approach to right-size the ROP baseline
6 samples, yet maintained the same level of safety focus, strategically
7 allocated staffing to transition from testing to operations, and leveraged the
8 combined organizational structure of the site to improve efficiency between
9 the licensee and the agency.

10 Due to fewer safety-related systems and the passive
11 nature of the AP1000 design, the agency developed a unique sample size
12 that suits Vogtle 3 and 4. A passive design plant utilizes gravity and
13 differential pressure to inject borated water into the reactor core, where a
14 traditional design plant utilizes active components, pumps, motors, coolers,
15 to inject the borated water. At traditional style plants, roughly, four to six
16 pumps are designed to auto start in the event of an emergency to rapidly
17 cool and keep the reactor core covered.

18 At Vogtle 3 and 4, this function is now encompassed by
19 the core makeup tanks and accumulators, which are attached to the reactor
20 coolant system as passive tanks that inject borated water directly to the core
21 by opening two valves. There are no pumps required. At Vogtle 1 and 2,
22 there are four steam generators, two condensate storage tanks, two
23 motor-driven pumps, and a turbine-driven pump per unit, all safety related,
24 specifically designed to mitigate a loss of feedwater transient where, at
25 Vogtle 3 and 4, the passive residual heat removal, heat exchanger, and

1 in-containment refueling water storage tank provide the necessary
2 safety-related protection. No pumps, no external tanks required.

3 Through my firsthand experience implementing the
4 program, I believe the adjustment of the sample size is appropriate as there
5 are simply less safety-related components to inspect. As part of the
6 preparation for transitioning to operations, I mentioned strategically
7 allocating staffing. Five inspectors were utilized during the testing phase on
8 Units 3 and 4, two of which observed the testing phase of the AP1000 in
9 China. The resident office was staffed with inspectors that had an
10 operations background and inspectors that had a testing background to
11 ensure a seamless transition from testing to operations.

12 Now that the transition to commercial operations is
13 complete for both units, the NRC maintains two resident inspectors focused
14 on the safe daily operations of the plant at 3 and 4. The resident office
15 actively monitors operators and plant staff to ensure that an operating mind
16 set is maintained and that the applicable regulations are followed.

17 The licensee has combined certain organizations between
18 all four units, for example security and emergency preparedness, or EP.
19 The organizational structure alleviates some of the regulatory impact on the
20 licensee staff for coordination of inspections, reports, and self assessments.
21 Region II is maximizing this opportunity for traveling security and EP
22 inspectors to perform one inspection across all four units to be fiscally
23 responsible with the travel budget and to allow inspectors more time for
24 other mission-critical tasks.

25 The NRC is utilizing unique ways to improve efficiency,

1 and we have recognized the same trait in our external stakeholders. And
2 John Pelchat, our government liaison officer, will expand on that further.
3 John.

4 MR. PELCHAT: Thank you, Bill. Good afternoon, Chair
5 Hanson, commissioners. The work of the regional government liaison
6 officer reflects the NRC's principles of good regulation with a strong
7 emphasis on openness and clarity. Along with my colleague, Mr. Keion
8 Henry, we serve as the region's direct point of contact for our regional
9 federal partners and for elected and appointed officials at the local, state,
10 and tribal levels. Our job is to keep these officials informed of the issues
11 relevant to them and to their communities. We not only explain what the
12 NRC is doing in terms that they can share with their constituencies, but we
13 also ensure that they understand why we are doing it.

14 Next slide, please. Establishing, maintaining, and
15 strengthening relationships with these officials is fundamental to our
16 success. Stakeholders must be able to trust us to provide complete and
17 understandable information. This trust is especially crucial when discussing
18 technical issues or handling disagreements.

19 Recently, we facilitated a virtual meeting with Miami-Dade
20 County officials and our local, state, and federal partners to address
21 pre-flooding concerns stemming from a GAO report on the impact of climate
22 change at nuclear power plants. We explained our regulatory processes
23 and provide real-world examples of how the partners work together to
24 protect public health and safety during plant events, even amid local
25 flooding. Our strong relationships were self evident, and the openness that

1 we demonstrated helped address the officials' concerns and enhance the
2 NRC's standing amongst those stakeholders.

3 Another example is our recent participation in FEMA's
4 post-Hurricane Helene assessment of the communities surrounding the
5 Hatch Nuclear Power Plant. The team, which included FEMA, the Georgia
6 Emergency Management and Homeland Security Agency, the NRC, and the
7 licensee, assessed the ability of the state and the four counties in the
8 emergency planning zone to respond to a radiological event after the
9 hurricane. FEMA used the team's findings to conclude that the state and
10 county radiological emergency plans could still be implemented. This
11 success is partially due to annual joint NRC Region II and FEMA Region IV
12 outreach, which helps ensure that officials and licensees understand and
13 can anticipate the assessment process before a natural disaster. Ongoing
14 collaboration between NRC and FEMA at both the headquarters and
15 regional levels also plays a vital role in this process.

16 Next slide, please. But transparency alone is not enough.
17 Our stakeholders must be able to clearly understand the information we
18 provide. We communicate with a diverse range of audiences spanning both
19 technical and non-technical disciplines. Many stakeholders do not have a
20 background in the engineering, chemistry, and physics that underpin the
21 safe design and operation of NRC-licensed facilities. This can make our
22 regulatory decisions less self evident, which challenges us to be clear and
23 understandable in our communications.

24 For example, in response to requests from the state of
25 Alabama for a detailed review of plant systems and operations that was

1 tailored for emergency management professionals, Region II worked with the
2 Technical Training Center to adapt an eight-hour reactor system orientation
3 at the Bellefonte plant. Since nuclear fuel was never loaded at this site,
4 there are no radiation areas, allowing participants to have access to parts of
5 the plant that are not accessible in an operational facility. Participants were
6 able to visit all levels of the containment building, the control room, the
7 turbine deck, auxiliary building, fuel-handling areas, and the emergency
8 diesel generators.

9 The initial feedback from the participants was
10 overwhelmingly positive, and, by word of mouth, requests for the orientation
11 quickly increased. Since then, participants from every state and many of
12 the counties in Region II all with roles in radiological emergency planning
13 have attended, along with some others from other parts of the country. A
14 more comprehensive version of the training is also available to both NRC
15 staff and to state and local officials.

16 As interest in nuclear power grows, state and local officials
17 will continue to request briefings and testimony to inform their policy
18 decisions. In 2022, a member of the West Virginia House asked us to
19 arrange presentations on the licensing and inspection of research and test
20 reactors, as well as fusion for a joint House and Senate committee meeting.
21 The presentations were very well received, and we were invited back in 2023
22 to discuss the licensing process for small modular reactors, as well as other
23 new reactor technologies.

24 Government liaison officers in all four regions are uniquely
25 positioned to contribute to the work of NRR, NMSS, and NSIR by effectively

1 communicating with state and local officials and their constituencies about
2 our efforts to protect public health and safety and the environment. While
3 we use every communication tool we have, including video conferencing, the
4 value of face-to-face interchanges and conversations and relationship
5 building, like we are doing right now, cannot be overstated.

6 I thank you and I'll return the presentation back over to
7 Mirela.

8 MS. GAVRILAS: Thank you, everyone. And with that,
9 we're ready for your questions.

10 CHAIR HANSON: Thank you, Mirela. Thank you for all
11 your presentations. And we'll start again with Commissioner Caputo.

12 COMMISSIONER CAPUTO: Well, thank you all for
13 hosting us today. It's wonderful to be down here in Atlanta, and I really
14 appreciate the hospitality certainly for my meetings yesterday and again this
15 afternoon.

16 I'm going to start with LaDonna. It's always nice to see
17 you. There's a lot going on in the fuel cycle facilities, so thank you for your
18 leadership and for the dedication and hard work of your team.

19 You talked about adapting methodologies from nuclear
20 power plants and scaling them for fuel cycle facilities. Can you give me a
21 couple of examples of how you are appropriately risk-informing these
22 methodologies to align with the lower risk profile for fuel compared to a
23 reactor facility?

24 MS. SUGGS: Right. Thank you, commissioner, for the
25 question. And we certainly acknowledge that the construction of a large

1 light water reactor does not have the same risk profile for constructing a fuel
2 facility. So in going into our efforts, the inspection oversight footprints are
3 just very different between the two.

4 So one example, though, where we specifically considered
5 some of the lessons learned from the AP1000 regulatory oversight process
6 to inform our fuel cycle construction process would be, in the AP1000, there
7 was a focus on inspection planning that would look at very discrete and
8 specific items that were itemized out. We've learned that that may not be
9 the best approach. It doesn't allow for enough flexibility if you are very
10 specific in exactly what you're going to look for because during the
11 construction process things change, schedules change, and you are only
12 allowed to note that a sample is complete. If you look at a very specific,
13 discrete component or activity, then it may limit your ability to actually close
14 that out.

15 So for fuel facility construction projects, we would allow for
16 a lot more flexibility in those types of activities, giving maybe a range of
17 different items that you can look at that would fall under the umbrella and still
18 meet the intent behind that particular requirement. So we are converting
19 things like taking that type of a lesson, that type an approach, when we go
20 into fuel facilities. We want to make sure that we are considering the risk
21 but we're not being so inflexible that we become burdensome in trying to
22 complete our inspection activities, as construction schedules and activities
23 can change.

24 COMMISSIONER CAPUTO: So with several facilities and
25 projects going on, there are going to be opportunities to learn lessons as you

1 go. How are you going to monitor and assess the effectiveness of your
2 approach?

3 MS. SUGGS: So I think that, obviously, we're still
4 developing a lot of our processes and programs, so I'll speak to you a little
5 more generally than to say that we have a specific program that's already
6 established to do that. But one of the really nice aspects of our
7 reorganization is that we're still retaining all of the expertise that we had in
8 place, so our folks that were heavily involved in the construction activities of
9 all of the past construction projects are still available to answer questions, to
10 share those lessons learned; and our divisions are now, for DFRSS, Division
11 of Fuel Radiological Safety and Security, it's very closely tied to reactors.
12 We share information across business lines very easily. So I think, from the
13 perspective of sharing information, we'll be able to tap into those resources
14 to make sure that we don't lose track of some of the lessons that are learned
15 and also put in place maybe some tracking mechanisms that were
16 successful for some of those other projects to make sure that we implement
17 them for some of our future projects.

18 COMMISSIONER CAPUTO: Okay. Thank you. Mr.
19 Stephen, so I asked a question of the earlier panel. I asked the question
20 about their processes for advancing proficiency. This is clearly an activity
21 where Region II has seemed to be very effective in developing the Enhanced
22 Inspector Training Program. So these efforts could be a useful model as
23 the agency looks to reconstitute strategic workforce planning and knowledge
24 management.

25 Do you have any suggestions and, you know, maybe Mark

1 would like to contribute, as well, do you have any suggestions for other
2 areas within the agency where this kind of a structured approach could really
3 yield some gains for us in terms of the time it takes to achieve proficiency in
4 various activities?

5 MR. STEPHEN: Thank you, Commissioner. I do
6 appreciate that. In other areas, not just inspecting at the plants, we have a
7 Friday training that myself and Steve Smith run, and what we've seen is
8 other areas of the agency have started to come in and participate in that
9 activity, specifically the Office of Investigations and headquarters' operations
10 officers, because not only have they, like, attended the training, but they're
11 also providing training to us. So those are probably two areas that we can
12 kind of look at to maybe leverage those reconstitution of proficiency because
13 I know we're getting a lot of new folks into the Office of Investigations, and
14 we've also had a significant hiring process executed with the headquarters'
15 operations officers. I probably discuss training maybe once a month, once
16 a quarter with the branch chief in charge of the headquarters operations
17 officers. We're tied in very closely, trying to help her with her training
18 process and making sure her folks are ready to go on that day. And then
19 also our staff here, inspection staff, we make sure that we know how to
20 interact with them appropriately. Those are probably the two most
21 important ones.

22 Mark, did you have any others you wanted to --

23 COMMISSIONER CAPUTO: Thinking more broadly. I
24 mean, those are clearly very specific skill sets, but is the approach usable in
25 a more broader context?

1 MR. MILLER: Thanks. I believe it is. And I think there's
2 an overall framework that you can take away from a lot of what's happened
3 here, and part of that is that very senior people, maybe mid to very late
4 career, are actually very interested in sharing their knowledge with people,
5 and that can be applied in any office for any role.

6 And the other thing, going back to Tom's example about
7 Friday morning training, is a lot of these efforts will grow organically. This
8 wasn't something that we laid out a tremendous plan for. This was
9 something that started out of an interest on the part of branch chiefs to put
10 effort into bringing people along, bringing them along well, bringing them
11 along quickly. And so I think that would apply to any office, to almost any
12 role. I mean, there may be a few rare roles where we just have only one or
13 two experts, but I think that's how you leverage a lot of what we're doing and
14 you have to recognize going into that that there's an investment that needs
15 to be made in terms of devoting people's time, you know, hard and fast to
16 mentoring.

17 COMMISSIONER CAPUTO: Well, given the challenges
18 that we're going to face with potentially growing licensing workload, a lot will
19 be expected of the NRC team writ large. And so finding ways that we can
20 simply improve our efficiency and bring people up to speed for the tasks that
21 we're going to need to execute in a range of areas, I think, is really
22 important, but I also look forward to how it offers employees a chance to
23 advance their careers and develop skills and find rewarding positions, you
24 know, and job satisfaction within the agency. So I like this approach, and I
25 would hope to see us expand this elsewhere.

1 Mark, I'll stick with you for one last question. So it's been
2 several months since passage of the ADVANCE Act, and, obviously, there's
3 a team that's established to work on implementation in particular. But can
4 you just tell me how, just within Region II, how has passage of the
5 ADVANCE Act, how is it shaping the thinking of the leadership team and
6 maybe beginning to guide some of the actions that the leadership team is
7 taking just in, you know, fundamental day-to-day activities?

8 MR. MILLER: Thanks for that. So some of it is very
9 natural. You know, the word efficiency gets used and used and used. And
10 some of it goes to some very practical questions, you know, how many of us
11 are on this meeting, do we need to be here? If you think about our recent
12 reorganization, we used to have a daily 9:15. I think you've attended a few
13 of those. Well, eventually, the team looked at it and said, all right, what's
14 the value looking like over the course of a week, do we need one every day?
15 Well, these meetings have over a hundred attendees every morning, and
16 sometimes they're very quick. Fifteen minutes, you get a picture of what
17 things are going on in the region. Sometimes, they go long. But one of
18 those meetings per week has been dropped without a loss of knowledge
19 transfer, but there was a recognition that the time could be used better in
20 other ways.

21 And so, you know, those are small examples. Nothing
22 huge and structural. But we're looking for those opportunities where we can
23 give time back to people to apply it more directly to what they do.

24 COMMISSIONER CAPUTO: Okay. Thank you.

25 CHAIR HANSON: Thank you. Commissioner Crowell.

1 COMMISSIONER CROWELL: Thank you, Mr. Chair.
2 Thank you to all the panelists for great presentations. I'm going to start with
3 Mirela but then, as I ask other questions, if you're not the right person, just
4 hand it off to the appropriate person. And if the question is pointed or hot,
5 just hand it back to the middle of the dais over there or the end as it may be,
6 whichever is more appropriate.

7 So, Mirela, thank you for being here today and thank you
8 for your tenure thus far as Executive Director of Operations at the NRC. I
9 think you're off to a great start and am excited about what's ahead. I really
10 appreciate your messaging and your remarks to open today's panel about,
11 you know, your vision for integrating regional programs and corporate
12 activities throughout the agency and the feedback loop that goes with that.
13 Consistency is huge. Consistency is, you know, it's what our licensees and
14 applicants expect and deserve. It's what Congress expects. It's what
15 makes the Commission's job go more smoothly, and it is not something that
16 is found in all federal agencies that have multiple regional offices. I won't
17 point anybody out specifically, but, in my time as a federal regulator and a
18 state regulator, the ability to venue shop different regions of the same entity
19 for the answer you prefer, it does happen and we need to make sure we're
20 avoiding that, and communication there goes a long way.

21 So with that being said, one thing I've been looking into but
22 I need more intel still is consistency across regions in how we do things.
23 Can you maybe give a sense of how you're proposing to improve that
24 consistency or how it's being done already or if Mark can add to that answer,
25 too. But go ahead, Mirela.

1 MS. GAVRILAS: I'm going to first give a shout-out to the
2 people who preceded me, who put in place a lot of formal vehicles for
3 achieving consistency across the regions. There are information exchange
4 venues that sometimes are anchored in headquarters but very often happen
5 directly between the regions. So our RP branch is doing a lot of the
6 coordination, but there are also one-on-one conversations that happen when
7 a new issue comes out. There's practically instant conversation going on
8 throughout the agency.

9 What I hope to do is figure out a way to accelerate the time
10 it takes to basically learn that something new is going on, so we rely more on
11 formal mechanism as opposed to the ad hoc mechanisms that are often
12 used.

13 Mark, any specifics that you would like to add?

14 MR. MILLER: I'll add only that -- well, I say only -- at all of
15 the different levels between the regions, you see counterpart calls,
16 counterpart meetings occurring on a weekly or biweekly basis. On a
17 biweekly basis, I meet with all the deputy regional administrators. We talk
18 about what's afoot.

19 At the division level, every two weeks, I believe it is, there
20 is a division director counterpart meeting that occurs and includes all the
21 regions, plus program office. And that's an opportunity to bring up practices
22 that are a little closer to the action. And then weekly and biweekly, we'll
23 have an office director RA call that also allows talk across the organization.

24 And that, at least in my experience, contributes a lot to
25 collaborative solutions. At the same time, collaborative solutions take time.

1 So it's a really good opportunity at all levels to talk the issues through.

2 And then, finally, I'll add that, at the branch level, these
3 things occur, too, on a programmatic level with our technical support and
4 assessment branch chiefs meeting, which helps take care of some
5 developmental and training issues, some budget issues, some things like
6 that.

7 COMMISSIONER CROWELL: Thanks, Mark. I
8 appreciate it. I'm going to kind of go to the other aspect and come to you,
9 John. First, John, tell me how to pronounce your last name correctly.

10 MR. PELCHAT: Pelchat.

11 COMMISSIONER CROWELL: Pelchat.

12 MR. PELCHAT: It's a French name, sir.

13 COMMISSIONER CROWELL: Got it. My high school
14 French is going to defeat me right now, so I'm not even going to try. But tell
15 me a little bit more about what life is like at your end of, from your vantage
16 point and specifically how do you share information, whether it's directly
17 relevant or best practices, with your regional counterparts? How do you
18 take the information you're receiving from local and state and tribal officials
19 and feeding that back into leadership at the region and making sure it gets to
20 headquarters as appropriate? How does all the things that you're hearing
21 and seeing get worked back in to mix appropriately for either action or
22 awareness?

23 MR. PELCHAT: First of all, thank you for the question.
24 It's kind of hard to describe because there is not a one-size-fits-all approach
25 to it. And communicating to our states, each of our states have different

1 needs in terms of how much information they want shared with them. I
2 mean, there's this basic standard level of information that all of the states will
3 receive; but, sometimes, some states want additional information or they'll
4 want more frequent communications with us and we have to adapt to that
5 and we have to recognize that.

6 As far as with discussing things with my regional
7 counterparts, in a process very similar to what Mark was describing, we have
8 a weekly counterpart call Monday afternoons where we talk about what are
9 we doing, what are we encountering, what are our issues. And that's an
10 opportunity for not just Keion and I but for all of us who are regional
11 government liaison officers to hear what's challenging us and possibly hear
12 some ideas about, hey, this is how we can address it.

13 And there have been times, too, when we come up with a
14 need to share information with the states, we work collaboratively amongst
15 all of the regions to try to track the best, clearest, most functional message
16 that we can so that we are successful in communicating things the first time.

17 So, you know, some people might call it plagiarism, but we rely on our
18 strengths and we share drafts of communications and, out of that, we'll distill
19 a communication that we are very confident in sharing with all of the states.

20 COMMISSIONER CROWELL: And then how about from
21 the other side of the equation of doing your job effectively. Do you feel like
22 you are in the loop and get the information you need to effectively
23 communicate with your constituencies, or are there any challenges in terms
24 of not having the information or the people with the technical expertise at
25 your disposal to help with those conversations?

1 MR. PELCHAT: No. Actually, I feel very comfortable
2 with the level of information I'm getting. First of all, I have a meeting with
3 the regional administrator's office every week on Monday morning and we
4 talk about what's going on, we talk about what we've accomplished, and
5 what's laying ahead. So that's a first-level opportunity to have a
6 conversation.

7 We also participate in daily staff briefings that are going
8 on, the 9:15 call. It just got re-labeled, and, I'm sorry, I don't remember its
9 name yet, but we always called it the 9:15. And we would be able to go to
10 that meeting and we would hear from each of the divisions and we would
11 hear from each of the plants, really from the branch chiefs for each of the
12 branches, we would hear about what's going on at the plant, where they are
13 in a refueling outage, how are they doing, what problems are they
14 encountering, those kinds of things.

15 And then, sometimes, we have to have information on an
16 emergent basis, you know. Something is going on at a plant, we might
17 have to communicate that with the states. And, first of all, I'm included in
18 the blast dial that are made by the headquarters' operations officer. That
19 includes all the decision-makers from the various offices --

20 COMMISSIONER CROWELL: I'm going to try to sum up
21 what you're saying. In those instances, you're getting the information you
22 need and you're also in the loop so that you're not getting out of ahead,
23 you're doing it at the right time.

24 MR. PELCHAT: Yes, sir. Yes, sir.

25 COMMISSIONER CROWELL: I don't mean to cut you off,

1 but I'm interested in your perspectives because back at headquarters at the
2 17th - 18th floor, you're about as far from the ground as it can be and you
3 get to hear what's going on in the real world, which I appreciate.

4 Can I ask you a little bit more about the meeting you had
5 with the Miami-Dade officials on those flooding impacts? You said that you
6 had a very constructive conversation and it helped address the official's
7 concerns. Did it resolve their concerns?

8 MR. PELCHAT: I think so. We had a meeting. They
9 came back and asked for a follow-up meeting with additional requests for
10 information, and, at the end of that meeting, they said that they were
11 satisfied. The meeting was organized by the county's emergency
12 management agency, and the feedback I got from them was, yes, you
13 answered all the questions. You answered the email.

14 COMMISSIONER CROWELL: Okay. Thank you. We'll
15 hopefully have an opportunity to have more discussion because I'm
16 interested in all the things and the interaction you have. Am I out of time?
17 Okay. I'll ask one last question.

18 Bill, how long did it take you to get hired at the NRC?

19 MR. TRUSS: To get hired, I believe I interviewed in
20 December and first day started was in June.

21 COMMISSIONER CROWELL: Okay. I just wanted to
22 know if it was longer or shorter than the ten months up the ladder that you
23 had or your ten months of being fully trained and then shooting up the
24 ladder. All right. Thank you. Thank you Chair.

25 CHAIR HANSON: Thank you, Commissioner Crowell.

1 And thank you all again for being here and for this really, really engaging
2 discussion. I just want to take a few minutes of my time as we start. I want
3 to thank Laura and Mark and the entire Region II staff as we wrap up what I
4 hope is another, what I hope we're wrapping up hurricane season. And I'm
5 going to knock on the wood. It is real wood, at least that's what SECY tells
6 me. And, you know, these kinds of efforts, every once in a while I know
7 Region IV will get some activity, but it's primarily you all and maybe not so
8 much wind in the last years but certainly a heck of a lot of water, and we saw
9 that certainly with Helene and Milton. And whether that was having, you
10 know, some of these meetings with Miami-Dade County or providing expert
11 capacity so folks could take care of their families down at Turkey Point and
12 St. Lucie, you know, licensees, emergency prep, monitoring and reporting on
13 the storm's progress in the incident response center or being in Tallahassee
14 for the Florida State Emergency Operations Center, just a sincere -- oh, I
15 would be remiss if I didn't mention NFS because, good Lord knows, they got
16 a lot of water down in the valley and that impacted. But being there and
17 being able to walk down that facility and monitor progress there, just a
18 sincere thanks to everybody from me. I know it's what you guys do, and it's
19 year-in and year-out, but it doesn't go unnoticed or unappreciated. So
20 thanks.

21 Ms. Suggs, let me start with you, if I may. I appreciated in
22 your presentation the liberal sprinkling of Be RiskSMART, and you
23 mentioned its use in the reorg, and I just wondered if you could say a little bit
24 more about that and how the thinking by the staff, and you mentioned the
25 collaborative and kind of staff-driven approach on that. How have you all

1 integrated Be RiskSMART into the reorg?

2 MS. SUGGS: I'm glad you asked that because that effort
3 was very collaborative, and it was staff led, and it's something that I think we
4 take a lot of pride here in Region II. The way that the Be RiskSMART
5 framework was used, first, we had a mini-jam, a two-day mini-jam that was
6 specific to Region II. During the process of that jam, we got tons of ideas
7 on how the staff felt like we should reorg, what our new structure should be.
8 And there was a gamut, as you can imagine, of suggestions about what that
9 should be.

10 So our working group that was responsible for putting this
11 on and facilitated it, and they worked extremely hard, they gathered all of
12 that information, condensed it all down, and then the top, I'll say the top ten
13 that had the most interest and that also seemed to be kind of the most
14 contentious, they put through the Be RiskSMART framework. So each one
15 of those ten ideas got a separate Be RiskSMART framework that it went
16 through, which was really good because now you're comparing each option
17 with the same set of information and getting a specific set of data out of each
18 framework.

19 It also provided a level of transparency to the staff because
20 the team was able to go back and say, okay, this is how we evaluated each
21 one of your options and these are the pros, these are the cons, this is all of
22 the risks that would be associated with each of them. It provided a lot of
23 transparency for the staff to understand how their ideas and suggestions
24 were actually evaluated.

25 From there, you know, we were able to make some

1 decisions, but what was also really nice about that was, in using the tool, our
2 Region II subject matter experts in IT, Tom Easum and company, made an
3 app, specifically made an app for Region II that took the tenets of the Be
4 RiskSMART framework, made it into an electronic application process. So
5 you were able to not just have the written form but actually have an
6 application that you could run all this through that has now been, we're
7 working on making it available outside of just the reorg process that we used
8 it for but making it available to the rest of the NRC to be able to use because
9 the nice part about it is it will have a search function. So now, when you
10 use the Be RiskSMART framework, you have prompts that are going to
11 prompt you to put the information that's required for Be RiskSMART into
12 those prompts, and then that information gets stored. It almost creates a
13 sort of database that you can then go back and search and query the types
14 of things that have been put through the process before and be able to pull
15 that out. Now, all that functionality is not necessarily been completely rolled
16 out, but that's the mind set behind it and I think we're really excited about it.

17 But that's how we used it, and so that really helped us to
18 support our decision-making around the way that we ended up going
19 because our senior leadership, Laura and Mark, did not put any specific
20 constraints around what it would look like. It didn't have to be what the
21 other regions were, it didn't have to be a particular way. We really wanted
22 to figure out what made the most sense for Region II given our workload and
23 what we look like, and the fact that we ended up looking very similar to the
24 other regions, I think, is a testament to the work that was done by the other
25 regions in getting there. But we got there in a very organic, very

1 risk-informed way that leveraged our own tools and then I think also provides
2 an application that can be used in the future. So we're very proud of that
3 effort.

4 CHAIR HANSON: Thank you. That's a great story. I
5 mean, I love the illustration, and I think one of the good things both for the
6 Commission but also for the entire agency is to really hear those use cases
7 of the Be RiskSMART framework, right, where it's not just thing that we did
8 where, you know, 80 or 85 percent or 90 percent of the agency took this
9 training and we're done, but it's actually becoming kind of a living, breathing
10 thing and now you've got this library, this use case library essentially, in your
11 pocket. And I think that's fantastic. It's both the application of the
12 principles themselves but also a lot of buy-in. If folks aren't bought into
13 organizational change, that change is not going to go well in most cases.

14 MS. SUGGS: I agree. I agree.

15 CHAIR HANSON: So that's fantastic. Thank you so
16 much. Mr. Stephen, if you could, I'm really interested, we talked about a
17 couple of things, and maybe, Mr. Truss, this is for you, as well. Between
18 the Competency-Based Qualification Program, which I think is a real
19 innovation and a positive development in the agency, as well as the
20 Enhanced Inspector Training Program, I think I want to understand a little bit
21 more about the relationship between those two things and how they, I hope,
22 complement each other and so forth. So let me just hand that over to you.

23 MR. STEPHEN: Well, thank you for the question, Chair
24 Hanson. So the whole process with getting an inspector through the
25 inspection pipeline to get to the finish, the agency took a look at what was

1 our existing inspection process for resident inspectors, and we made a
2 decision that we wanted to have it more focused on activities and
3 demonstration of what you're going to do vice just, you know, basically read
4 a book and then tell me about the book. Show me you know what the book
5 tells you to do, and that's the Competency-Based Qualification Program in a
6 nutshell.

7 The Enhanced Inspector Training Program, the idea
8 behind that was to have additional resources available because of the large
9 number of people going through qualifications. Now, we got a ton of help
10 from the Technical Training Center, but, internally, we also needed to have
11 additional resources available to help all those new inspectors get through
12 the process.

13 So they do complement each other. The Enhanced
14 Inspector Training Program folks did have a large role in making sure that
15 Bill Truss and Frank Young got through the program in the time frame they
16 did. If it hadn't been for their efforts, we never would have got there without
17 those resources.

18 MR. TRUSS: Just to add to that, like I said, that was one
19 of the most valuable things going through it is actually at the site working
20 through the inspection procedures, asking the questions with my mentor. I
21 mean, I even talk with my mentor to this day if I have any questions, and I
22 have a senior resident inspector at 1 and 2 that I talk to, as well. So that
23 communication, that knowledge transfer, is extremely beneficial, and I learn
24 best from hands-on so getting my hands-on learning there was just
25 invaluable.

1 CHAIR HANSON: Got it. It sounds like the Enhanced
2 Inspector Training Program is a real bonus to the CBQ and a real, like you
3 said, complementary. It was a game changer. Thank you very much.
4 Kind of book-learning and experiential learning going together. Thank you
5 so much for that.

6 Mr. Pelchat, I'm just going to finish up with you. I think
7 this is a question for you. I'm not 100-percent sure. But, apparently, there
8 was an industry regulatory inspection summit. Is that something --

9 MR. PELCHAT: I actually think it's going down --

10 CHAIR HANSON: Is that going to be down there? Oh,
11 LaDonna. Okay. Very good. I just wondered if you could tell me, just
12 mention a little bit more about that. Why did it, you know, why did it occur
13 and kind of what was gained from that conversation?

14 MS. SUGGS: Sure. It occurred at the request from the
15 industry. So twice a year, we do have periodic discussions with industry
16 representatives from regulatory affairs folks from all of the utilities. And
17 coming out of some of those discussions, there was a recognition that, on
18 the industry side, they have a lot of new reg affairs folks, a lot of new
19 engineers, a lot of new points of contact that are directly interfacing with
20 NRC inspectors. On our side, we have a lot of new folks within NRC, a lot
21 of new inspectors that are going out and engaging with the licensees. So
22 there was a desire to really have an open dialogue on expectations,
23 communications, interactions, to understand how do you really do what you
24 do. When an inspector asks a question, do our inspectors understand what
25 it takes for a licensee to provide the response to that? For the licensee,

1 when there is an issue that happens at a site and it's not completely resolved
2 during the inspection, it's an unresolved item, what does that look like on the
3 NRC side?

4 And so there was a lot of up-front information exchanged
5 between NRC and industry to understand what some of the questions were
6 so that we could answer the mail during that inspection summit. But it was
7 all geared around really understanding our processes. And for NRC, all of
8 our processes are really laid out. We have inspection procedures for
9 everything we do. We have inspection manual chapters for everything we
10 do. So a lot of the discussion was pointing back to those reference
11 materials but then also walking you through what does the day-to-day
12 interactions look like.

13 So we came out of a request by industry to have that level
14 of dialogue. It was done in a public forum, and my understanding from the
15 feedback that was gained was it was a good information exchange. There
16 may be more questions that need to happen. There may be other business
17 lines that could benefit from that type of an exchange since we do
18 inspections outside of operating reactors, but that's sort of where it came
19 from and how we did it.

20 CHAIR HANSON: Thanks so much. And thanks to my
21 colleagues. I think I overran a bit. So thank you. Commissioner Wright.

22 COMMISSIONER WRIGHT: Ten minutes goes by quick.
23 And being last, you should see my notes. Oh, my gosh. So first off, thank
24 you for your presentations today and thank you to your team that helped you
25 put these things together. I know it's not an easy thing, but it's been a really

1 good meeting.

2 Before I go further, I want to take a chance and the
3 opportunity for Commissioner Caputo and Commissioner Crowell to
4 associate each of us with the Chair's remarks and comments concerning
5 your work during the summer and the fall. It was impressive, and we cannot
6 appreciate you enough. So I just want to, just from us, on behalf of all of us,
7 again, thank you for everything that you did. It has gone noticed, let's just
8 say that, and appreciated.

9 Mirela, I want to come to you. Thank you again.
10 Commissioner Crowell spoke to your comments, as well, and thank you for
11 those comments. I did appreciate your reflections at the beginning of the
12 panel. Something that I've noted for a while is the need to break down
13 silos. I've noticed that very early when I was at the NRC, and I know I'm not
14 alone in this awareness.

15 So I'm glad that you're thinking outside the box on this and
16 ways to improve the feedback loops that currently exist across all disciplines.

17 So I don't particularly have any questions for you, but I wondered if you had
18 anything you might want to add considering what you've heard today.

19 MS. GAVRILAS: So it starts with senior leadership, but it
20 ends with the staff. So what I'm hoping to do is to have senior leaders
21 collaborate on things that impact all of us, whether it's a regional topic,
22 whether it's a headquarter topic, whether it's corporate, whether it's program.

23 A bunch of brains coming at the issue from different directions, working
24 together to resolve it for the betterment of the entire agency is what I'm
25 looking forward to.

1 And I think that the other thing that I want to see a lot more
2 of is vertically integrated teams, teams where you'll have senior leaders and
3 branch chiefs and first-line contributors working together on issues so that
4 you have the vertical perspectives brought in directly. So that's the vision.

5 COMMISSIONER WRIGHT: Thank you so much. Tom,
6 you had some conversations earlier, and I know Commissioner Caputo
7 asked you a series of questions, so I'm not going to go back and cover any
8 of that ground. So this question is going to be a little off-script.

9 I've heard about some helpful knowledge management
10 activities that you're implementing, and they have to do with the inspector
11 training that you have on Fridays, right, and the prep course for the
12 Westinghouse series. Can you tell me a little bit more about it?

13 MR. STEPHEN: Thank you for the question,
14 Commissioner. So Friday's prep courses, one of the staff members actually
15 came to me one time and said, hey, can I start running these classes on
16 Friday mornings and he started working with the Technical Training Center
17 to get those off the ground. So what they're designed to be is a pre-training
18 course for members of our staff that are newly hired that have little to no
19 experience with nuclear power, and it's designed to give them a leg up, so
20 they can be basically more successful once it goes to the full series.

21 Traditionally, the NRC has hired a lot of post industry, post
22 Navy with a lot of experience in nuclear power, but now that we're hiring
23 from a greater diversity of America, we need more help to make sure
24 everyone can succeed.

25 COMMISSIONER WRIGHT: Thank you. Thank you.

1 To say that we're proud of what you've done and what you've accomplished
2 is an understatement, and I just wonder, at some point, maybe I'm going to
3 have to come work with you as a resident inspector for a day. I mean, ten
4 months is amazing and congratulations again.

5 I think it's, you know, quite impressive that you were able
6 to leverage your experience, your prior experience, right, and I just wonder,
7 I'm kind of hopeful there might be more like you out there, but can you, now
8 that you've gone through this Competency-Based Qualification process, are
9 there any thoughts, any additional thoughts that you might have about that
10 program or, you know, does it work the way it's intended, do you think that
11 there are some changes that could be made? I mean, just your personal
12 thoughts about that.

13 MR. TRUSS: Well, thank you for the question. Since I
14 was a part of the pilot program, I did provide a lot of that feedback up-front to
15 Tom and his team when they were going through it, and I believe a lot of that
16 has been incorporated moving forward. But I think that there are certain
17 aspects of that program that are extremely valuable that I've actually been
18 able to put in practice, one of which was the emergency response training in
19 the simulator where they actually have the resident inspector in development
20 actually go in and simulate how they would act in the control room during an
21 emergency response. I mean, getting on the phone call and talking through
22 the issue, which is, I mean, that was a great benefit, especially given that,
23 now that I've been at 3 and 4, they have had two trips where I did have to
24 respond. So having the communications there was very good.

25 Also, like I mentioned, being out in the field and actually

1 getting the experience working through the procedures, I mean, having the
2 up-front knowledge of how you navigate through the inspection procedures,
3 what sections you're looking at, and where you can kind of tripped up, you
4 get that experience from someone who has been doing it for 20-plus years.
5 I mean, that's invaluable, and you take that and you hit the ground running
6 when you get assigned your site. And I think that it was a benefit for me
7 when I got to Vogtle 1 and 2 to say, hey, I've got experience with 10 of the
8 12 that we're working through right now. Just a better chance to hit the
9 ground running and help the senior that's actually there, you know, with the
10 baseline.

11 COMMISSIONER WRIGHT: Right. Yes. Having
12 observed and, in some cases, been a part of kind of the process stuff, I
13 mean, it's very detailed. I can see where you could get tripped up. Well,
14 thank you for that.

15 How much time have I got? Three minutes. All right.

16 John, I'm not even going to try speaking Southern French
17 to you. So it sounds like you're doing a great job and interfacing with the
18 multiple different entities that you have to deal with, the local, state, tribal.
19 And you've had a successful career here at the NRC. I'd say long, but
20 you're not that old yet.

21 So from your perspective, are there areas where we could
22 improve? I know you spoke a little bit to this, but are there other areas
23 where we can improve or maybe are falling short of where we could be in
24 our interfacing with these different communities? I mean, give me the
25 benefit of your experience here.

1 MR. PELCHAT: Thank you for the question,
2 Commissioner Wright. I think that we can enhance our outreach by meeting
3 folks by where they are. We have to recognize that not all parts of a
4 community rely on digital communications. We've had public meetings
5 where we get feedback asking why we didn't post notices in a neighborhood
6 store or share information through local churches, which are the way that
7 many people, especially in rural communities, get information.

8 A really good example of this is something that Mac Reed,
9 the senior NPC at Summer did. He went out and he had a couple of signs
10 printed out saying NRC meetings, date and time. He had those put up on a
11 couple of different roads near the site, and people noticed them and there
12 was a significant increase in the number of people attending the meeting.
13 And during that meeting, people were saying, hey, these signs are great,
14 have you thought about maybe putting them up by the county dump, which is
15 where everybody takes their trash to? So it's that kind of thing. I think it's a
16 simple, non-technological approach, but it sure as heck worked.

17 I think, too, that we have to also recognize that when we
18 do our public meetings that one size doesn't fit all. When we make a
19 presentation to a technical group, it may not resonate with the general
20 public. If I could, I use a test I call the Rita test. If I can't explain it to my
21 mother-in-law Rita across the breakfast table, then I know that the
22 presentation isn't quite ready for prime time with the general public. So just
23 working, you know, on trying to make sure that we make our information as
24 clear and as understandable to as much as the public as we can.

25 One last site, if I can, senior resident at one of our plants

1 down in Florida noticed, you know, that we didn't have a lot of information
2 that was available to the Hispanic population, so she worked with SBCR and
3 with OPA to get many of our brochures translated into Spanish, and that
4 helped us in our outreach to those communities.

5 COMMISSIONER WRIGHT: Okay. Do we have time for
6 one more? All right. Mark, so 42 new people in 18 months. That's a lot.
7 And even though you've done that, maybe we can talk offline, are they the
8 people that you need, or are you still looking for specialized people for some
9 of those vacancies? That's what we'll talk about offline.

10 But with the new hires, right, because we're hiring so many
11 new people that, within, like, five years, they're going to be the old timers, so
12 how are you ensuring that they're becoming fully acclimated from a culture
13 perspective?

14 MR. MILLER: Well, thank you for that. So we have days,
15 excuse me, Tuesdays, at least for people in the region, that where
16 attendance in the region is encouraged just so we get that face to face,
17 elbow to elbow. And then, you know, there are other days of the week
18 obviously, but everyone is aligned on that one.

19 The messaging, I think, we have tried to be as consistent
20 and repetitive as we can be in terms of doors are opened, ask me questions,
21 I'm here to talk to you. Laura does it all the time. I try. And what can we
22 instill? We can instill a sense of openness. We can instill a sense of
23 collaboration, you know, in terms of culture. And then I liked what Mirela
24 said about vertical integration but, through the horizontal integration, working
25 with peers and seniors, you know, that's where it really gets put into action.

1 Can you challenge me? If I say, hey, this is my idea, are you feeling good
2 about your ability to say, well, you know, I don't know, and that's the kind of
3 thing we're trying to establish and encourage and make people, you know,
4 really believe is important to how we do business.

5 COMMISSIONER WRIGHT: Thank you for that. Chair,
6 thanks.

7 CHAIR HANSON: Thank you, Commissioner Wright. All
8 right. Well, we have reached the end of our time together. Let me just
9 share a few thank yous. Thank you to our regional administrator, Laura
10 Dudes, here in Region II and for hosting us all today. Our deputy regional
11 administrator, Mark Miller, thanks for being on the panel and for also helping
12 corral all of this. Our good friends in the Office of the Secretary, Carrie
13 Safford and the rest of the roadies for taking us here down to Atlanta and
14 working with the region and making all of this work. It's really appreciated.

15 Thank you also to all of the folks here in Region II who
16 have joined us in the room today, as well as those online. And, finally,
17 thanks to my colleagues for a great discussion and all of your questions.

18 And with that, we're adjourned.

19 (Whereupon, the above-entitled matter went off the record
20 at 3:59 p.m.)