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Three Empire State Plaza, Albany, NY 12223-1350
www.dps.ny.gov

June 13, 2022

VIA EMAIL

Hon. Michelle L. Phillips
Secretary to the Commission
3 Empire State Plaza
Albany, NY 12223-1350

Re: Matter No. 21-01188 – In the Matter of the Indian Point Closure Task Force and Indian Point Decommissioning Oversight Board.

Dear Secretary Phillips:

Please accept for filing in the above-captioned matter, the May 19, 2022 Indian Point Closure Task Force and Indian Point Decommissioning Oversight Board Meeting Transcript. Should you have any questions regarding this filing, please contact me. Thank you.

Respectfully submitted,

Tom Kaczmarek
Executive Director
Indian Point Closure Task Force
Indian Point Decommissioning Oversight Board

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

1

STATE OF NEW YORK
DEPARTMENT OF PUBLIC SERVICE

-----X
Indian Point Decommissioning Oversight Board

Joint Meeting

Indian Point Closure Task Force and
Decommissioning Oversight Board

-----X

Town of Cortlandt Town Hall/Webex
Heady Street
Cortlandt, New York 10567

May 19, 2022
6:16 p.m.

PRESIDING:

TOM CONGDON, Chairperson

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

2

BOARD MEMBERS PRESENT:

Richard Becker, Supervisor, Town of Cortlandt

John Sipos, Esq., Board Counsel

Assemblywoman Sandy Galef

Theresa Knickerbocker, Mayor, Village of Buchanan

Joe Hochreiter, Superintendent, Hendrick Hudson

Richard Webster, Riverkeeper

Susan Spear, Assistant Director of Operations,

County of Westchester

Jennifer Wach, NYS Office of Emergency Management

Jeff Guynup, NYS Department of Labor

Alyse Peterson, NYSERDA

Kelly Turturro, DEC Region 3 Director

Joe Leary, NYPA

Bill Smith and Tom Carey, labor reps

Senator Peter Harckham - via Webex

David Lochbaum, Technical Expert - via Webex

Mark Pattison, Department of State - via Webex

Scott Palladino, Department of Tax and Finance - via Webex

Tom Scaglione, Empire State Department - via Webex

ALSO PRESENT:

Rich Burroni, Holtec

Courtney Williams, Community Speaker

Other Elected Officials - via Webex

The Public, in person and via Webex

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

1		
2	SPEAKER	PAGE
3	John Sipos	14
4	Kelly Turturro	25
5	Richard Burroni	29
6	Marie Inserra	105
7	John Sullivan	107
8	Courtney Williams	111; 158
9	Manna Jo Greene	114
10	Tina Volz-Bongar	118
11	Jacquelyn Dreschler	123
12	Susan Van Dolsen	128
13	Santiago Oliva, Columbia University	132
14	Reuben Goh, Columbia University	137
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

4

1 PROCEEDINGS MAY 19, 2022
2 SUPERVISOR BECKER: Good evening,
3 everybody. Welcome to Town Hall to the
4 Indian Point Decommissioning Oversight Board
5 meeting of May 19th, 2022. We have a rather
6 packed agenda and it's three hours long.
7 Thank you, Tom. And so we're going to try
8 to keep very much to schedule, so I'm
9 immediately going to turn it over to Mr. Tom
10 Congdon, our chairperson.

11 THE CHAIRPERSON: Thank you,
12 Supervisor Becker, and thank you all for
13 being here tonight. It's nice to be in
14 person. Unfortunately there still is a high
15 COVID case load, so we do recommend masking
16 for those of you who choose to. And we've
17 also attempted to do a virtual hybrid
18 tonight, and we apologize for the technical
19 difficulties with that. It worked when we
20 tested it. But, but, you know, we'll keep
21 working it through.

22 I'm going to try to make up some
23 time since we're fifteen minutes late. I'm
24 going to jump straight into the roll call,
25 and in that I, I can see many individuals

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

5

1 PROCEEDINGS MAY 19, 2022

2 here. I'm just going to highlight who is
3 here, and then I'm not sure if we're going
4 to be able to ask the virtual attendees for
5 their attendance at this time.

6 But with us today we have
7 Assemblywoman Sandy Galef. School
8 Superintendent Joe Hochreiter. Supervisor
9 Richard Becker. Mayor Theresa
10 Knickerbocker. Susan Spear, the assistant
11 director of operations for the County of
12 Westchester. Richard Webster from
13 Riverkeeper. Jennifer Wacha from the Office
14 of Emergency Management. Jeff Guynup from
15 Department of Labor. Alyse Peterson from
16 NYSERDA. Lou Picani is not here, but we are
17 joined by Bill Smith and Tom Carey, our
18 labor reps. Rich Burroni is here from
19 Holtec. He will be presenting later on this
20 evening.

21 For those in person -- did I, it
22 looks like I caught everyone. John Sipos,
23 our counsel. I'm Tom Congdon, the chair.

24 Sorry, oh, I see Dana Levenberg
25 from the Town of Ossining is a guest as

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

6

1 PROCEEDINGS MAY 19, 2022

2 well. Nice to have you.

3 So next slide, please.

4 Is anyone working the slides?

5 Okay, no one is working the slides at the
6 moment, so we're going to just go over the
7 agenda. Thank you.

8 As Supervisor Becker said, we do
9 have a packed agenda. Tonight, in addition
10 to hearing updates from Holtec and agency
11 staff, we're going to have presentations
12 from Jennifer Wacha from Office of Emergency
13 Management on Emergency Preparedness plans.
14 From Columbia University representatives on
15 their project to review options for
16 environmental monitoring at the BV
17 Elementary School. We're also pleased to
18 have our first community guest speaker with
19 us today, Courtney Williams. And due to
20 popular demand we've changed up the order of
21 our agenda, so that we're going to have the
22 public statement portion of the meeting
23 earlier on in the agenda.

24 Next slide, please.

25 I want to just take a moment to

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

7

1 PROCEEDINGS MAY 19, 2022
2 recognize the staff of the agencies, both at
3 the state level and at the local level, for
4 all of their incredible work in preparing
5 for tonight's meeting and for their
6 day-to-day work in helping to ensure a
7 smooth transition for the host communities,
8 as well as ensuring the safe decommissioning
9 of the plant. They are on hand to answer
10 each and every question we take in from
11 members of the community. And they are on
12 hand to essentially work with us through new
13 issues as they develop.

14 I also want to thank our volunteer
15 independent board members, Richard Webster
16 from Riverkeeper, and Dave Lochbaum, our
17 nuclear expert, for countless hours that
18 they are spending on DOB activities.

19 Most especially I want to
20 recognize and give thanks to the workers who
21 are performing the enormously consequential
22 task of decommissioning Indian Point. You
23 all are making the site safer every single
24 day, and we depend on your professionalism,
25 your integrity, and we're grateful for your

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

8

1 PROCEEDINGS MAY 19, 2022
2 commitment to safety. If you ever feel that
3 you are being asked to do something that put
4 workers or the public at risk, we encourage
5 you to call us on our whistleblower hotline,
6 which is displayed on the screen, and we
7 will have your back.

8 Next slide, please. Next slide.

9 I want to give just a few updates
10 on some activities of the DOB staff in
11 between meetings. We highlighted some work
12 that we were doing based on the presentation
13 we received from Rick Kuprewicz regarding
14 pipeline safety. We executed, or I should
15 say Holtec and Enbridge executed a
16 Memorandum of Understanding that formalizes
17 the protocols we discussed at the last
18 meeting pertaining to heavy load crossings
19 and notifications that are required under
20 the Joint Proposal that approved the sale to
21 Holtec.

22 We heard from the community a
23 request that we post our Q&A earlier for --
24 so the community has time to process a lot
25 of dense information before subsequent

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

9

1 PROCEEDINGS MAY 19, 2022
2 meetings. We were able to get that Q&A
3 posted a few weeks ago, and will continue to
4 endeavor to stay timely with that.

5 We have made a lot of progress in
6 hiring a resident inspector at the DPS.
7 There was a pretty robust response to our
8 job opportunity notice, and we're expecting
9 to have someone on board well before the
10 next meeting in July.

11 We had some correspondence
12 exchanged with Holtec. Some of you I'm sure
13 read news about some of the NRC violation
14 citations that Holtec has been the subject
15 of over the past several years actually at
16 several plants, not Indian Point. But, you
17 know, we look at that as a team at DPS and,
18 you know, we share with our technical
19 experts, Mr. Lochbaum and Mr. Webster, and
20 talk through whether there's anything
21 actionable for our agencies and our
22 oversight role. And really what we noticed
23 in some of the citations, that there were
24 some trends of some changes made outside of
25 NRC approvals that, that Holtec had done at

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

10

1 PROCEEDINGS MAY 19, 2022
2 other sites. And that was of concern,
3 because it appeared that there was some
4 trends that, you know, seemed that they
5 weren't taking corrective actions in a
6 manner that prevented the similar kinds of
7 citations from recurring. So we flagged for
8 them a number of violations that seemed to
9 be on a trend line over the last several
10 years. And Holtec did respond to that, they
11 acknowledged the citations, they
12 acknowledged that there, there were trends
13 and, and highlighted that they had taken a
14 number of corrective actions meant to ensure
15 that those similar kinds of violations
16 didn't occur in the future or at Indian
17 Point. I think this will be a topic for
18 further discussion among our agencies and
19 with Holtec, but we appreciate their
20 responsiveness to the letter.

21 The next quick update, public
22 engagement. You know, there's been a very
23 active community here for a long time
24 dealing with issues pertaining to Indian
25 Point even before there was a closure. We

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

11

1 PROCEEDINGS MAY 19, 2022
2 have tremendous respect for the members of
3 the community who have taken a lot of time
4 of their own to really learn a lot about the
5 issues. They have a lot to offer, we want
6 to hear from them. But, that being said,
7 the members of the community have written to
8 us letters and have highlighted a number of
9 areas where they think that the DOB meetings
10 themselves can be improved to improve public
11 engagement. And so we've done a number of
12 things already in response to those
13 requests.

14 There's requests for more frequent
15 meetings. We've done that, we've set the
16 dates ahead of time so people can plan.
17 We've heard the desire to have more back and
18 forth. So we've addressed that through
19 adding a slot on our agendas going forward
20 for community guest speakers, and we're
21 happy to have a community guest speaker
22 tonight. We have heard that folks don't
23 want to wait until the end of our very long,
24 detailed meetings late into the night to
25 have the public speaking portion of the

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

12

1 PROCEEDINGS MAY 19, 2022
2 meeting. We are going to bump that up this
3 time. And we're continuing to look for ways
4 to -- next slide, please -- to -- yeah,
5 thanks -- to further our public engagement
6 opportunities. So what we're proposing is a
7 meeting in July that would be dedicated
8 primarily to be a public forum. We're
9 proposing that we provide as much advance
10 notice of the public forum as possible to
11 solicit questions from the community that we
12 can take and share with the relevant experts
13 in agencies. And maybe at the company there
14 would be potentially questions, you know,
15 for Enbridge and we'll invite them for
16 pipeline issues. And then we would organize
17 those questions by topic area, and we would
18 call the individuals up to ask their
19 questions and then have the relevant expert
20 or relevant individual respond. We'll try
21 to leave time for some back and forth
22 follow-up questions from DOB members or from
23 the individual posing the question.

24 And I've shared this idea just
25 this week with the DOB members. I got a

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

13

1 PROCEEDINGS MAY 19, 2022

2 little bit of feedback via email, I
3 appreciate that. But I just wanted to open
4 it up quickly to see if there are any other
5 recommendations for how to proceed with the
6 public forum style meeting next time.

7 ASSEMBLYWOMAN GALEF: I have -- I
8 think it's a great idea, Tom, and it's just
9 a way for anyone in the community, because
10 everybody -- there's so many groups and
11 organizations that have been involved in all
12 these issues, and it's a way for them to all
13 come forward. And so what you're going to
14 do is try to get information as to what the
15 questions are, just to be sure that you know
16 them and then get the experts. I assume
17 we'll do a hybrid, because the experts may
18 be somewhere else --

19 THE CHAIRPERSON: Mm-hmm.

20 ASSEMBLYWOMAN GALEF: -- as
21 opposed to here?

22 THE CHAIRPERSON: Well, I think
23 that that will be determined. I think our
24 experience tonight is, is a teachable
25 moment. This hybrid is not going well

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

14

1 PROCEEDINGS MAY 19, 2022

2 obviously. And so long as, you know, we're
3 not seeing, you know, an explosion of COVID
4 cases, I think that we may want to go
5 entirely in person next time.

6 ASSEMBLYWOMAN GALEF: Okay.

7 THE CHAIRPERSON: So with that
8 I've made up five minutes. I'll ask John
9 Sipos to try to make up as much of that.
10 I'm going to turn it over to John to provide
11 a quick overview of some agency updates.
12 John?

13 MR. SIPOS: Thanks, Tom.

14 Good evening, everyone. I hope
15 you can hear me. I'd also like to just
16 acknowledge Manna Jo Greene is here from
17 Clearwater. Good to see you in person.

18 And so the first slide we have
19 here is on the monitoring.

20 THE CHAIRPERSON: Next slide,
21 please.

22 MR. SIPOS: Is the ongoing
23 monitoring that occurs at Indian Point, and
24 I'll just go through this fairly quickly.

25 Indian Point is one of a very few

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

15

1 PROCEEDINGS MAY 19, 2022
2 number of plants in the country that has
3 this continuous radiation monitoring
4 capability. That capability has been
5 maintained following the closure of the Unit
6 3 reactor. It is ongoing. Holtec I'd like
7 to acknowledge is maintaining that. That
8 was part of the agreement we reached last
9 year. And the information from that system
10 goes to various state agencies, including
11 the Department of Public Service. And our,
12 our staff, our expert staff, Bridget
13 Frymeyer is, is monitoring that, and to date
14 there have been no, you know, there have
15 been no abnormal readings.

16 So if we could just go to the next
17 slide, please.

18 THE CHAIRPERSON: And while we're
19 waiting for the next slide I'm going to ping
20 to, to the speakers when you're at the table
21 to just introduce yourself by name so that
22 folks on the line know who's speaking. This
23 is John Sipos.

24 MR. SIPOS: Thank you.

25 And in fact this is an example

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

16

1 PROCEEDINGS MAY 19, 2022
2 that Bridget was able to receive this
3 morning. This is this morning's data result
4 from the monitoring. Excuse me, it's
5 yesterday's. And there are a variety of
6 monitors in a rough circle around the site,
7 two of which are near the elementary school.
8 And, you know, again, Indian Point, a unique
9 site that has this capability, it's being
10 maintained in the short term. We think
11 that's a positive, a positive step and, you
12 know, promotes the public interest.

13 I'm going to just go to the next
14 slide.

15 In terms of our oversight
16 activity, DPS staff continues to visit the
17 site and maintain contact with Holtec
18 representatives, interact with them on
19 various issues. As Tom mentioned, the state
20 inspector position is expected to be
21 finalized in the near future. And we have
22 been also receiving daily weather reports
23 and other, other pertinent data read outs
24 every day as required, as Holtec agreed, and
25 to date there have been no safety concerns

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

17

1 PROCEEDINGS MAY 19, 2022

2 reported.

3 THE CHAIRPERSON: Next slide.

4 MR. SIPOS: One of the issues that
5 I'm sure all folks remember from, you know,
6 the proceedings over the last several years
7 is financial, financial viability, financial
8 reporting. There have been monthly meetings
9 since Holtec closed on the deal with
10 Entergy, and DPS staff and other -- and
11 staff from other expert state agencies have
12 attended these meetings. They occur every
13 month. And it is an opportunity for state,
14 state regulatory officials to interact with
15 Holtec and vice versa. Holtec reports that
16 the decommissioning project as a whole is
17 ahead of schedule and is under budget.

18 Also, we have received the annual
19 financial reports that are required under
20 both the federal regulations and the Joint
21 Proposal. We are reviewing that and we
22 anticipate having a meeting with senior
23 Holtec staff to review and go over that in
24 the next -- in the coming months. And, you
25 know, at this point Holtec has been, you

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

18

1 PROCEEDINGS MAY 19, 2022

2 know, in compliance with the trust fund
3 obligations.

4 I'm going to go to the next slide.

5 There are a number of issues going
6 on at the federal government level. There
7 has been a long running rule making at the
8 Federal Nuclear Regulatory Commission on, on
9 decommissioning. The comments were supposed
10 to be due this coming, I think this week,
11 and that was recently extended until the end
12 of August, that comment deadline. I know a
13 number of folks in the room, a number of
14 folks watching are, are keenly interested in
15 that, and I think that has just hit the
16 Federal Register.

17 Also, in the beginning of May the
18 Nuclear Regulatory Commission staff issued a
19 letter on the review of the Post-Shutdown
20 Decommissioning Activities Report or PSDAR,
21 we like to have our acronyms. And that May
22 5 letter, which we have the citation here
23 for on the ADAMS document platform, contains
24 NRC staff's observation that the PSDAR that
25 Holtec submitted in December of 2019

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

19

1 PROCEEDINGS MAY 19, 2022
2 contained the expected and anticipated
3 information that the NRC staff would be
4 looking for, and that letter also contains a
5 brief summary of some public comments. And
6 again, this is, the way the NRC goes about
7 doing things, this is a, you know, a -- they
8 have received the letter, they have received
9 the PSDAR, they have acknowledged it, and
10 they've said it contains the information
11 that they would expect. It is not a
12 discretionary approval of, of a certain
13 pathway. That is not what the NRC does at
14 this stage.

15 There are also a couple of
16 exemption requests that are working their
17 way through the federal system. One is
18 concerning relaxation of federal regulations
19 for emergency planning. And I think that
20 there -- that may be discussed later today.
21 There's also an exemption request regarding
22 the contents of the cask. And there's
23 another exemption request that is pending
24 that's not on the slide. It is a request to
25 relax federal regulations concerning

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

20

1 PROCEEDINGS MAY 19, 2022
2 insurance coverage for, for the, let's say
3 the interim or the short term period. That
4 is also being reviewed, NRC is deciding
5 whether to relax the insurance coverage
6 regulations.

7 I think that concludes the DPS
8 aspect of the interactions with Holtec and
9 the site and the federal agencies. And I
10 think we can now pick it up with, with DEC.

11 THE CHAIRPERSON: Thanks, John.

12 It looks like Richard may have a
13 question?

14 MR. WEBSTER: Yeah, it's Richard
15 here. I just wanted to have a comment
16 actually, which is, John is being very
17 diplomatic here. I think what we, what we
18 see and what we saw in the article about
19 Holtec is the NRC is not doing a very good
20 job of regulating nuclear plants. We all
21 know that. Happily, through our New York
22 State Assembly member and Senate member,
23 Sandy Galef and Peter Harckham, we were able
24 to get jurisdiction over the transaction
25 through DPS and then have the Joint

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

21

1 PROCEEDINGS MAY 19, 2022
2 Proposal. And I think what we're seeing
3 here is the results of that, that
4 jurisdiction. So we have a much better
5 supervision approach because we have New
6 York State supervising as well as the NRC.
7 Whereas for those people who know me, I
8 actually do live in New Jersey, for those
9 poor folks it's a -- at Oyster Creek all
10 they have is the NRC. And I think we see a
11 big difference.

12 THE CHAIRPERSON: Thank you,
13 Richard.

14 I -- I'm sorry, another question?

15 ASSEMBLYWOMAN GALEF: Just a quick
16 question.

17 THE CHAIRPERSON: Yeah.

18 ASSEMBLYWOMAN GALEF: Sandy Galef.
19 So with these exemptions that they're asking
20 for from the NRC, do we have a statement in
21 opposition to them or support of them or
22 anything?

23 MR. SIPOS: So the exemption
24 requests are docketed with the NRC. They
25 are served, they are given to the state

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

22

1 PROCEEDINGS MAY 19, 2022
2 agencies. I don't want to necessarily get
3 out in front of what the state agencies may
4 or may not be doing. But the state
5 agencies, including NYSERDA, and Alyse
6 Peterson is here tonight, receives, catches
7 and then distributes those exemption
8 requests, you know, in a, in a prompt manner
9 out to state agencies. And they are being
10 looked at. I mean, if I could give an
11 example of just about the crane, and Alyse
12 could probably, you know, write a chapter in
13 a book about the amount of work by state,
14 state officials to ensure that the crane
15 application, the amendment of the license
16 operating -- of the operating license,
17 excuse me, that that was done in a thorough
18 way. And that crane is important to
19 facilitate the decommissioning process.

20 So yes, I mean, so in answer to
21 your question the state, the state is
22 involved, the state is aware of these
23 exemptions. And there have been a number of
24 occasions in the past where the state has
25 weighed in at the, at the NRC and has

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

23

1 PROCEEDINGS MAY 19, 2022

2 opposed certain exemptions, such as in the
3 fire safety realm over the last decade. So
4 the state is aware. And I think maybe I'll
5 leave it at that. I don't know if that's
6 sufficient right now.

7 ASSEMBLYWOMAN GALEF: Okay. Well,
8 maybe at the next meeting, well, you could
9 report if, if the state has done anything on
10 those three categories?

11 MR. SIPOS: Yes.

12 ASSEMBLYWOMAN GALEF: Thank you.

13 THE CHAIRPERSON: So I'm not sure
14 we're going to be able to turn it over to
15 presenters who are attending virtually.
16 There are a number of our DOB members
17 attending virtually, including Senator
18 Harckham, Dave Lochbaum, Kelly Turturro, Tom
19 Scaglione, among, among others. But we're
20 going to give it an attempt, because Kelly
21 Turturro has a few slides pertaining to some
22 DEC updates. If it doesn't work right away,
23 I'm going to suggest we skip those slides.
24 All of the slides will be available on our
25 website immediately following the meeting.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

24

1 PROCEEDINGS MAY 19, 2022

2 And we'll call Rich Burroni up from Holtec.
3 So I'm going to give it a try.

4 Kelly, can you hear us and, and
5 can you try speaking?

6 MS. TURTURRO: I can hear you,
7 Tom. Can you hear me?

8 THE CHAIRPERSON: We can, it's
9 terrific. If we can just go to the next
10 slide for Kelly, please.

11 MS. TURTURRO: Good evening. I'm
12 Kelly Turturro. I am the regional director
13 for DEC's Hudson Valley office of the
14 Department of Environmental Conservation.
15 And I just have two quick updates on the
16 work that DEC is doing.

17 First on our administrative
18 consent order. We continue to work to
19 finalize both the Citizen Participation Plan
20 as well as the Scoping Work Plan, and hope
21 to have documents finalized shortly.

22 And next slide, please.

23 We are also working on the state
24 SPDES permit which covers discharges from
25 the facility. That application is before

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

25

1 PROCEEDINGS MAY 19, 2022
2 DEC, and we continue to review that to
3 determine if a modification to the permit is
4 necessary.

5 And that's all for my updates.
6 Thank you, Tom.

7 AUDIENCE MEMBER: We can't hear
8 anything.

9 THE CHAIRPERSON: You can't hear
10 her back there, okay.

11 Why don't we ask John Sipos to
12 present the next couple of slides on behalf
13 of DEC. You guys can hear us in person,
14 right? Yeah, okay. So John, go ahead.

15 Kelly, we're just having a
16 difficult time hearing you, so we're going
17 to just ask John to finish your slides.

18 MR. SIPOS: And just to review the
19 last two in a sentence or two. DEC staff is
20 actively engaged in the Citizen
21 Participation Plan, this is part of the
22 agreement that was arrived at last year, and
23 working out the scope of work with Holtec.
24 So, you know, DEC remedial staff is working
25 on that diligently and on the SPDES or State

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

26

1 PROCEEDINGS MAY 19, 2022
2 Pollution Discharge Elimination System
3 permit, DEC is also reviewing Holtec's
4 application for that.

5 There have been -- so I'm going to
6 move on to the next slide, which is entitled
7 "Dust Mitigation." This is an issue that we
8 have heard from the community on. We have
9 listened to those concerns, and the DOB and
10 the state agencies are working on that.
11 There are DEC standards and guidance that we
12 have here that we're citing here, and as
13 well the Village of Buchanan and the County
14 of Westchester also have a role to play in
15 this area. And we are working, the state is
16 working with the village, the county and
17 also with, you know, DEC subject matter
18 experts to work on examining this issue in a
19 comprehensive way and to look at
20 incorporating standards into a demolition
21 permit. And there is a fair bit of time
22 before this will be necessary. And we are,
23 we are confident that, you know, there is
24 the opportunity for there to be
25 collaboration amongst the various

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

27

1 PROCEEDINGS MAY 19, 2022

2 governmental agencies there.

3 And I think that is the last slide
4 on, on DEC's aspect.

5 And Tom, I don't know if we're
6 ready to --

7 THE CHAIRPERSON: Yeah.

8 MR. SIPOS: -- call Holtec.

9 THE CHAIRPERSON: Yup, I'd like to
10 keep things moving along, especially with
11 the in-person presenters.

12 So Rich, why don't you join us at
13 the table for an update from Holtec.

14 MR. WEBSTER: Tom, a quickie --

15 THE CHAIRPERSON: Yeah.

16 MR. WEBSTER: Public comment on
17 those --

18 THE CHAIRPERSON: Okay, yeah,
19 sure, go ahead.

20 MR. WEBSTER: Public comment will
21 presumably be available on those permits, on
22 the --

23 THE CHAIRPERSON: On the
24 demolition permits?

25 MR. WEBSTER: On the SPDES draft.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

28

1 PROCEEDINGS MAY 19, 2022

2 THE CHAIRPERSON: On the SPDES.

3 MR. WEBSTER: And then maybe the
4 demo.

5 MR. SIPOS: On, on the Citizen
6 Participation Plan for the decommissioning,
7 and I believe also the SPDES aspect, there
8 would be, I mean, there's always an
9 opportunity for public comment. And I
10 believe, you know, that DEC, again, I should
11 be careful as a, as a DPS attorney speaking
12 for DEC, I'm sure Jared Snyder will be
13 upset with me, but I imagine that DEC would
14 be -- you know, would take public comment
15 into account in its decision making process.

16 MS. TURTURRO: That's correct,
17 John.

18 MR. SIPOS: Oh, excellent. I'm so
19 glad you can back me up. Tell Jared I was
20 doing the right thing.

21 MS. SPEAR: Now you can bill him
22 for your time.

23 THE CHAIRPERSON: Thank you very
24 much, Rich, thanks for joining us. I'm
25 going to just turn the mic to you.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

29

1 PROCEEDINGS MAY 19, 2022

2 MR. BURRONI: My pleasure.

3 THE CHAIRPERSON: I'm sorry?

4 MR. BURRONI: My pleasure.

5 THE CHAIRPERSON: Yes. And so
6 hopefully the slides will keep up with your
7 remarks. Just try to shout out for a slide
8 in advance when you're ready. Go ahead.

9 MR. BURRONI: All right. So
10 thanks, Tom, for inviting me to the meeting.
11 I'm Rich Burroni. I am the site vice
12 president here at Indian Point.

13 Next slide. Next one. Next
14 slide.

15 Anyway, this is the agenda I put
16 together. It's basically what we have
17 accomplished since the last meeting that we
18 had on March 17th, and where we project we
19 will be by the time the next meeting rolls
20 around on July 27th.

21 All right, so I'll present the
22 following. Really the status of our dry
23 fuel project that we have. And within that
24 project there are three broad areas. We'll
25 talk about the ISFSI pad, we'll talk about

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

30

1 PROCEEDINGS MAY 19, 2022
2 the spent fuel pool, the building and the
3 activities around those buildings, and we'll
4 talk about the Hi-Lift crane. And then
5 we'll talk about the vessel segmentation,
6 both for Unit 2 and Unit 3. I'll talk to
7 building demolition. I'll talk further
8 about the NRC inspections and activities we
9 have, and within that grouping I did talk
10 about some of the exemption requests. And
11 then some of the state correspondence and
12 commitments we have made since the last
13 meeting.

14 Next slide.

15 Okay, so the dry fuel project
16 really consists of three broad areas. The
17 ISFSI pad construction. The ISFSI is the
18 Independent Spent Fuel Storage Installation.
19 The other phase -- the other major areas are
20 spent fuel pool building, the modifications
21 we're making and the activities surrounding
22 the building, and then the installation of
23 the Hi-Lift crane specific to Unit 3.

24 And with that said, and I'll
25 recap. The dry fuel project clearly

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

31

1 PROCEEDINGS MAY 19, 2022
2 concludes with all fuel from both spent fuel
3 pools on the Independent Spent Fuel Pool
4 Storage Installation pads. So we're calling
5 that fuel on pad protected, so you'll see
6 that back in the, right. And we, we project
7 we'll be done, fuel on pad protected, in
8 October of 2023.

9 And then to accomplish that we
10 need to construct an additional ISFSI pad,
11 and that's going to house, the numbers get a
12 little confusing, but with the additional
13 ISFSI pad we'll actually house 52 casks.
14 The existing pad will house 75. So those
15 are the two big numbers. Then the overall
16 big number, the overall cask count will be
17 127 casks. So those are really three
18 numbers, 127, 75 on the existing pad, and 52
19 on the pad expansion.

20 So since the last Oversight Board
21 meeting we had to install a retaining wall
22 on the north end of the pad. That's been
23 constructed and we have backfilled that.
24 We've started the installation of conduits
25 to support monitoring equipment, that's in

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

32

1 PROCEEDINGS MAY 19, 2022

2 progress. We did some grading around both
3 pads to facilitate transport of the vehicle
4 cask transporter. That I'll get into later.
5 And then we started the installation of
6 rebar and expansion joints, and that's in
7 progress.

8 Prior to the next meeting we will
9 start the final pour of the new pad on June
10 14th. We'll continue with grading around
11 the existing and the new pad, and we'll
12 continue with preparations to support
13 monitoring prep.

14 Next slide.

15 This shows the construction of the
16 north wall. I'd like to recognize Giordano
17 Builders, they're doing a great job on the
18 wall and on the pad itself.

19 So the north wall is complete.
20 And the top picture just showed some of the
21 framing and work they had to do to construct
22 the wall.

23 Next page, next slide.

24 Really this next slide, the intent
25 here was just to show -- no, you went too

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

33

1 PROCEEDINGS MAY 19, 2022

2 far. Back one. Back one.

3 Well, anyway. One more back. All
4 right, we're struggling here. Okay, right
5 there. So that shows the rebar that we've
6 installed. That's okay.

7 Can we go one further?

8 I'll just go. So we've installed
9 the rebar, we continue to install rebar on,
10 that's called the mud mat. That's the
11 subsurface of the, the ISFSI pad. There
12 will be another three feet of concrete that
13 we need to pour on top of that pad. The
14 rebar is just about complete. Then the
15 boxing around the pad is just about
16 complete. So we're going pretty well with
17 the ISFSI pad. We expect it will be done in
18 the August time frame. We really won't need
19 it until later on, but we'll be done in
20 August, which is good.

21 Next slide.

22 That's the rebar slide. Next
23 slide.

24 And so then we're doing some
25 contouring and leveling of the areas outside

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

34

1 PROCEEDINGS MAY 19, 2022
2 the existing pad and, and the new pad, and
3 how we transition from one pad to the next.
4 So we are putting a lot of what's called
5 Item 4, and you can see the workers grading
6 everything out and leveling. So I'm pretty
7 pleased with the ISFSI pad construction to
8 date.

9 Next slide.

10 So the second area that we're
11 focusing on is the spent fuel pool buildings
12 themselves. Just to recap, there will be
13 896 fuel assemblies that need to be casked
14 at Unit 2. That's going to require 28
15 casks. And then there will be a hundred --
16 there'll be 1,280 assemblies that need to be
17 casked at Unit 3. That's going to require
18 41 casks. So the Unit 2 spent fuel pool
19 off-load campaign is scheduled to start in
20 August of this year. And then we'll start
21 the Unit 3 off-load campaign in February of
22 '23. At the present time we are scheduled
23 -- we are on schedule with these start
24 dates.

25 So I've had to split the slides

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

35

1 PROCEEDINGS MAY 19, 2022
2 into two groupings, one for Unit 2 and one
3 for Unit 3. So we'll start with Unit 2.

4 And then since the last Oversight
5 Board meeting all fuel in sem -- all fuel
6 assembly inspections were complete and
7 satisfactory. That's a requirement prior to
8 the load -- prior to loading any of the
9 casks. The load plan per cask has been
10 finalized, so we know exactly which fuel
11 assemblies are going -- are going to go into
12 each cask themselves, right, there's
13 limitations on dose and Kw.

14 We put a new Helium dryer, that's
15 being installed. That's just a, it's going
16 to be a more efficient dryer to dry out the
17 casks themselves. And we started transport
18 rail repairs outside the spent fuel pool
19 building, and I'll show you the picture next
20 after that.

21 So projected activities to the end
22 of July. We'll complete the installation of
23 the Helium dryer. We'll complete rail
24 repairs outside the spent fuel pool
25 building. We'll complete PM activities on

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

36

1 PROCEEDINGS MAY 19, 2022
2 three major pieces of equipment, the fuel
3 handling machine, the, the crane that
4 actually moves the casks, and the VCT, the
5 Vehicle Cask Transporter. It's critical for
6 us to get those PMs done so that we have as
7 seamless a period of defueling the Unit 2
8 pool as possible.

9 And then come this June we're
10 going to start accepting delivery of the new
11 MPCs and the Hi-Storms. The MPCs are
12 multiple, multiple cask -- MPC, anyway.
13 They're going to house the fuel -- Multiple
14 Purpose Canister. That houses the fuel, and
15 the Hi -- the MPC goes into the Hi -- into
16 the Hi-Storm itself. So those two devices
17 or those two components will start being
18 delivered in June.

19 So if you go to the next slide,
20 actually what we have to do is, what we
21 found in the fall when we did floor casks,
22 we found degradation in the grouting of
23 that rail system. And that rail system is
24 used to transport the Hi-Storm out of the
25 Unit 2 spent fuel pool building. So the

1 PROCEEDINGS MAY 19, 2022
2 grouting was degraded. We actually saw some
3 of the rollers binding on it. So in order
4 to prevent that from happening again, we are
5 taking all the grouting out, right, we're
6 replacing all the rails and are replacing
7 all the bolting so that we'll have a good
8 system to transport the Hi-Storm cask out of
9 the Unit 2 spent fuel pool.

10 Next slide.

11 For those who haven't been at the
12 plant, that's the Vehicle Cask Transporter.
13 It's a big machine. All right. That
14 actually will transport the casks from the
15 pad to the pool. And so we're doing a full
16 PM on that machine to make sure that its
17 operation is flawless as we empty Unit 2's
18 pool.

19 The next slide.

20 And then we're also PM'g those two
21 components. So the component in white that
22 you see, that's our fuel handling machine.
23 So that actually takes the fuel out of the
24 spent fuel pool racks and installs it into
25 the MPC, the Multiple Purpose Canister.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

38

1 PROCEEDINGS MAY 19, 2022

2 Then the crane that you see in yellow is
3 manufactured by Ederer, but it actually is
4 the crane that will move the casks within
5 the building. So we're doing an extensive
6 PM on that also.

7 So once these PM activities are
8 all done, plus the rail outside, those are
9 the major activities we found that needed to
10 be done, just following the four casks that
11 we moved in the fall. So we'll be ready to
12 go come August in Unit 2.

13 Next slide.

14 So those are the near term
15 activities in the Unit 2 pool. And now I'll
16 try to swing over to Unit 3.

17 And so since the last Oversight
18 Board meeting, again, we've done all the
19 fuel assembly inspections so we're completed
20 sat. The same as we did Unit 2. We had to
21 modify the suction piping to the Spent Fuel
22 Pool Cooling Pumps. That was completed.
23 Due to an interference that we'll have with
24 the Hi-Lift crane. So we had to move that
25 pipe.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

39

1 PROCEEDINGS MAY 19, 2022

2 We have commenced removal of the
3 Backup Spent Fuel Pool Cooling System,
4 again, to facilitate installation of the
5 Hi-Lift crane.

6 We had to -- we have to repair the
7 floor. The floor, and I'll show you
8 pictures after, the floor wasn't -- it
9 wasn't bad, it wasn't in a bad shape but it
10 housed a waste transfer system that we have
11 since moved. That waste transfer system
12 contained a curb. We had to remove the curb
13 and have a flat surface in that building for
14 the transport of the casks out of the
15 building, right. So we're in the midst of
16 doing that, right. And then we, like I
17 said, we have completed removal of the rad
18 waste processing skid.

19 All of the work really here is due
20 to, except for the first bullet, is really
21 due to the Hi-Lift installation that -- that
22 we're -- that we need to do.

23 And so through the end of July
24 we'll continue with the modifications to the
25 building. There's some duct work that has

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

40

1 PROCEEDINGS MAY 19, 2022

2 to be relocated. The heating system within
3 the building for worker comfort has to be
4 repaired. There's some walkways and Backup
5 Spent Fuel Cooling System, those all have to
6 be modified to accommodate the Hi-Lift crane
7 installation.

8 Next slide.

9 So if you look at the picture on
10 the left, that was a pretty massive scaffold
11 that, again, Giordano Builders had to build
12 to modify that suction line. That suction
13 line had to be moved, I think it was four
14 inches. So we had to isolate the line, put
15 the Backup Spent Fuel Cooling System in
16 service. We successfully moved the line the
17 four inches and then we put the system back
18 in service. That was all done with no
19 issues, no safety concerns and within, well
20 within any rad exposure limits. So that was
21 a major pipe issue that we had to take care
22 of.

23 And then on the right you can see
24 where we're modifying the curb. That curb
25 had a steel runner through it. So we're

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

41

1 PROCEEDINGS MAY 19, 2022

2 taking out that curb to flatten out the
3 floor in that building.

4 THE CHAIRPERSON: Rich, is the
5 work on the left side done?

6 MR. BURRONI: Yes, that's
7 complete. However -- that's a good
8 question, thanks, Tom -- do you see the
9 walkway on top? That walkway poses
10 another -- that's the yellow, that's the
11 yellow structure you see on top, that poses
12 another interference to the Hi-Lift crane.
13 So that'll have to be modified also. We're
14 working on that. We're confident we have no
15 issues really with the Hi-Lift being
16 installed to meet the February 2023 time
17 frame to start the off-load.

18 Next slide.

19 So the Hi-Lift update. This is
20 really the third area I'll discuss tonight
21 in our plans to, to install the Hi-Lift in
22 the Unit 3 spent fuel cooling building. So
23 we did submit an LAR to the NRC March of 24
24 -- March 24th of 2020, requesting
25 installation of the Hi-Lift crane, and the

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

42

1 PROCEEDINGS MAY 19, 2022
2 NRC granted approval through a safety
3 evaluation report dated February 25th of
4 2022.

5 Since the last Oversight Board
6 meeting parts required for assembly have
7 been delivered. We still need additional
8 parts to be delivered for full assembly.
9 Construction of the crane has started for
10 the factory acceptance test, and that will
11 be done in Holtec's facility in Pittsburgh.
12 And then the engineering change package to
13 facilitate the installation at the site,
14 that has been started and that, that will be
15 completed in August.

16 And projected activities through
17 the end of July. Complete the crane
18 fabrication by June 1st. The factory
19 acceptance test is currently scheduled for
20 June 10th. And then the Hi-Lift will arrive
21 on site 7/8. I don't think we're going to
22 meet those dates. We're having some issues
23 with the materials being shipped from
24 overseas, I believe. So those dates will
25 slip. And I'll have a better idea at the

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

43

1 PROCEEDINGS MAY 19, 2022

2 July meeting of when we will do those three
3 activities. However, we're still confident
4 that, again, we'll meet the February '23
5 date.

6 If we turn the slide -- I'm sorry,
7 next slide.

8 The strand jacks will be used to
9 actually lift and lower the load. So the
10 strand jacks are in. There's only one
11 needed. There's two backups. And then the
12 outrigger arms are used to control the crane
13 operation. So those are all in. But
14 there's other parts that are needed that we
15 still have to wait on.

16 And then to the right of the
17 outrigger arms are the hydraulic power units
18 that will be used to control the, the
19 outrigger arms themselves.

20 So that's all I have for our first
21 critical path. And that's, again, our
22 critical path is pool to pad, October of '23
23 is our -- is our due date.

24 Are there any questions on pool to
25 pad before I go any further?

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

44

1 PROCEEDINGS MAY 19, 2022

2 MR. SIPOS: So Rich, I'm going to
3 read a question. There was a mention of
4 fuel on pad protected, but Holtec did not
5 specify what the fuel is protected from.
6 Could you describe, is it protected from --

7 MR. BURRONI: Sure. What happens
8 there --

9 MR. SIPOS: -- flying rupture,
10 fire or anything else?

11 MR. BURRONI: No. We have a
12 protected area of the site. Most of you
13 people who have been there, you punched in.
14 That protected area of the site shrinks down
15 to basically the two ISFSI pads, right. And
16 so that's what we call fuel on pad
17 protected, where the protected area of the
18 site is now minimized, just to protect the,
19 the fuel itself. Now, by protection we have
20 a full-blown security system, right, with
21 monitoring equipment, security housing
22 facility, that all comes with that.

23 MR. SIPOS: And that's on the
24 northern side of the site?

25 MR. BURRONI: Correct, it's on the

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

45

1 PROCEEDINGS MAY 19, 2022

2 north side. The, the existing, I guess I
3 should have shown it, I'm sorry, the new
4 ISFSI pad expansion is right next to the
5 existing ISFSI pad.

6 ASSEMBLYWOMAN GALEF: Sandy Galef
7 again. Maybe I should know this, what's the
8 helium driver, dryer?

9 MR. BURRONI: That's a good
10 question.

11 ASSEMBLYWOMAN GALEF: You said
12 they installed it.

13 MR. BURRONI: So what we did --

14 ASSEMBLYWOMAN GALEF: What's that
15 mean?

16 MR. BURRONI: -- is we dry out the
17 cask, we dry out the fuel, because it goes
18 in wet, right, it goes into the MPC wet. So
19 we use a Helium driver to higher -- Helium
20 dryer to totally evacuate any moisture out
21 of the cask itself. So we use a Helium
22 based system.

23 MR. WEBSTER: I have a couple of
24 questions. Richard Webster here.

25 First of all, you said you

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

46

1 PROCEEDINGS MAY 19, 2022

2 disabled the cooling system for a while and
3 used the backup. Does that mean that you
4 were without a backup for a while?

5 MR. BURRONI: The backup system
6 was mainly used during refueling outages if
7 we needed it, right. So right now we don't
8 need it, we have the normal system in place.

9 MR. WEBSTER: Right. But I heard
10 you when you were moving that line --

11 MR. BURRONI: We're going to. We
12 don't need it, and we're going to -- it's --
13 it was -- its components were where we're
14 going to install the Hi-Lift crane.

15 MR. WEBSTER: Right. So I
16 heard --

17 MR. BURRONI: So we're moving it.

18 MR. WEBSTER: I heard when you
19 were moving that you had to use the backup
20 system.

21 MR. BURRONI: We have multiple
22 other systems we can use for backup if we
23 had to.

24 MR. WEBSTER: Such as?

25 MR. BURRONI: Such as emergency

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

47

1 PROCEEDINGS MAY 19, 2022

2 pumps with emergency water sources we can
3 use if we had to. And that's all driven by
4 procedure.

5 MR. WEBSTER: Okay. Could you let
6 me have the procedure for --

7 MR. BURRONI: Sure.

8 MR. WEBSTER: -- for that? That
9 would be great, thanks.

10 One other thing. I have a couple
11 other questions. So one is, you know, I've
12 been out on the river, and you can clearly
13 see the ISFSI pad from the river. It always
14 struck me that we'd be a lot better
15 protected if we had -- if we took away the
16 line of sight from the river. Do you have
17 any plans to do that?

18 MR. BURRONI: I heard from the
19 last meeting we were potentially talking
20 about a berm.

21 MR. WEBSTER: Mm-hmm.

22 MR. BURRONI: I think if you look
23 at the east side of the, of the pad, we're
24 pretty well below grade. You may see up to
25 two feet on top of the, of the, of the

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

48

1 PROCEEDINGS MAY 19, 2022
2 canister when we're all said and done. The
3 north side we have the retaining wall plus
4 it's a, it's a wooded area on the north
5 side. And the south side is basically, I'd
6 say it's below grade.

7 So your concern is on the river
8 side?

9 MR. WEBSTER: Mm-hmm. And if you
10 think we can't see them, I'll offer you a
11 ride on the boat.

12 MR. BURRONI: I can't understand
13 you.

14 MR. WEBSTER: If you think we
15 can't see them, I'll offer you a ride on the
16 boat. We'll agree that we can see them, I
17 think, when you --

18 MR. BURRONI: Okay.

19 THE CHAIRPERSON: The Riverkeeper
20 boat.

21 MR. BURRONI: I can't understand
22 you.

23 THE CHAIRPERSON: The Riverkeeper.
24 He's offering you a ride on the Riverkeeper
25 boat --

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

49

1 PROCEEDINGS MAY 19, 2022

2 MR. BURRONI: Oh, sure.

3 THE CHAIRPERSON: -- so you can
4 see from the river.

5 MR. BURRONI: No, it's okay, I'll
6 pass. But I'll tell you --

7 MR. WEBSTER: It's a nice boat.

8 MR. BURRONI: -- there's no room
9 to put a berm there. However, and then we
10 also have to worry about line of sight for
11 safety of the security forces, for security.

12 MR. WEBSTER: Sure.

13 MR. BURRONI: Right. So
14 potentially, I think at Pilgrim they're
15 putting a line of trees there, so I'm going
16 to talk to them and see if potentially we
17 could do something. But I guess I'm more
18 worried about security than line of sight
19 and making sure that the guards, right, are
20 fully capable of seeing anybody who would
21 want to come into the area. Now, it'll be
22 fenced off, obviously, right.

23 MR. WEBSTER: Right.

24 MR. BURRONI: But, you know,
25 there's still a line of sight.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

50

1 PROCEEDINGS MAY 19, 2022

2 MR. SIPOS: I'm just saying that
3 there's a, there's a, there's a weakness
4 there as far as I can see in the security
5 system.

6 MR. BURRONI: The weakness being
7 what?

8 MR. WEBSTER: From, I mean, I
9 don't want to specify directly, but it seems
10 to me that if I was a malicious -- if I had
11 malicious intent and I was on a boat, I
12 could hit those, those casks.

13 MR. BURRONI: With?

14 MR. WEBSTER: With a missile.

15 MR. BURRONI: Okay. All right,
16 that's your opinion. I understand.

17 MR. WEBSTER: I mean, I don't
18 it's -- I don't think it's a controversial
19 opinion. Again, if you want to come to the
20 boat we can, we can look at it.

21 MR. BURRONI: No, that's okay,
22 I'll pass, thank you.

23 MR. WEBSTER: The final thing, so
24 I don't want to hog everybody's time here,
25 you mentioned monitors being installed on,

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

51

1 PROCEEDINGS MAY 19, 2022

2 on the ISFSI pad. What monitors are those?

3 MR. BURRONI: I'm sorry, I can't
4 understand you.

5 MR. SIPOS: So are monitors on the
6 ISFSI pad possibly for heat or radiation?

7 MR. BURRONI: Correct. So we'll
8 have probably TLVs, I believe, on the fence
9 line itself. But I can't get into all the
10 security installation that's going on right
11 now.

12 MR. WEBSTER: They're security
13 monitors, though, not environmental
14 monitors?

15 MR. BURRONI: There will be a
16 security system within the pad itself, yes.

17 MR. WEBSTER: Thank you.

18 MR. BURRONI: You're welcome.

19 Any other questions on fuel?

20 (No response.)

21 MR. BURRONI: Okay. Next slide.

22 SUPERVISOR LEVENBERG: Just one
23 quick question.

24 MR. BURRONI: I'm sorry.

25 SUPERVISOR LEVENBERG: Just one

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

52

1 PROCEEDINGS MAY 19, 2022

2 quick question.

3 THE CHAIRPERSON: Supervisor
4 Levenberg.

5 SUPERVISOR LEVENBERG: Thank you.
6 Supervisor Levenberg, thank you.

7 As you're pouring the pads, is
8 there any sort of testing that goes on to
9 make sure that they're -- that that's up to
10 standards so that they --

11 MR. BURRONI: Yeah. The test --
12 the concrete is tested prior to the pour,
13 through a slump test I believe is what it's
14 called.

15 SUPERVISOR LEVENBERG: And then
16 after the pour as well, I mean, is there
17 anything --

18 MR. BURRONI: After the pour is --

19 SUPERVISOR LEVENBERG: -- to make
20 sure that --

21 MR. BURRONI: I'll have to get
22 back to you on that.

23 SUPERVISOR LEVENBERG: Okay.

24 MR. BURRONI: Any other questions?

25 (No response.)

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

53

1 PROCEEDINGS MAY 19, 2022

2 MR. BURRONI: Okay. With that
3 said, the second critical path is vessel
4 segmentation, right. And much like the fuel
5 to pad, we have two separate sets of work
6 activities proceeding in each of the two
7 containment buildings. All right. Unit 3
8 is the primary unit at the present time, and
9 the Unit 2 work activities will trail that
10 by six to eight months.

11 So since the last Oversight Board
12 meeting, at Unit 2, we're talking about Unit
13 2 specifically now, we removed the feedwater
14 and main steam lines from the steam generators.
15 I'll show you a picture of that. We removed
16 insulation from the reactor cooling system
17 loops. We removed internal strand
18 structures from the reactor cavity. And we
19 completed the hatch enlargement and the
20 roll-up door installation, much like we have
21 at Unit 3.

22 And then projected activities
23 through the end of July, we should commence
24 cutting steam domes of the four steam
25 generators. I'll show you pictures of that

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

54

1 PROCEEDINGS MAY 19, 2022

2 and why we are doing it. And in fact we
3 started 21 system generator this week,
4 cutting its steam dome.

5 We will remove -- we will remove
6 additional cavity interferences. We are
7 going to commence cutting the RCS loops and
8 we'll demo the old equipment hatch.

9 Next slide.

10 So if you go into containment,
11 that's a typical steam generator. There's
12 four per unit. The insulation is stripped.
13 If you look at the picture on the left, I'm
14 sorry, so the insulation is stripped. The
15 bottom black pipe was the old feed line, and
16 the top pipe that came off the top of the
17 steam generator was the steam line. So we
18 are in the process of taking all of that
19 apart. Since we are PWR we're isolated in
20 the steam generator, at least from the top.
21 All that's coming out clean as a matter of
22 fact right now.

23 Next slide.

24 And then we've completed the
25 enlargement of the equipment hatch at Unit

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

55

1 PROCEEDINGS MAY 19, 2022

2 2. We used the same diamond wire cutting
3 technique that was used in Unit 3. It's a
4 water cooled system. That limited or we
5 generated absolutely no dust. And then we
6 also kept the building at a negative
7 pressure, so that all air flow is inside the
8 building and not out. All right, so that
9 equipment hatch is now complete at both
10 units.

11 Next slide, please.

12 So now I'll transfer over to Unit
13 3, right. So all four steam generator domes
14 have been cut. Three of the eight RCS loops
15 have been cut and isolated from the reactor.
16 The old equipment hatch has been
17 disassembled and disposed of.

18 The missile shield blocks have
19 been removed and disposed of. So the
20 missile shield blocks are actually a series
21 of concrete, huge concrete blocks on top of
22 the reactor through a support system. Those
23 are all been removed and disposed of.

24 The Nuclear Instrumentation
25 Detectors, you might have heard the term

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

56

1 PROCEEDINGS MAY 19, 2022

2 NIs, they have been removed and they're
3 being disposed of.

4 We've commenced installation of
5 the transport system, and that system is
6 going to be used to transport heavy loads
7 out of the containment. And then we have
8 commenced training of individuals and those
9 responsible for segmentation activities.

10 And then the projected activities
11 through the end of July, we'll complete the
12 transport system and remove the steam
13 generator domes. We'll complete the
14 segmentation team training. We'll ship the
15 segmentation tooling following the training
16 to the site. We'll continue with the RCS
17 loop cuts. And we'll prep for tooling and
18 support structure installation and the
19 reactor cavity. So the next set of pictures
20 are -- will help explain all this.

21 Next slide.

22 If you really focus on the middle
23 picture first, that's the diamond wire rope
24 that we use. It's also has the ability to
25 cut through steel. So we not only used it

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

57

1 PROCEEDINGS MAY 19, 2022
2 to cut through the containment structure,
3 we're also using it to cut through the
4 steel, the steel of the steam generators,
5 the upper halves. And then you can see the
6 picture on the right hand side, within,
7 within the orange paint is where we actually
8 did the cuts. So all four steam generators
9 in Unit 3 have now been cut.

10 Next picture. Next slide, I'm
11 sorry.

12 So we're in the process of
13 installing this transport system. So the
14 top picture is of a picture of the plan and
15 the bottom picture is a, is a picture within
16 section. So if you look at it, right, we'll
17 remove the top of the steam generators, put
18 them on this rail system, and transport
19 these top of the steam generators out of the
20 building with what's called a Goldhofer.
21 It's a, it's a multi-wheeled transporter
22 that will bring the steam domes to what
23 we'll call a rad pen. These are coming out
24 clean, all right. Then we'll, we'll cut up
25 the metal and dispose of the metal that way.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

58

1 PROCEEDINGS MAY 19, 2022

2 And the reason why we're doing that, and
3 I'll show it to you probably in July, is it
4 will allow us to set up working platforms
5 within containment to do the segmentation.
6 It's kind of hard to explain that without
7 showing these pictures but there's just none
8 available right now, right. But at the end
9 of the day the reason why we are doing that
10 is just to facilitate the segmentation
11 process itself.

12 Next slide.

13 All right, so the slide on the
14 left shows the gapping that we're doing.
15 We're isolating the reactor vessel itself
16 from the rest of the reactor coolant system.
17 So we'll put a plug on the reactor coolant
18 side and just a steel plate on the steam
19 generator side. All these, all the loops
20 have been drained, right. So the picture on
21 the right is actually the plug that will go
22 into one of eight legs that come out of the
23 reactor itself. There's four hot legs and
24 four cold legs, right. So that will allow
25 us, again, to isolate the reactor vessel.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

59

1 PROCEEDINGS MAY 19, 2022

2 And then when we flood up the cavity to do
3 the actual cutting, everything will stay
4 intact and we won't transport any other
5 fluids, additional fluids throughout the
6 system.

7 Next slide.

8 So this is just the, the
9 segmentation support structure that's being
10 shipped to the site. It's from Canada.
11 We've gotten most of the pieces for Unit 3
12 and more to follow.

13 Next slide.

14 So what you see in here is a
15 mockup of the reactor cavity in Canada.
16 That's where we're doing the -- that's where
17 we're doing the testing and that's where the
18 system is being manufactured. Right, so
19 we'll install this, this system in the
20 cavity, and that's going to facilitate the
21 cutting of the reactor vessel itself and its
22 internals.

23 Next slide.

24 All right, so here's the series of
25 pictures. Actually if you start with the

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

60

1 PROCEEDINGS MAY 19, 2022
2 one on the left, right, it's actually a saw
3 blade. We'll use three different types of
4 saw blades, a 72 inch, a 60 and a 44, I
5 believe, those are the three sizes, right.
6 And you can see we're practicing. The wood
7 is actually a simulation of the reactor
8 internals, all right. So we're actually
9 practicing first. The team that's going to
10 actually do the, the segmentation itself is
11 up there in training right now.

12 So we'll start on wood. So we'll
13 do horizontal cuts. And then if you look at
14 the middle picture, it's kind of hard to
15 see, but we'll actually do vertical cuts
16 within the vessel itself. And so after
17 we're done practicing on the wood frame,
18 we'll transfer over to some metal cutting,
19 and that's the metal pieces of saw cutting,
20 that's the picture on the right. So
21 training is scheduled to be completed by the
22 end of this month.

23 So that wraps up my discussion on
24 vessel segmentation pending any questions.

25 Tom.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

61

1 PROCEEDINGS MAY 19, 2022

2 THE CHAIRPERSON: Yeah, Tom.

3 MR. CAREY: Thank you, Rich. Tom
4 Carey.

5 MR. BURRONI: Hi, Tom.

6 MR. CAREY: So just thinking about
7 the older generators like the ones, the ones
8 we took out of Unit 2, they're probably
9 roughly twenty years old.

10 MR. BURRONI: Yeah.

11 MR. CAREY: Right. Why are those
12 in a vault and these new ones are just going
13 to get shipped out, they don't have to
14 remain on site for any period of time?

15 MR. BURRONI: Well, actually the
16 ones in the vault had to be replaced because
17 of steam generator leaks we had in years
18 past, right. So that's why they're, that's
19 why they're in the mausoleum, so to speak.

20 These are being cut, again, to
21 facilitate a platform that we'll need to
22 house some of this equipment, right, for
23 vessel segmentation, right. So we're able
24 to cut those domes, right, and the steam --
25 the steam side is basically, right. The

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

62

1 PROCEEDINGS MAY 19, 2022
2 ones in the mausoleum had tube leaks, right,
3 that contaminated the internals of those
4 steam generators, right. So these are clean
5 compared to what's in the mausoleums
6 themselves.

7 MR. CAREY: Okay.

8 MR. BURRONI: Then there's a whole
9 process we are going to go through. We're
10 bringing in a couple different vendors onto
11 as to how we can clean those steam
12 generators in the mausoleums.

13 MR. CAREY: And the same goes for
14 the reactor, there's going to be no --

15 MR. BURRONI: The reactor is going
16 to be cut up, yeah, it's going to be cut up.
17 And some of this, some of the -- there's
18 three different levels of waste, which
19 require three different types of canisters.
20 So when those come in, and as we cut the,
21 the vessel itself and the internals, they'll
22 go into canisters, and those canisters will
23 get shipped to Texas.

24 MR. CAREY: Okay. But they --

25 MR. BURRONI: By rail and road.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

63

1 PROCEEDINGS MAY 19, 2022

2 MR. CAREY: But they will be
3 radioactive, right, the reactor --

4 MR. BURRONI: Yeah, but they're in
5 the cask. I mean, it's just like we ship
6 radioactive waste now.

7 MR. CAREY: Okay. Thank you.

8 MR. BURRONI: Oh, you're welcome.
9 Anything else on vessel seg?

10 THE CHAIRPERSON: John.

11 MR. SIPOS: And Rich, it's
12 actually not the vessel but it's the steam
13 generator. And just following up on a
14 question you had, so what about the tubes
15 inside the existing --

16 MR. BURRONI: That's a good
17 question.

18 MR. SIPOS: -- steam generator?

19 MR. BURRONI: So we're cutting
20 above the tubes.

21 MR. SIPOS: Okay.

22 MR. BURRONI: Right. And we'll
23 put a -- we are going to weld a, a lid --

24 MR. SIPOS: Like a cap.

25 MR. BURRONI: -- on top of that.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

64

1 PROCEEDINGS MAY 19, 2022

2 And then we'll keep that side full of water
3 for dose controls. Water is our friend,
4 right?

5 MR. SIPOS: Right. And then, and
6 then the tubes will then be treated?

7 MR. BURRONI: Right. Eventually
8 we'll get down to the, as we go through the
9 decommissioning process we'll get to those
10 later on, right, but not initially.

11 MR. SIPOS: Okay. Thank you.

12 MR. BURRONI: You're welcome.

13 ASSEMBLYWOMAN GALEF: Could I
14 follow up on -- Sandy Galef. So when the,
15 your waste, which I guess is low level waste
16 that's going to Texas, is it low level?

17 MR. BURRONI: It's -- yeah.

18 ASSEMBLYWOMAN GALEF: It's low
19 level.

20 MR. BURRONI: You know, there's,
21 there's, there's different levels, right.

22 ASSEMBLYWOMAN GALEF: Right.

23 MR. BURRONI: There's low-level
24 and there's Alpha waste, there's Bravo
25 Charlie waste and then there'll be greater

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

65

1 PROCEEDINGS MAY 19, 2022
2 than class C, right. And we'll handle all
3 of those accordingly with the reg, with the
4 reg requirements. Alpha and Bravo Charlie
5 can be shipped to Texas.

6 ASSEMBLYWOMAN GALEF: Okay. So
7 it's being shipped. Is that, is that the
8 waste that's going to Connecticut first?

9 MR. BURRONI: I'm sorry, can you
10 repeat that?

11 ASSEMBLYWOMAN GALEF: Is it going
12 to Connecticut first, is it being shipped --

13 MR. BURRONI: Okay, so we use
14 Connecticut -- that's a good question. So
15 we use Connecticut as a rail spur.

16 ASSEMBLYWOMAN GALEF: Right.

17 MR. BURRONI: And that's where
18 we'll transfer the load from a flatbed to a,
19 to a flat -- to a flat car, right, yeah. So
20 we'll use both methods, rail and road, to
21 ship any kind of waste.

22 ASSEMBLYWOMAN GALEF: Okay.

23 THE CHAIRPERSON: Dana.

24 SUPERVISOR LEVENBERG: You talked
25 about the missile shield blocks being

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

66

1 PROCEEDINGS MAY 19, 2022
2 removed and disposed of. Are there missile
3 shield blocks that will be -- I assume is
4 that, that was for security for the reactor?

5 MR. BURRONI: No.

6 SUPERVISOR LEVENBERG: Okay.

7 MR. BURRONI: It's just a term we
8 use. The missile shield blocks -- that's
9 another term we use too. When the reactor
10 was operational, right, we had what was
11 called the bed spring. The bed spring would
12 come down, right, and all the connections to
13 the control rod system, the rod position
14 indication system, went all through this bed
15 spring, right. And on top of that metal
16 structure or that metal configuration was,
17 is all I-beams and cable, we put these
18 missile blocks, right. And that was for
19 missile generation if you had an ejected
20 rod accident, right. So we no longer need
21 those missile blocks. I know it's, it's a
22 term that people are scratching their head,
23 I get it. But we no longer need them.

24 SUPERVISOR LEVENBERG: Okay. And
25 then the, I'm curious why you need to

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

67

1 PROCEEDINGS MAY 19, 2022

2 practice the cuts.

3 MR. BURRONI: That's a good
4 question. I mean, practice makes perfect.
5 It's kind of the first evolution that our
6 people are getting involved with, right. So
7 there's a, there's a methodology on how to
8 run this saw. You just can't plunge into
9 the metal and expect it to work, you've got
10 to -- and it's kind of a delicate operation
11 to begin with, right.

12 SUPERVISOR LEVENBERG: So there
13 are people, like, who will be in somewhere
14 working, you can't see them?

15 MR. BURRONI: There will be
16 people --

17 SUPERVISOR LEVENBERG: Where?

18 MR. BURRONI: -- activating,
19 operating the stores, removing -- stores --
20 the saws remotely over these platforms that
21 I was talking about.

22 SUPERVISOR LEVENBERG: Got it. So
23 they're not -- there's nobody that's
24 actively in there.

25 MR. BURRONI: Yeah, they're not

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

68

1 PROCEEDINGS MAY 19, 2022

2 going to be on top of the saw, no.

3 SUPERVISOR LEVENBERG: Not on top
4 of it but in the -- are they inside the
5 reactor?

6 MR. BURRONI: I'm sorry?

7 SUPERVISOR LEVENBERG: Are they in
8 the reactor, are they inside?

9 MR. BURRONI: No. No, no, no.
10 They'll be on the platform. And that's why
11 they need that working platform, right, so
12 they can control the saw.

13 SUPERVISOR LEVENBERG: I see. And
14 how are they protected, how are they
15 protected from any nuclear --

16 MR. BURRONI: The dose rates,
17 we'll have the cavity -- we'll have the
18 cavity filled to the top with water just
19 like we do for every refueling.

20 SUPERVISOR LEVENBERG: Okay.

21 MR. WEBSTER: Which I think
22 answers my question, which is, so you flood
23 it up, but then you cut it down, you, you
24 reduce the amount of water, right, is that
25 the way it works?

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

69

1 PROCEEDINGS MAY 19, 2022

2 MR. BURRONI: We're probably going
3 to cut the vessel dry. Everything internal
4 to the vessel, right, will be cut under
5 water. But it comes a point in time where
6 you have to cut the vessel dry, because if
7 you don't then you'll just flood out the
8 whole containment building.

9 MR. WEBSTER: Yeah.

10 MR. BURRONI: Anything else on
11 seg, segmentation?

12 (No response.)

13 MR. BURRONI: Okay, let's go to
14 building demolition.

15 I mean, again, since March 17th
16 when I talked to the Oversight Board we
17 talked about building demolition activities,
18 and they are in progress, along with several
19 tanks no longer needed to support the
20 facility. So our concentration is really on
21 those tanks and buildings outside the
22 protected area, just for ease of access for
23 the demo crews. And then following the fuel
24 on pad protected, when the protected area
25 shrinks for the site, we'll have more access

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

70

1 PROCEEDINGS MAY 19, 2022

2 or easier access to some of the larger
3 buildings.

4 And so with that said, since our
5 last Oversight Board meeting we demo'd a
6 security checkpoint building that was used
7 for Unit 3 years ago. That's been removed.
8 The No. 11 fuel oil storage tank is
9 demolished and we're placing that metal into
10 containers. And the gas turbine oil tank,
11 again, I'll show you pictures here, that's
12 been cleaned and ready for demo. The other
13 major contractor on site is Champion.
14 They've been doing most of this demo work
15 and we've had no issues with them either, so
16 they're working out well.

17 Projected activities through the
18 end of July. It's going to be the No. 12
19 fuel oil storage tank. We've already
20 started taking that down. The gas turbine
21 complex, which is actually across the
22 street, we used to house gas turbines back
23 in the day that were no longer used for many
24 years, we're going to take that down.

25 Then we have some metal enclosures

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

71

1 PROCEEDINGS MAY 19, 2022
2 or metal buildings. One was a Unit 3
3 hazardous waste building. I don't want to
4 get people alarmed about that. But any
5 fluorescent light or any waste oil or any
6 cleaners are what we call hazardous waste,
7 we'll clean out that building accordingly
8 and then we'll take it down.

9 The training center fire water
10 storage tank and its diesel, we need to
11 remove that to support storing some of our,
12 our radioactive waste before it gets
13 shipped. And then too one warehouse and
14 then we have actually a boathouse that we
15 store our boat in.

16 So if you turn the page, next
17 slide. Top left was the security shack that
18 we took down. And you can see that's down
19 by the blank picture next to it.

20 Next slide.

21 So this is the big building demo
22 that we are doing so far. That's the No. 12
23 -- No. 11 tank. It's been there. It used
24 to house No. 6 oil. That was used to super
25 heat steam in Unit 1 years ago. So right

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

72

1 PROCEEDINGS MAY 19, 2022
2 now we've been -- we cut that all up. We're
3 putting the pieces -- it was -- I'm sorry.
4 Before we cut it we had Clean Harvest come
5 in and clean out the tanks accordingly. So
6 we are cutting up the steel now and shipping
7 that steel out.

8 Next slide.

9 That's the next tank we'll hit.
10 That was -- that was a diesel oil tank that
11 we used for our emergency diesels. That was
12 part out of our tech specs that we required
13 that tank. That tank's been cleaned, right,
14 and it's ready to come down. That will come
15 down next after the No. 12 fuel oil tank.

16 Next slide.

17 That's the next tank that will
18 come down. It doesn't look like that right
19 now. It's just about I'd say halfway done,
20 right, and we should finish that up over the
21 next two weeks.

22 Next slide.

23 That's the gas turbine complex,
24 that's across the street from us, right next
25 to the switch yard, the Buchanan switch yard

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

73

1 PROCEEDINGS MAY 19, 2022
2 that's owned by Edison, right. So we're --
3 that will be the next project that we take
4 to take all these buildings down. Those are
5 all metal buildings, there's no concrete
6 there.

7 Next slide.

8 That's the hazardous waste
9 building we're taking down. Again, another
10 metal enclosure.

11 And then the next slide is the
12 fire water storage tank for the training
13 building that we're no longer using.

14 Next slide.

15 Next slide. Thank you.

16 All right, so we're taking down
17 that tank also, right. And that will help
18 us with loading some of our waste casks into
19 a flex building.

20 So that's all I have for building
21 demo through the end of July. We have a
22 schedule in place to take down additional
23 structures. Not all the buildings, though,
24 but we have a schedule in place through the
25 third quarter of 2024.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

74

1 PROCEEDINGS MAY 19, 2022

2 I talked last time about the
3 domes. We're still on a ten to twelve year
4 projected time frame to take those down.
5 But I just want to be clear that we are
6 taking buildings down external to some of
7 the larger buildings around the site. So
8 that's going pretty well right now.

9 That's all I have on building demo
10 pending any questions.

11 (No response.)

12 MR. BURRONI: All right. So I, I
13 touched upon this briefly before in the
14 meeting. These are basically the exemption,
15 the exemption requests that we have placed
16 with the NRC. So the exemption process is
17 in accordance with 10 CFR 50.11, right,
18 which is entitled Exceptions and Exemptions
19 for License Requirements, Licensing
20 Requirements, and then it kicks you out to
21 10 CFR 50.12.

22 Most of these are big -- let's say
23 not most. I'd say three out of the five are
24 really based on the zirc fire window. So
25 what's that. The zirc fire window is a

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

75

1 PROCEEDINGS MAY 19, 2022
2 period of time where you can lose -- you can
3 expose the fuel in your spent fuel pool for
4 ten hours without a zirc fire reaction. So
5 Zircaloy metal is the -- is the metal that's
6 used to encapsulate the fuel pellets in the
7 fuel cell.

8 So based on zirc fire
9 calculations, right now, actually August 1st
10 of this year is when we meet that ten year
11 requirement. So none of these dates reflect
12 August 1st because when we submit the LARs
13 we have a discussion with the NRC. They
14 have a workload schedule, much like any one
15 of us. So what they project is the return
16 dates based on their review cycle. Now, I
17 understand the state reviews these also and
18 they may object to them. So we'll just
19 follow the process and we'll see what the
20 NRC says at the end of the day.

21 MR. SIPOS: And, Rich, just, this
22 is John Sipos, just one clarification, I
23 think you said ten year. I think you meant
24 ten hour.

25 MR. BURRONI: We'll meet the --

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

76

1 PROCEEDINGS MAY 19, 2022

2 we'll meet the --

3 MR. SIPOS: On the zirc, I think
4 it was on the window, you said it was a ten
5 year --

6 MR. BURRONI: The zirc fire window
7 says --

8 MR. SIPOS: Right.

9 MR. BURRONI: -- now you got me
10 confused, John. The zirc fire window says
11 that you can expose your fuel, right, for
12 ten hours without a zirc fire reaction, not
13 ten -- did I say ten years?

14 MR. SIPOS: I think at one
15 point --

16 MR. BURRONI: I apologize.

17 MR. SIPOS: -- you inadvertently
18 probably did.

19 MR. BURRONI: I apologize for
20 that, right. So we'll meet that, that, that
21 ten hour requirement come August 1st.

22 So really the actuality of this,
23 right, is if the NRC had additional
24 resources and we -- if they approve the
25 exemption request we could go into the PDEP

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

77

1 PROCEEDINGS MAY 19, 2022

2 August 1st. But they don't have the
3 resources to, to meet that requirement.

4 So any questions on NRC
5 inspections and activity?

6 MR. WEBSTER: Yeah, I mean -- this
7 is Richard here. So the, the thing I find
8 strange about this exemption thing is that
9 people talk about them as though the NRC
10 regulations are like ridiculously tight and
11 so therefore we need an exemption. I guess
12 that isn't my experience. So can you, can
13 you motivate a little bit more, particularly
14 on the emergency planning --

15 MR. BURRONI: Sure.

16 MR. WEBSTER: -- why you'd want to
17 go worse --

18 MR. BURRONI: The exemption
19 process --

20 MR. WEBSTER: -- than the NRC
21 regulation.

22 MR. BURRONI: We're not the only
23 plant in the country --

24 MR. WEBSTER: No, I know.

25 MR. BURRONI: -- that's filing,

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

78

1 PROCEEDINGS MAY 19, 2022

2 that's filing exemptions.

3 MR. WEBSTER: I know.

4 Are all plants exceptional?

5 MR. BURRONI: Right. All plants
6 are doing it.

7 MR. WEBSTER: Are they all
8 exceptional?

9 MR. BURRONI: Uh?

10 MR. WEBSTER: Are they all
11 exceptional?

12 MR. BURRONI: Are they all
13 exceptional?

14 MR. WEBSTER: All they all
15 exceptional.

16 MR. BURRONI: I can't answer that
17 question for all of them.

18 MR. WEBSTER: In other words,
19 don't you agree with me that a regulation
20 should only -- an exemption should only be
21 granted when there's an exceptional
22 circumstance?

23 MR. BURRONI: I can just tell you
24 this. We're following the process. We're
25 following the process that the NRC gives us

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

79

1 PROCEEDINGS MAY 19, 2022

2 to file these exemptions.

3 MR. WEBSTER: I understand that.

4 MR. BURRONI: The state has all
5 the right in the world to, to comment on
6 those and push back. And I'm sure they
7 will, right? But at the end of the day it's
8 the NRC who will grant the exemption or not.

9 MR. WEBSTER: Right. But Mr.
10 Burroni, you know, we have, we have citizens
11 here in the room, we have them on the line,
12 they look at this and say this is crazy.
13 And you're not really helping, honestly.

14 MR. BURRONI: I --

15 MR. WEBSTER: You're just saying
16 the NRC will give it to us so we want it.

17 MR. BURRONI: I didn't say they'll
18 give it to us, I said they'll review it.

19 MR. WEBSTER: Well, you're saying
20 if the NRC will give it to us, we'll take
21 it. But why don't you tell the citizens why
22 they'll still be safe?

23 MR. BURRONI: What I tell the
24 citizens is this, is that we need to
25 understand there's a paradigm shift here,

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

80

1 PROCEEDINGS MAY 19, 2022

2 right. We're going from power operation to
3 decommissioning, right. It will take ten
4 hours, right, for no fuel in the pool to
5 have the zirc reaction.

6 MR. WEBSTER: Correct.

7 MR. BURRONI: Hold on, let me
8 finish, right. I'm confident we have
9 procedures in place, right, that if anything
10 were to happen to those pools we'll get
11 water in the pool, right, by procedure,
12 right, that so we won't have the zirc fire
13 reaction. Those are the rules, right. And
14 that's what every other nuclear plant in
15 this country follows. They follow all the
16 -- they follow 10 CFR 50.

17 MR. WEBSTER: But aren't the
18 regulations written for defueled reactors?

19 MR. BURRONI: I'm sorry?

20 MR. WEBSTER: Aren't those
21 regulations, that you're trying to get an
22 exemption from, written for defueled
23 reactors?

24 MR. BURRONI: All reactors are
25 defueled.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

81

1 PROCEEDINGS MAY 19, 2022

2 MR. WEBSTER: I know. So why
3 don't you follow the NRC rules?

4 MR. BURRONI: Because the NRC,
5 they want to change all the exemption
6 requests. They don't want to see exemption
7 requests either. They want to do a whole
8 rule change. But that's all -- that's,
9 that's getting reviewed now too.

10 We're not doing anything different
11 than any other nuclear plant in this country
12 is doing. And so we need to recognize the
13 paradigm shift.

14 MR. WEBSTER: I guess what we're
15 saying is don't go to loan -- lowest common
16 denominator. Be the best in the country.

17 (Applause.)

18 MR. BURRONI: Anybody clapping for
19 me?

20 (Laughter.)

21 MR. BURRONI: No. I'm just
22 telling you what the rules are, right?

23 MR. WEBSTER: I know what the
24 rules are.

25 MR. BURRONI: Okay, fine.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

82

1 PROCEEDINGS MAY 19, 2022

2 MR. WEBSTER: But I still don't
3 know why you want to do this. I mean,
4 that's what, that's what I don't understand.
5 You're complaining about decommissioning.

6 MR. BURRONI: That's a good
7 question, right. Right. So we're taking on
8 all the risk, Holtec is taking on all the
9 risk. And they're telling you we'll get
10 this facility back to the village, to the
11 Town of Cortlandt in twelve to fifteen
12 years. If we want to keep all of these
13 rules in place, that's not going to happen,
14 right. So don't you want the plant -- don't
15 you want the, the, the acreage to come back
16 to the village, it's going to go back to the
17 town so they can repurpose it to build up
18 their tax base.

19 MR. WEBSTER: With respect --

20 MR. BURRONI: In a safe manner.

21 MR. WEBSTER: With respect, I
22 think your cost estimate showed that you
23 have a surplus if you get -- if you bring
24 this in at --

25 MR. BURRONI: Right.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

83

1 PROCEEDINGS MAY 19, 2022

2 MR. WEBSTER: -- at budget, you'd
3 have a surplus of around \$400 million.

4 MR. BURRONI: And we're taking on
5 all the risk.

6 MR. WEBSTER: And I'm asking
7 you --

8 MR. BURRONI: I don't see anybody
9 else taking the risk --

10 MR. WEBSTER: And I'm asking you,
11 you could use a little bit of that surplus
12 to keep the emergency planning going.

13 MR. BURRONI: Okay, fine. I
14 understand your comment. But I'll tell you
15 also, Holtec has taken on all the risk to
16 take these buildings down. I don't see
17 anybody else volunteering to do that.

18 MR. WEBSTER: Okay. If the
19 decommissioning fund runs out of money, who
20 will replace you?

21 MR. BURRONI: I don't think it
22 will. That's what --

23 MR. WEBSTER: Yeah, the --

24 MR. BURRONI: That's what the
25 whole due diligence was about.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

84

1 PROCEEDINGS MAY 19, 2022

2 MR. WEBSTER: You're saying you're
3 taking on all the risk. If the
4 decommissioning fund runs out of money, who
5 will replenish it?

6 MR. BURRONI: Let me ask you a
7 question. If you don't allow us this
8 exemption request, there's a higher chance
9 that we'll run out of money than we won't.

10 MR. WEBSTER: Are you saying if
11 you don't get that request you'll run out of
12 money?

13 MR. BURRONI: I'm just saying it
14 allows us to do this decommissioning in a
15 shorter time frame.

16 MR. WEBSTER: Are -- you haven't
17 shown that at all. If you can show that,
18 that'd be interesting. But why don't you
19 come back and show why that's true.

20 MR. BURRONI: You know what, we
21 can agree to disagree, that's fine.

22 MR. WEBSTER: No, these are facts,
23 you're telling me facts.

24 MR. BURRONI: Yeah, I'm telling
25 you facts.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

85

1 PROCEEDINGS MAY 19, 2022

2 MR. WEBSTER: These are facts.

3 MR. BURRONI: I'm telling you the
4 facts is this, right. In accordance with
5 the federal regulations we're allowed to
6 file exemption requests.

7 MR. WEBSTER: I know that.

8 MR. BURRONI: And if -- I can't
9 help it if people don't like that. We're
10 within -- we're within the regulations and
11 the requirements of the National -- of the,
12 of the NRC.

13 MR. WEBSTER: No, we never
14 -- that --

15 MR. BURRONI: You might not like
16 that but -- and that's fine, I understand
17 your opposition.

18 MR. WEBSTER: What I'm saying is,
19 you have a choice here, it seems to me,
20 right, you have a choice. You can either
21 meet the NRC regulations for defueled
22 reactors on emergency planning, or you can
23 file an exemption request.

24 MR. BURRONI: Correct.

25 MR. WEBSTER: Right? And what I'm

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

86

1 PROCEEDINGS MAY 19, 2022
2 asking you is, why have you decided to file
3 an exemption request? As far as I can tell,
4 it's because you want to save money.

5 MR. BURRONI: Absolutely.

6 MR. WEBSTER: Okay.

7 MR. BURRONI: And we're taking all
8 the risk.

9 MR. WEBSTER: We could --

10 MR. BURRONI: I don't see anybody
11 else taking the risk here.

12 (Audience participation.)

13 MR. BURRONI: No, you're not.

14 MR. WEBSTER: Well, with respect,
15 with respect --

16 THE CHAIRPERSON: We're going
17 to --

18 MR. BURRONI: Yeah, we don't want
19 to argue, do we?

20 MR. WEBSTER: I don't want to
21 argue either but I just want to say that
22 look --

23 MR. BURRONI: I'll still go on
24 your posts, trust me.

25 MR. WEBSTER: The community, the

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

87

1 PROCEEDINGS MAY 19, 2022
2 community live around the plant, they want
3 it done as safely as possible. I just ask
4 you to have a think about how you're doing
5 it.

6 MR. BURRONI: Okay, fine.

7 MAYOR KNICKERBOCKER: Richard, I
8 think we have that all established. It's
9 the mantra of the safe decommissioning and
10 site restoration. So I hear it from you and
11 I hear from many people, you have issues
12 with the NRC. So the way we handle that is
13 we go to our elected officials on the
14 federal level, and if we want to see change
15 from the NRC, then we need to go to the
16 federal people, who have not really been
17 involved in this whole process. Crickets.
18 And for years. So I think the people that
19 have a problem with the NRC, please, because
20 we've come to these local meetings all the
21 time, please, please, please go to the
22 federal officials and vent your frustrations
23 there with that. Because, you know, yes,
24 fortunately we have the state overseeing
25 this too. But it's, I constantly hear the

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

88

1 PROCEEDINGS MAY 19, 2022

2 NCR, the NCR. But you know what, nothing is
3 going to get done if you want to see change
4 there unless we go to their bosses.

5 MR. WEBSTER: Yeah, but Holtec are
6 here. They're the ones making this choice.

7 MAYOR KNICKERBOCKER: Well, then
8 the NRC will approve it or not, right?

9 MR. WEBSTER: Correct.

10 MAYOR KNICKBOCKER: You know what
11 I'm saying? So but if we have a problem
12 with NRC procedures, like say if they do the
13 exemptions and the people who are anti-NRC,
14 then, you know, we can't keep beating the
15 same drum, we have to go to the NRC or to
16 their bosses and say look, we're not happy
17 with X, Y, Z.

18 MR. WEBSTER: Right.

19 MAYOR KNICKBOCKER: And plus
20 especially now with the rule changes too
21 that are going through.

22 MR. WEBSTER: That's why I think
23 we need to do it now.

24 MAYOR KNICKBOCKER: Yeah, you
25 know. It's just, you know, I just, it's

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

89

1 PROCEEDINGS MAY 19, 2022
2 just I constantly hear it, and it's like --

3 MR. WEBSTER: Yeah.

4 MAYOR KNICKBOCKER: -- if we want
5 change then we have to make change happen.

6 MR. WEBSTER: Agreed.

7 MR. BURRONI: Listen, I'm not --

8 MAYOR KNICKBOCKER: Richard and I
9 agreed on something, I want to note that
10 tonight, I want that on record.

11 MR. BURRONI: I'm not here to
12 argue. I'm just telling you the, the rules
13 that we're following.

14 THE CHAIRPERSON: Well,
15 Richard --

16 MR. BURRONI: And I could
17 understand that you're not in compliance
18 with that, and I understand. But I'm just
19 telling you, you know, we're doing what
20 every other nuclear plant in this country is
21 doing.

22 THE CHAIRPERSON: And look, and
23 Richard, you acknowledged as well we are
24 going to disagree. And there's a venue at
25 the NRC for us to make our case --

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

90

1 PROCEEDINGS MAY 19, 2022

2 MR. BURRONI: Absolutely.

3 THE CHAIRPERSON: -- on the facts
4 and on the merits, and that's what we'll do.
5 I take Theresa's point as well with respect
6 to NRC rules, where we have problems with
7 those, to work with our federal partners.

8 I think we need to move it along
9 due to the time check.

10 MS. WILLIAMS: Dave Lochbaum
11 raised his hand.

12 THE CHAIRPERSON: Oh, he did?
13 Dave, do you want to give it a
14 shot?

15 Thank you, Courtney.

16 MS. WILLIAMS: Yup.

17 THE CHAIRPERSON: Dave, if you can
18 hear us you can try to chime in.

19 MS. WILLIAMS: I think we can't
20 hear him.

21 MR. LOCHBAUM: These regulations
22 are designed for operating reactors, not
23 defueled reactors. That's why Holtec and
24 everybody else has to get exemptions,
25 because the regulations really don't apply

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

91

1 PROCEEDINGS MAY 19, 2022
2 in that situation. The NRC started its rule
3 making process in 2015, and they're still
4 not done with it. They basically put it on
5 a shelf for several years, for reasons
6 unknown. And that's what's forcing
7 everybody into this awkward situation
8 because the NRC is not doing its job.

9 THE CHAIRPERSON: Dave, we heard a
10 portion of that, I'm sorry, there's a,
11 there's a big echo. And, you know, we've
12 got a presentation that's supposed to be
13 made virtually as well. I think our AV
14 technical staff is going to try to turn the
15 mics off here for that part of the
16 presentation. If it doesn't work we're
17 going to have to apologize to our friends at
18 Columbia and we may not be able to proceed.

19 So Tom Carey, go ahead.

20 MR. CAREY: I'm just curious if
21 any of the presenters online have something
22 that they can email to somebody here that we
23 could read off if that would work.

24 THE CHAIRPERSON: That's a
25 terrific idea, Tom, thank you.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

92

1 PROCEEDINGS MAY 19, 2022

2 Hey, Dave Lochbaum, if you could
3 just put your comments into an email to John
4 Sipos, John will read that in to, to the
5 record here. We really appreciate that.

6 And I'm, I'm very sorry to
7 everyone in the audience and online for
8 these technical difficulties.

9 MS. WILLIAMS: Is the speaker on
10 that computer turned on, because the -- it
11 should, only the microphone should be on on
12 that computer that you've got that
13 microphone pointed to.

14 THE CHAIRPERSON: If the AV team
15 could please come out and do a check here.

16 MS. WILLIAMS: Because that's what
17 creates the echo is that the speaker, the
18 microphone is picking up the speaker from
19 the computer and the microphone -- so if
20 there's a microphone on the --

21 THE CHAIRPERSON: We'll check on
22 that. That's a good, good thought.

23 You're getting some advice up here
24 on what --

25 (Pause in the proceedings.)

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

93

1 PROCEEDINGS MAY 19, 2022

2 THE CHAIRPERSON: I appreciate
3 everyone's patience while we test out some
4 new approaches here to see if we can get
5 this working.

6 And while we're, while we're
7 waiting, just as a time check for the group,
8 either the Columbia students will be able to
9 present in a way where we can hear it, or
10 they won't. If they can't and we can't hear
11 it, we'll cancel that portion of the
12 meeting. But if they can, I'm going to
13 recommend that we postpone the emergency
14 preparedness presentation to another
15 meeting, because we're an hour over, and I
16 don't want to short shrift the community
17 guest speaker or the public statement
18 portion of the meeting. Is that all right
19 with the group? One or the other parts of
20 the presentation are going to have to be
21 postponed.

22 MR. KACZMAREK: Dave, we're going
23 to try you one more time here if you can try
24 speaking here.

25 MR. LOCHBAUM: Hi, yes, this is

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

94

1 PROCEEDINGS MAY 19, 2022
2 David Lochbaum. I was just commenting that
3 in 19 -- in August of 1999, the NRC staff
4 identified 34 sections of the regulations
5 that did not apply to permanently shutdown
6 reactors. But they did nothing with that
7 knowledge for decades. It wasn't until 2015
8 that they started a rule making process to
9 correct all those known problems. Then the
10 NRCs suspended that effort after collecting
11 comments from the industry and the public
12 and the states and so on, and they're still
13 not done with that. As a result, Holtec and
14 other owners are being forced to seek
15 exemptions to rules that the NRC knows don't
16 apply during decommissioning. It's an
17 awkward process for everybody, but the bad
18 guy in the town is the NRC, which simply
19 doesn't do their job.

20 THE CHAIRPERSON: Thank you, Dave.
21 Rich, do you want to continue?

22 MR. BURRONI: Just the last slide.
23 And so on this last slide, really
24 it was -- okay, really the last slide just
25 talks to correspondence we've had with

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

95

1 PROCEEDINGS MAY 19, 2022
2 multiple state agencies. So there's
3 multiple bullets here, but so you've gone
4 over most of them. I'll just go over three
5 of them real quick.

6 We did work on extensively with
7 the Columbia grad students on the BV school
8 monitoring program, we are happy to help.
9 We want to work on at least a monitor, air
10 monitoring system and some type of radiation
11 monitoring system, so we'll continue to work
12 with them and get that installed.

13 We are working on a property
14 allowance south of the plant for the Town of
15 Cortlandt for access to a future recreation
16 facility, we are happy to help there.

17 And then the last bullet I'll
18 bring up is --

19 THE CHAIRPERSON: Rich, if you
20 hold, please.

21 Advance the slides, please.

22 STAFF PERSON: Tom, this is Joe
23 (inaudible) you sound very far away.

24 THE CHAIRPERSON: Joe, I'm
25 speaking into the mic. If you could advance

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

96

1 PROCEEDINGS MAY 19, 2022

2 the slides, please.

3 I really don't know who has the
4 presentation. It's not working, the slides
5 aren't advancing.

6 MR. WEBSTER: Rich, while we're
7 waiting for the slides if I can ask you one
8 last question, I promise, last question.

9 THE CHAIRPERSON: Please do.

10 MR. BURRONI: Are you going to
11 hand shake at the end of this?

12 MR. WEBSTER: Yeah, absolutely.
13 Okay. I know that there's a number of
14 operating experience sharing organizations
15 like IMPEL and so forth for operating
16 reactors. Is there such an organization for
17 decommissioning, and if so, is Holtec a
18 member?

19 MR. BURRONI: Yeah, absolutely.
20 Holtec is doing a lot of that. So
21 obviously, right, let's just be honest here,
22 there was a lot of issues at Diablo Canyon
23 when they were doing some of their
24 defueling, right. So from that operating
25 experience they totally revised our

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

97

1 PROCEEDINGS MAY 19, 2022
2 procedures. Before Holtec came on, we
3 casked 54 casks with our procedures. But when
4 they came on they noticed that, hey, all
5 these problems we're having, these
6 procedures need to be enhanced. So just
7 from that operating experience alone they
8 totally revised our, our off-loading
9 procedures. We never had an issue, and they
10 just enhanced them even more based on
11 operating experience.

12 MR. WEBSTER: Right. But that
13 was, but that's internal Holtec operating
14 experience, right?

15 MR. BURRONI: Yeah. Well, plus we
16 have a -- we haven't stopped the corrective
17 action process either.

18 MR. WEBSTER: Right.

19 MR. BURRONI: Which looks at
20 operating experience from other facilities,
21 right. So we, we have that, and we -- we, I
22 have an individual that mines operating
23 experience and will talk about it at least
24 twice, three times a week.

25 MR. WEBSTER: Okay, thanks.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

98

1 PROCEEDINGS MAY 19, 2022

2 MR. BURRONI: You're welcome.

3 All right, so this last, this last
4 slide, we covered most of these bullets up
5 front, but I'll just cover the first one and
6 the last two. And I'll cover the last one
7 last -- the first one last.

8 So we've worked extensively with
9 the Columbia grad students, we're happy to
10 help. So we'll come up with the, through --
11 through what they were recommending we'll
12 look at the proper amount of monitoring
13 program for the BV school. It'll look at
14 particulate and they called it VOCs, which
15 was greases and oils and stuff like that.

16 MS. WILLIAMS: Volatile organic
17 compounds.

18 MR. BURRONI: I'm sorry?

19 MS. WILLIAMS: Volatile organic
20 compounds.

21 MR. BURRONI: Thank you very much,
22 I appreciate that. And so we'll work with
23 that. And then we want to, we want to try
24 to install some type of real-time online rad
25 monitoring system to avoid cartridges being

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

99

1 PROCEEDINGS MAY 19, 2022

2 sent out. I think some type of real-time
3 monitoring system would be, would be better,
4 so we'll work with them on that.

5 The last bullet, we're working on
6 property allowance for south of the plant,
7 right, for the Town of Cortlandt to have
8 access to a new recreation facility that
9 they're looking at.

10 So I left the first bullet for
11 last because I know there's, there's passion
12 here. So we did sign an MOU with Hol --
13 Holtec, yeah, with Enbridge on the, on the
14 gas lines that go through the site, all
15 right. And I'll specifically -- I'll, I
16 think it's important that I read this so
17 everybody is on the same page. It was
18 signed off by myself and Mr., I'm sorry, Mr.
19 Wooden, who's the vice president at
20 Algonquin.

21 So it notes the following, right.
22 (Reading:) During the term, as defined
23 below, and the term is one year, so long as
24 the steel plates remain in their current
25 place, the five day advance notice described

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

100

1 PROCEEDINGS MAY 19, 2022
2 in section one here of the Joint Proposal
3 shall not be required for any heavy load
4 pipeline crossing. Where possible, if heavy
5 load pipeline crossings using a steel plate
6 can be avoided, and an alternate traffic
7 pattern can be employed, HDI is committed to
8 do so.

9 HDI site engineering will perform
10 weekly inspections to ensure the
11 configuration of the air bridge remains
12 unchanged. These inspections will be
13 captured in HDI's corrective action program.
14 Which it is. So I have an engineer going up
15 there once a week at least.

16 Algonquin will perform periodic
17 inspections of the air bridge, and should a
18 change to the air bridge configuration be
19 seen, it shall immediately notify HDI of the
20 change. If configuration change were to
21 occur, this has been noticed by -- if a
22 configuration change were to occur that has
23 been noticed by HDI or Algonquin, all
24 traffic across the air bridge will
25 immediately cease until corrections are made

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

101

1 PROCEEDINGS MAY 19, 2022
2 by HDI to Algonquin's satisfaction. Any
3 loads crossing the 26 and 30 inch pipelines
4 that are in excess of 136,000 pounds gross
5 weight will require that HDI provide
6 Algonquin five days advance notice of such
7 crossing. Within five days of such
8 notification from HDI, Algonquin shall
9 provide a written response to HDI either
10 approving of the crossing or requesting any
11 necessary modifications.

12 Nothing in this MOU is intended to
13 alter HDI or other notice obligations under
14 the Joint Proposal, including providing
15 required notices to the New York Department
16 of Public Service and Algonquin for other
17 activities being performed in proximity to
18 the pipeline.

19 So just let me just add something
20 real quick that when we, when we taking down
21 the fuel oil tanks, we did contact Algonquin
22 just to make sure they had no issues with us
23 doing that, and we got the approval from
24 them.

25 So term. This MOU is effective on

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

102

1 PROCEEDINGS MAY 19, 2022
2 the effective date and shall terminate after
3 one year. The parties may agree to extend
4 the term for an additional one year period
5 in a writing signed by both parties and upon
6 terms agreeable to the parties.

7 And so we were happy to put this
8 MOU in place. We have recently spoken to
9 Enbridge about a modification, a permanent
10 modification to the steel plate. They still
11 came back with us using the use steel plates
12 plus some underground changes. I don't like
13 that. I think, I think we can go further
14 and put a more robust system in to avoid
15 steel plates in the future. So we're still
16 working with them. But I think it's
17 important that we know that we have
18 continuing dialogue with Enbridge to make
19 this issue be resolved long term. Also, we
20 have periodic meetings with the state and --
21 and Enbridge, and that's been proven to be
22 pretty good opening the lines of
23 communication.

24 That's all I have for --

25 THE CHAIRPERSON: Thank you, Rich.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

103

1 PROCEEDINGS MAY 19, 2022

2 MR. BURRONI: -- respondents, and
3 if there are any other questions.

4 THE CHAIRPERSON: Any questions?
5 Sandy.

6 ASSEMBLYWOMAN GALEF: So Rich,
7 since you read that into the record, I would
8 assume we can all get a copy of it?

9 MR. BURRONI: Sure.

10 THE CHAIRPERSON: We'll post it
11 online. Thank you.

12 ASSEMBLYWOMAN GALEF: Thank you.

13 THE CHAIRPERSON: Any other
14 questions for Rich?

15 (No response.)

16 THE CHAIRPERSON: Okay. Let me
17 just say, the technical difficulties we're
18 having are profoundly embarrassing, and I'm
19 very sorry to the audience for these
20 difficulties. It's got to be an enormously
21 stressful time for our technical team, so I
22 want to be kind. But we will obviously get
23 to the bottom of this to ensure it doesn't
24 happen again, and hopefully we'll simply do
25 our meetings entirely in person. Two, in

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

104

1 PROCEEDINGS MAY 19, 2022
2 their defense, they recommended against
3 doing a hybrid meeting for this very reason.
4 We, we insisted trying to accommodate it.
5 They tested it last week, it worked. It's
6 obviously not working tonight. So I'm very
7 sorry.

8 But with that said, I'm going to
9 skip the presentation on emergency
10 preparedness. We were able to hear -- I'm
11 sorry, before I get to that, we're going to
12 accelerate on the agenda the public
13 statement portion of the meeting. We'll
14 start with those individuals who are here in
15 person. I'm going to ask Tom Kaczmarek to
16 facilitate that if he's able, to take the,
17 the list of people in the order in which
18 they registered. Tom?

19 MR. KACZMAREK: Thanks, Tom. I
20 hope everyone can hear me okay here.

21 THE CHAIRPERSON: We can.

22 MR. KACZMAREK: I'm going to try
23 the mic up there just in case.

24 THE CHAIRPERSON: You've got a --

25 MR. KACZMAREK: Thank you. Okay,

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

105

1 PROCEEDINGS MAY 19, 2022
2 so can everyone hear me clearly? Okay. So
3 individuals who did register ahead of the
4 meeting will be given an opportunity to
5 speak. You should have received a card when
6 you arrived telling you what order you'll be
7 presenting in. But in case not, let me
8 just, Ms. Marilyn Elie, if you're in the
9 audience, you're the first speaker.

10 THE CHAIRPERSON: She's not here.

11 MR. KACZMAREK: She's not? Marie
12 Inserra is next. Marie, if you'd like to
13 come up to the podium here.

14 And just, while she's coming up to
15 the microphone, just a reminder there will
16 be a three minute time limit for each, for
17 each speaker. We will begin with those in
18 person, and we'll, we'll see if it allows
19 for those joining remotely later. But with
20 that, again, Ms. Inserra, you're welcome to
21 begin.

22 MS. INSERRA: Okay, thank you. My
23 name is Marie Inserra. I live in Peekskill.
24 I'm a member of several environmental
25 organizations.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

106

1 PROCEEDINGS MAY 19, 2022

2 I guess the first question in
3 light of the previous discussion, it did get
4 a little heated, reasonably so, I question
5 whether a congressional representative can
6 be involved in these meetings on a regular
7 basis. I know we're in a state of upheaval
8 right now in terms of Congressman Jones
9 continuing as our representative, but I
10 think that would be an appropriate addition.

11 And I think I just want to
12 reiterate concerns over a number of the
13 details involved in decommissioning that we
14 are -- we have discussed before. Regarding
15 the use of the thin wall casks, when Europe
16 is using far thicker casks, especially given
17 the fact that those seem to be utilized
18 because of the, quote, "transportability."
19 And I have serious concerns at the idea of
20 transporting radioactive material via rail
21 or water past all the municipalities that it
22 would pass by. I don't see that that's ever
23 going to be something that people will
24 accept. So if they're going to be on site,
25 basically indefinitely, then maybe a better,

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

107

1 PROCEEDINGS MAY 19, 2022

2 a more robust cask would be the better
3 choice. Thanks.

4 THE CHAIRPERSON: Thank you.
5 Susan?

6 MS. SPEAR: I just want to say
7 that Joe Shapiro from Senator Gillibrand's
8 office has been participating in every one
9 of these meetings.

10 THE CHAIRPERSON: Thank you,
11 Susan.

12 MR. KACZMAREK: All right, next up
13 we have John Sullivan.

14 MR. SULLIVAN: Hi. Thank you for
15 having us.

16 Just three quick questions before
17 I start. Tom, you talked about the question
18 and answers that's from the previous meeting
19 that was posted two weeks ago, whatever.

20 THE CHAIRPERSON: Yes.

21 MR. SULLIVAN: For John Sipos.
22 I'm assuming that, that the DOB will make
23 known which agencies are dealing with the
24 exemptions from the state level as well as
25 the NRC? You said the state agencies, so --

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

108

1 PROCEEDINGS MAY 19, 2022

2 MR. SIPOS: Yes.

3 MR. SULLIVAN: -- I think there's
4 several.

5 MR. SIPOS: So the short answer to
6 your --

7 MR. SULLIVAN: Homeland Security,
8 DEC.

9 MR. SIPOS: The short answer to
10 your question is yes, it will be made known
11 as to what state agencies are involved.
12 Sometimes there are individual state
13 agencies, sometimes there's a consortium,
14 and oftentimes they are facilitated through
15 the New York State Energy Research
16 Development Agency. Alyse Peterson is here.
17 And so there are a variety of ways that
18 comments go in. And when the comments go
19 in, they can be publicized.

20 MR. SULLIVAN: Okay, all right.
21 Thank you.

22 And the other one is for Rich, and
23 it was just that I -- the understanding is
24 the ten hour window, Zyrtec (sic) window?

25 MR. SIPOS: Zirc, Zircaloy fire.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

109

1 PROCEEDINGS MAY 19, 2022

2 MR. SULLIVAN: Right. That means
3 that the cask, the cask can -- not the cask,
4 the rods can be exposed for ten hours
5 outside of water before there's a concern of
6 fire?

7 THE CHAIRPERSON: Rich, why don't
8 you come on up to the mic.

9 MR. BURRONI: So the zirc fire
10 window --

11 MR. SULLIVAN: Zirc.

12 MR. BURRONI: -- it says you can
13 expose your fuel in the spent fuel pool for
14 ten hours without the Zircaloy cladding of
15 the fuel assembly degrading, right. So
16 that's the, that's --

17 MR. SULLIVAN: You're exposing it
18 to what, I don't get that.

19 MR. BURRONI: If the level in the
20 spent fuel pool --

21 MR. SULLIVAN: The water level.
22 So if the water goes down --

23 MR. BURRONI: You have twenty feet
24 on top the zirc -- on top of the zirc -- on
25 top of the fuel assembly tank.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

110

1 PROCEEDINGS MAY 19, 2022

2 MR. SULLIVAN: Right.

3 MR. BURRONI: Right. If I start
4 losing that water and I expose the fuel --

5 MR. SULLIVAN: Okay.

6 MR. BURRONI: -- right, I come to
7 a point in time where for ten hours I can
8 expose that assembly --

9 MR. SULLIVAN: Right.

10 MR. BURRONI: -- without it
11 degrading.

12 MR. SULLIVAN: Okay.

13 MR. BURRONI: So that's the zirc
14 fire window, that's what we call it.

15 MR. SULLIVAN: And you are
16 exposing it to the air?

17 MR. BURRONI: Correct.

18 MR. SULLIVAN: Otherwise the water
19 bathes and keeping it there, okay. All
20 right, that was my question.

21 I have a prepared statement.
22 Basically it's just thanking you guys for
23 all the work that you do. I'm asking you to
24 somehow try to fit in, instead of a public
25 comment section that you fit in a question

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

111

1 PROCEEDINGS MAY 19, 2022
2 and answer for each presentation, because we
3 are left with a lot of unanswered questions,
4 mysterious sorts of things, especially with
5 Rich and all the procedures that go on. And
6 I think that was pretty much it. Just our
7 hope that is the public becomes more
8 educated and engaged as we go on. So thank
9 you.

10 THE CHAIRPERSON: Thank you.

11 MR. KACZMAREK: Next up we have
12 Courtney Williams.

13 MS. WILLIAMS: I'm going to keep
14 this super short because I'm going to be
15 presenting later. I had a specific question
16 in the memorandum of understanding that you
17 just read to us. Did it say that if you
18 keep the plates in place you no longer need
19 to do the five days notification to
20 Enbridge? Wasn't the joint agreement that
21 that had to be in place, and can Enbridge
22 and Holtec just decide to not comply?

23 THE CHAIRPERSON: So there's a
24 limit, and you'll see this when we post the
25 MOU, there was a weight limit that was

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

112

1 PROCEEDINGS MAY 19, 2022
2 identified by Enbridge for the crossings,
3 and an agreement that the steel plates were
4 sufficient to carry that load. And so for
5 any load that's below that weight limit, the
6 notice is deemed to have been made. If they
7 had a crossing that exceeded that limit,
8 then notification would get triggered and
9 that would have to be reviewed to determine
10 if the mitigation measures were still
11 sufficient.

12 MS. WILLIAMS: Okay, thank you.

13 And then I am also participating
14 on Webex so I can ask my questions into the
15 chat, but I'm also in touch with community
16 members who are very much in favor of you
17 guys figuring out how to make hybrid work,
18 because we still have folks that are not
19 able to attend in person and they would like
20 the opportunity to continue to participate
21 that way.

22 And then the other is when we get
23 presentations from Holtec, it would be
24 really great to have a subject matter expert
25 that could compare and contrast their

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

113

1 PROCEEDINGS MAY 19, 2022
2 proposed plans with best practices. Because
3 I think the, and Richard brought up some of
4 this, I think the public is not always aware
5 of what is the best practice for this
6 process. And they need to -- we need to
7 make sure to educate them that what Holtec
8 wants to do, their decisions on based on
9 financials and not public safety. So there
10 should be a voice that makes clear what best
11 practices would entail so that the public
12 can adequately advocate for that.

13 And I would also like to strongly
14 object to the idea that it is Holtec that is
15 assuming the risks for decommissioning
16 Indian Point. Because if the s-h-i-t hits
17 the fan, it is most definitely the taxpayers
18 that are going to be holding the bag. And
19 that comment set my phone on fire from other
20 parents in the school district with children
21 at Buchanan-Verplanck Elementary, 4,000 feet
22 from the containment zone, and from other
23 community members who are engaged in this
24 process. So that's really absurd, because
25 both with our health, with our safety, and

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

114

1 PROCEEDINGS MAY 19, 2022

2 with our pocket books, we are assuming that
3 risk. Thank you.

4 THE CHAIRPERSON: Thank you.

5 MR. KACZMAREK: Next we have Susan
6 Van Dolsen. Is Susan with us tonight?

7 THE CHAIRPERSON: I think Susan
8 is -- Susan is online.

9 MS. WILLIAMS: She's online.

10 THE CHAIRPERSON: Let's stay with
11 continue in person for now.

12 MR. KACZMAREK: Yes. Manna Jo.

13 MS. GREENE: Thank you, if you can
14 see me over the dais. Manna Jo Greene. I'm
15 the environmental director for Hudson River
16 Sloop Clearwater. And I've been following
17 this process for the twenty years that I
18 have been at Clearwater, intensely since
19 9/11. I just have a couple of things.

20 First of all, I want to say that
21 this is the national model. The
22 Decommissioning Oversight Board in New York
23 is the envy of the rest of the country that
24 has reactor communities. And, and that with
25 that comes a lot of responsibility but also

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

115

1 PROCEEDINGS MAY 19, 2022

2 a lot of opportunity for good communication
3 and the best possible outcome.

4 The, this discussion about the
5 exemption request I think needs to be a
6 clear presentation. I only got the
7 information today, and I've read through it
8 a couple of times and I don't understand it,
9 and I have good background to understand it.
10 So perhaps Dave Lochbaum at the next meeting
11 could go over that. That's a suggestion.

12 And the other question I have is
13 about the resident inspector and when they
14 will be hired and brought on.

15 And then I, I just want to say
16 again, because I wasn't able to attend the
17 meeting, but I think Assemblywoman Galef
18 expressed her concern about the workers that
19 had been promised to be kept on. Not only
20 is it a question of a just transition, but
21 it's also a question of the institutional
22 memory that the workers that had been at the
23 plant as long as they have and the value
24 that that could have provided.

25 And the last thing I'm going to

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

116

1 PROCEEDINGS MAY 19, 2022

2 say, and I expect to repeat it many times.
3 That facility is ideal for a transition to a
4 renewable energy economy. And, and Mayor is
5 shaking her head.

6 MAYOR KNICKERBOCKER: Yeah,
7 because we've had, we've had the
8 conversation about the, the solar panels and
9 things like that. You know what, this
10 property hasn't been accessible to the
11 public for sixty years. So, and what we're
12 understanding with solar panels, unless they
13 can put them on top rooftops like they did
14 with our Sheetrock plant, you know, but to
15 take up that property, that whole property,
16 which you would need a substantial amount of
17 property, would be a waste. And not only
18 that, for the community that's hurting with
19 this closure, they wouldn't get the return
20 that they really need and deserve to have.
21 So that's -- we've had that discussion
22 before about solar panels.

23 MS. GREENE: Okay. Let me just
24 finish my thought.

25 MAYOR KNICKERBOCKER: Okay, sure,

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

117

1 PROCEEDINGS MAY 19, 2022

2 no, no, I'm sorry, I apologize.

3 MS. GREENE: That's okay. I don't
4 think that from PSDAR that this site will be
5 cleaned up enough for public use. And
6 that's why the fact that the grid
7 infrastructure is in place, if you combined
8 solar with battery backup, I think that
9 would be an ideal future use. Because I --
10 if I thought that it could be cleaned up to
11 a standard for a higher use. But also we
12 really need to meet the goals of the Climate
13 Act, and that will include the need for vast
14 amount of renewable energy with storage to
15 ensure reliability.

16 And I think I've probably used my
17 three minutes. But thank you.

18 THE CHAIRPERSON: Thank you, thank
19 you very much.

20 MAYOR KNICKERBOCKER: Thank you.

21 MR. KACZMAREK: Thank you.

22 Finally for in person is Tina
23 Volz-Bongar.

24 MAYOR KNICKERBOCKER: And I just
25 want to say while Tina is coming up that the

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

118

1 PROCEEDINGS MAY 19, 2022
2 future use of the pros -- of the property is
3 still, you know, we'll know in ten to twelve
4 years, so thank you.

5 THE CHAIRPERSON: It will be the
6 subject of many more --

7 MAYOR KNICKERBOCKER: Many more
8 meetings.

9 THE CHAIRPERSON: -- discussions,
10 yes.

11 MAYOR KNICKERBOCKER: Yes, many
12 more meetings.

13 THE CHAIRPERSON: Welcome, thank
14 you.

15 MS. VOLZ-BONGAR: Hi, welcome.
16 I'm from Peekskill, and I am a climate
17 reality leader trained by Al Gore. So after
18 I deliver this very dismal message about the
19 climate I say, as he, as he does, here's the
20 good news; we can do something about it,
21 okay. So I am very interested in what our
22 emergency response is going to be, because
23 many of us living in the community -- and
24 Ms. Knickerbocker, I've been dying to tell
25 you this for years.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

119

1 PROCEEDINGS MAY 19, 2022

2 MAYOR KNICKERBOCKER: Okay.

3 MS. VOLZ-BONGAR: I can see Indian
4 Point from my second floor window, even
5 though I live in Peekskill. My mother has
6 in her living room and thing, we live with
7 Indian Point. So anyway. And here's the
8 good news; we can do something about it.

9 And what I wanted to say is that
10 here we have an emergency response but we
11 don't have a risk assessment. Right now on
12 the docket, and you're all members of the
13 Decommissioning Oversight Board, there is
14 1,080 letters on the docket. Have you read
15 them? Okay, most of them tell you to shut
16 down the pipeline while dangerous
17 decommissioning activities are happening.
18 And Ms. Knickerbocker --

19 MAYOR KNICKERBOCKER: Yes.

20 MS. VOLZ-BONGAR: They're
21 addressed to, to Pete Buttigieg.

22 MAYOR KNICKERBOCKER: Okay.

23 MS. VOLZ-BONGAR: We're working
24 with --

25 MAYOR KNICKERBOCKER: The

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

120

1 PROCEEDINGS MAY 19, 2022

2 transportation, he's the head of
3 transportation who's responsible for the
4 pipeline, yes.

5 MS. VOLZ-BONGAR: Who is
6 responsible.

7 MAYOR KNICKERBOCKER: Absolutely.

8 MS. VOLZ-BONGAR: So when you say
9 do the advocacy, we are on it.

10 MAYOR KNICKERBOCKER: Good, no,
11 I'm glad.

12 MS. VOLZ-BONGAR: And you may not
13 hear that at public meetings and everything,
14 but we are on it. And the issue that we
15 have is that not many other agencies are.
16 Because they say, you know, that's out of
17 our jurisdiction. And you know this,
18 Mr. Sipos, you know this, Tom Congdon,
19 because I've asked you, begged you really,
20 you know, you can do something about this.
21 Please do.

22 And anyway, so when we understand
23 what is going to be the emergency response,
24 it's got to be -- include the colocation
25 emergency response. A vapor cloud and how a

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

121

1 PROCEEDINGS MAY 19, 2022
2 vapor cloud would impact those rods. On my
3 tour of Indian Point I happened to tell you
4 this, that I lost somebody that I knew in
5 9/11, and the risk assessment for those
6 buildings is that a plane could hit them,
7 and they could. But they did not assess the
8 jet fuel taking that steel down. And so we
9 owe it to ourselves to have the proper
10 federal risk assessment, please. And that
11 is something everybody on this committee can
12 do. You can tell Geri Shapiro and Mondaire
13 Jones. And I know you do that,
14 Assemblymember Galef, and I'm so grateful,
15 and if I haven't told you enough, I'm
16 grateful for you doing that.

17 And anyway, that's all I have to
18 say, thank you.

19 THE CHAIRPERSON: Thank you.

20 MS. VOLZ-BONGAR: And you can do
21 something about this.

22 THE CHAIRPERSON: Tom, do you want
23 to try any of the speakers that are online?

24 MR. KACZMAREK: I think we can --
25 do you mean public speakers --

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

122

1 PROCEEDINGS MAY 19, 2022

2 THE CHAIRPERSON: Right.

3 MR. KACZMAREK: -- or -- we can
4 give it a try. Just give me a moment,
5 there's a little bit of triage we have to do
6 here.

7 THE CHAIRPERSON: For those of you
8 listening in online, we're going to attempt
9 to call on members of the community who
10 requested to provide a statement. We'll try
11 it with the first person, and if it doesn't
12 work we'll then attempt to go to the next
13 item on the agenda, which will be the
14 presentation from Columbia, which will be
15 virtual. So we'll test that out.

16 MR. KACZMAREK: Okay. Joe, would
17 you be able to test out your audio here and
18 introduce the speakers who are joining
19 remotely?

20 STAFF PERSON: No problem. Can you
21 hear me okay?

22 THE CHAIRPERSON: It's very quiet,
23 Joe.

24 STAFF PERSON: Can you hear me okay,
25 Tom?

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

123

1 PROCEEDINGS MAY 19, 2022

2 THE CHAIRPERSON: Yes, that's
3 good, yup.

4 STAFF PERSON: Tom, can you hear me?

5 MR. KACZMAREK: Yes, we can hear
6 you.

7 STAFF PERSON: Okay, good. Thank
8 you, sorry about that. I made a few
9 attempts to -- so the first person that I
10 see is Jacqueline Dreschler; is that
11 correct, did I say that correct? Let me see
12 if I can unmute her.

13 SUPERVISOR LEVENBERG: Can they
14 switch the screen from the timer? I thought
15 I saw them before.

16 STAFF PERSON: I keep pressing it, I
17 cannot unlock the speaker for some reason,
18 it's not working. There's a setting.

19 MS. DRECHSLER: Can you hear me?

20 STAFF PERSON: There you are.

21 MS. DRECHSLER: Yes, I'm -- I'm
22 here, thank you. Okay, great.

23 STAFF PERSON: Thank you very much.

24 MS. DRECHSLER: So thanks for
25 having us here. And unfortunately there's

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

124

1 PROCEEDINGS MAY 19, 2022

2 fourteen minutes missing where everything
3 went dead, and then other minutes missing,
4 so I hope this was recorded so that --

5 STAFF PERSON: Can you speak -- can
6 you please give your name for the court
7 reporter so that --

8 MS. DRECHSLER: Yes. It's
9 Jacqueline, Jacqueline Dreschler. I live in
10 Valley Cottage, New York. I'm also speaking
11 for my twin sister, Jocelyn DeCrescenzo.

12 STAFF PERSON: Thank you.

13 MS. DRECHSLER: Did you hear what
14 I said at the very beginning?

15 STAFF PERSON: We did, yes, thank you
16 very much.

17 MS. DRECHSLER: Okay.

18 STAFF PERSON: And I apologize for
19 the delay.

20 MS. DRECHSLER: Well, and was this
21 recorded? Because I -- there was fourteen
22 minutes missing from the middle of this
23 entire presentation. Hello?

24 THE CHAIRPERSON: We have a court
25 reporter and the meeting is being recorded.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

125

1 PROCEEDINGS MAY 19, 2022

2 I, you know, given the technical --

3 (Cross talk.)

4 MS. DRECHSLER: Okay.

5 THE CHAIRPERSON: -- difficulties,
6 you know, I can't make any promises.

7 (Cross talk.)

8 MS. DRECHSLER: Okay. I'd like to
9 get a copy of this so I can find those
10 missing minutes. It's kind of like
11 Watergate.

12 (Laughter.)

13 MS. DRECHSLER: Okay, so back on
14 March 25th I was on a Texas call with
15 Dr. Habib from the NRC and a whole bunch of
16 other people regarding Holtec, who is asking
17 for an exemption request, an emergent
18 exemption request on the Certificate of
19 Compliance to not inspect wells on casks
20 they found a one inch leak. So I'm really
21 concerned about exemptions. And that's
22 number one.

23 Number two, I do believe that I've
24 also heard that Holtec is planning on
25 dumping radioactive wastewater into Cape Cod

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

126

1 PROCEEDINGS MAY 19, 2022
2 Bay, and I wanted to just say that this is
3 not acceptable. We know if they get away
4 with doing that they're going to do it here.
5 And the Woods Hole Oceanographic Institute,
6 a fellow from there has said that the
7 testing of water needs to be before, during
8 and after releases, and testing must be done
9 well and independently and, quote, "you need
10 some assurance that Holtec doesn't take the
11 sample out of a rain barrel", because that's
12 what one could do.

13 So I'm also very upset that this
14 whole issue of line of sight and berms is
15 being totally dismissed by Mr., is it
16 Burroni? I, Mr. Burroni, I just have to say
17 I think that your dismissal of Richard
18 Webster's discussion about that and your
19 flat out saying there's no room, and the
20 fact that you totally dismissed going out on
21 a boat to see what we're talking about is
22 just so rude, I -- I cannot believe you.

23 I am very concerned about where
24 the disposal items are going to be disposed
25 of. And so that's, that's for starters. I

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

127

1 PROCEEDINGS MAY 19, 2022

2 know I don't have much time left. But I'm
3 very concerned about the emergency planning
4 and the fact that there never seems to be
5 any.

6 I'm also totally infuriated by
7 Holtec's actually admitting on this call
8 that they are just in it for the money,
9 because that's what they say.

10 And I'm also concerned that there
11 was no chat, no participant list, no
12 helpline number to call. I, I don't know
13 why you continue to use Webex when the whole
14 world uses Zoom very easily, because this
15 has been the most unprofessional and
16 incompetent hearing I've ever participated
17 in. These get worse and worse and worse.
18 And I'm sorry I have to say that, but that's
19 what's happening. It's been the most
20 frustrating experience. And I'm really
21 upset with, especially this other lady also
22 being dismissive. I don't even know her
23 name because people aren't introducing
24 themselves, and I don't have any video to
25 see if anyone who's speaking. So I'm in the

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

128

1 PROCEEDINGS MAY 19, 2022

2 dark here, and I am very concerned about
3 that. Thank you.

4 MR. KACZMAREK: Joe, who's next,
5 please?

6 STAFF PERSON: I'm looking to see
7 who's here. I'm not able to search them for
8 some reason, but I'm looking.

9 MR. KACZMAREK: Joe, can you go to
10 Susan Van Dolsen next, please?

11 STAFF PERSON: Susan, what is the
12 last name, please?

13 MR. KACZMAREK: Van Dolsen.

14 MS. VAN DOLSEN: Can you hear me?

15 MR. KACZMAREK: Yes, we can.

16 MS. VAN DOLSEN: Thank you.

17 Thanks for holding the meeting.

18 And I will reiterate what others
19 said. Here we are, trying to avoid getting
20 COVID. I had breast cancer this year, and I
21 did not want to attend in person. And I
22 don't think it's very nice when people say
23 well, hopefully next time everyone will come
24 in person, because some people cannot or
25 choose not to. So you have to improve your

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

129

1 PROCEEDINGS MAY 19, 2022
2 system. This is not user friendly. That's
3 an understatement. But anyway, thank you
4 now for allowing me to speak.

5 I was -- I was preparing other
6 things to say, but after hearing Mr. Burroni
7 I have to -- I have to say it's been
8 extremely disappointing. These exemptions
9 that are being requested, after reading the
10 article recently in The Washington Post
11 about Holtec's practices and what's been
12 going on elsewhere, and then his attitude
13 tonight about, you know, who's taking risk,
14 well, the public is taking more risk than
15 you are. It's your money, but it's our
16 lives. Like, this is unbelievable, the
17 attitude. I feel as if they're cutting
18 every corner. It's all the things that
19 we've been worrying about when we heard
20 Holtec was going to do the decommissioning.
21 And here we are hearing a gentleman at a
22 meeting, where he's supposed to reassure us,
23 admitting that all they want to do is hurry
24 up and get the site back so people can use
25 it, when we know very well it's going to

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

130

1 PROCEEDINGS MAY 19, 2022
2 take many, many, many years, if ever, and
3 there's toxic, you know, spent fuel there.
4 In fact, in the article in The New
5 York -- in The Washington Post it says some
6 nuclear safety advocates are saying the NRC
7 is being too deferential to Holtec.

8 Years of research shows plants are
9 still vulnerable to a disaster after they
10 shut down. And staff reports the NRC has
11 said severe accidents can result from
12 mishandling spent fuel rods, and that sites
13 storing nuclear waste remain vulnerable to
14 sabotage. We need to address all the
15 vulnerabilities and not dismiss it and say
16 that Holtec is taking risk because of money.
17 What a disgusting way to look at this. How
18 can we go to these meetings and be reassured
19 that we're being thought -- people who live
20 here are being cared about at all. The
21 arrogance is just beyond me.

22 I, I don't know what else to say.
23 It's, NRC is very much a captured agency, we
24 all know that. And Holtec in this article
25 and all of the things I've read about Holtec

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

131

1 PROCEEDINGS MAY 19, 2022

2 for years now, I have no confidence, and I'm
3 terrified.

4 So thanks for letting me speak. I
5 don't know if I can attend these meetings
6 anymore. The frustration level and stress
7 is just too much. Thank you.

8 MR. KACZMAREK: Thank you. With
9 that we're actually going to move on to the
10 next portion of the meeting. We're turning
11 it over to two gentlemen --

12 STAFF PERSON: Tom.

13 MR. KACZMAREK: Yes.

14 STAFF PERSON: We have, we have
15 another speaker.

16 MR. WEBSTER: Yes, there's
17 Marilyn, Marilyn Elie on the line. She was
18 registered to speak.

19 STAFF PERSON: Oh, okay, I apologize.

20 MR. WEBSTER: We --

21 MR. KACZMAREK: So Reuben and
22 Santiago, if you can hear me can you try
23 unmuting? I believe I just gave you the
24 presentation controls.

25 MR. GOH: That's right, yeah, we

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

132

1 PROCEEDINGS MAY 19, 2022

2 -- I can hear you. Do I sound all right on
3 your end?

4 MR. KACZMAREK: Yes, we can hear
5 you.

6 MR. GOH: Santiago, do you want to
7 give it a try?

8 MR. OLIVA: Hello, and can you
9 hear us, can you hear?

10 MR. KACZMAREK: Yes, we can.

11 THE CHAIRPERSON: Thank you.

12 MR. OLIVA: Perfect. And so let's
13 go in the name of the time.

14 First of all, thank you so much
15 for giving us the opportunity to talk to all
16 of you. And we are going to present to you
17 about the risk assessment and monitoring
18 plan for Buchanan-Verplanck Elementary
19 School. We are students from Columbia
20 University, and we are part of the masters
21 in science in sustainable science program.
22 And this project, it's about our spring
23 capstone that we were working through three
24 months to achieve this final presentation.

25 So to begin with, let us show you

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

133

1 PROCEEDINGS MAY 19, 2022

2 our team. The next slide, please. Okay,
3 thank you.

4 And there's me and our team, I'm
5 Santiago Oliva. And we were a team of eight
6 people who worked for three months really
7 hard to present a document that we already
8 sent a draft to the DOB, we are finishing
9 the final version. And the team was
10 confirmed by Wasfia Hoque, Reuben Goh, who
11 is presenting with me, Margaret George, Thao
12 Tran, Thinus Venter, Henry Coe and Yu Lin.

13 So let's go, let's go to the, to
14 the project. First of all, the project
15 scope, activities of concern, our work, and
16 what we were asked to do. As the content of
17 this meeting, the activities of concern is
18 Indian Point decommissioning process, and
19 our location of concern is
20 Buchanan-Verplanck Elementary School. So
21 everything we have read -- written,
22 everything we are doing some research, it's
23 thinking in the Buchanan-Verplanck
24 Elementary School, specific to that. And
25 the intended deliverable is the

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

134

1 PROCEEDINGS MAY 19, 2022
2 identification of contaminants, a hazard
3 assessment of individual contaminants, a
4 monitoring plan, and contaminant specific
5 policy recommendations. Considering we
6 don't have three hours to present
7 everything, we are going to focus the
8 presentation in the monitoring plan and
9 contaminant specific policy recommendations.

10 And just to tell you how we got to
11 the monitoring plan, we did a risk
12 assessment, a reduced risk assessment that
13 we identified the contaminants of concern,
14 we identified the human exposure pathway.
15 Later we assessed the contaminant toxicity,
16 and we assessed the human contaminant
17 intakes. And we, based on our methodology
18 we get to five contaminants of concern that
19 we will call them COCs. And from now that
20 they are radiation that could affect the
21 community; the particulate matter, PM;
22 volatile organic compounds; asbestos and
23 fiberglass and lead. And something really
24 important about this contaminant concern,
25 that the selection operates on a

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

135

1 PROCEEDINGS MAY 19, 2022
2 precautionary principle. What does it mean,
3 a precautionary principle? That we want to
4 be prudent. We don't want to wait that
5 there is like a high risk of contamination
6 to starting measuring this contaminant. We
7 want to keep measuring them so if there's
8 any accident we are controlling this part.

9 So already to the contaminants of
10 concern, we went to a plan of action that we
11 developed a plan with three monitoring
12 scenarios to monitor the COCs both inside
13 and outside the school -- the school
14 buildings. And why three monitoring
15 scenarios? Because we are going to provide
16 these for the decision making so they can
17 consider the variables and choose the better
18 -- the best pathway. Later we evaluated the
19 relevant technologies for all the
20 contaminants of concern. We evaluated
21 effectiveness, the data accessibility, the
22 cost and maintenance. We adopted a
23 cautionary, conservative, and preemptive
24 approach. Remember the precautionary
25 principle, this is because we want to be

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

136

1 PROCEEDINGS MAY 19, 2022

2 preemptive. And we recommend monitoring
3 plans based on risk to human health,
4 effectiveness, implementability and cost.

5 So, what are the three monitoring
6 scenarios that we will be discussing later.
7 The first one is business as usual. That is
8 the least amount of effort and cost. And
9 business as usual considers that we are
10 doing the same efforts that we are doing
11 today. That means Holtec radiation
12 monitoring, this is the area quality
13 monitoring, the six months of monitoring the
14 school. It doesn't mean no effort, it means
15 that we continue with the current efforts
16 that are being done today.

17 The second scenario is the
18 real-time monitoring for PMs and VOCs.
19 These we consider as a team a medium amount
20 of effort and cost effectiveness.

21 And the third scenario is the
22 real-time monitoring for PMs, VOCs and
23 radiation. That we consider extensive
24 efforts and more monitoring frequencies of
25 all COCs.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

137

1 PROCEEDINGS MAY 19, 2022

2 So now Reuben will tell you more
3 deeply about these three scenarios.

4 MR. GOH: Thank you, Santi. As
5 Santi mentioned, I'm Reuben, Reuben Goh, and
6 I'm also one of the members of the team that
7 have worked on this assessment and
8 monitoring plan.

9 So just to give you a bit of
10 background of what actually goes into the
11 monitoring system and services and some of
12 the considerations we've made. This is
13 particularly with regards to the selection
14 of technologies that we would implement
15 within our monitoring plans in order to
16 record levels of COCs over time.

17 Some of the qualifications and
18 considerations. Of course the financing,
19 financing mechanisms. So that would be
20 things like CAPEX, capital expenses, OPEX,
21 operational expenses. The capital expenses
22 would be things like the initial buy-in, how
23 much the equipment will cost. Operational
24 expenses would be how much it would cost to
25 continue the upkeep of this equipment, any

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

138

1 PROCEEDINGS MAY 19, 2022

2 kind of maintenance costs that go on or any
3 kind of replacement parts. Present value,
4 which speaks to the present value of the
5 equipment as opposed to its depreciated
6 value over time. And any other kind of
7 technology and services related costs.

8 Of course outside of its own
9 financing mechanisms we're also thinking of
10 really just the qualitative aspects of the
11 equipment. So equipment life expectancy is
12 something that's important to us. Longer
13 equipment also means we spend less, less
14 money and we -- it becomes more reliable.
15 Things like maintenance, reducing any kind
16 of additional labor, replacement parts, and
17 the general needed upkeep was something that
18 was really important to us.

19 And finally, of course, UI, user
20 interface, having something that is easily
21 accessible and having data that is easily
22 interpreted was of paramount importance to
23 us, especially because this would require
24 less training or less kind of replacement
25 training as individuals move on between

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

139

1 PROCEEDINGS MAY 19, 2022

2 jobs. So ease of technology and services
3 was something that was very, very important
4 to us as we constructed the report.

5 So going a little bit into one of
6 the first of the three scenarios that we
7 proposed. As Santi had mentioned earlier,
8 this is business as usual. And important to
9 stress is that this does not mean no action.
10 It simply means there's no additional action
11 on top of what is already being done. And
12 so because of that there's no additional
13 cost.

14 To be very clear, when we're
15 looking at things like PM and VOCs, I
16 understand from earlier in this meeting that
17 things like radiation are very, very
18 important to people in this meeting, and
19 rightly so. We've included PM and VOCs as a
20 long term consequence and potential
21 additional COC that could also affect
22 individuals at BV.

23 So under this scenario there's no
24 real-time monitoring of any particulate
25 matter or of volatile organic compounds.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

140

1 PROCEEDINGS MAY 19, 2022
2 Radiation, there's no additional measurement
3 of radiation at BV, and this would rely on
4 existing Holtec systems, any kind of air
5 samplers. As we understand it, there are
6 two that are fairly close in proximity to BV
7 as it stands. And for contaminants like
8 asbestos, fiberglass and lead that can be
9 released during the deconstruction process
10 of the site, there is no additional
11 measurements, and any kind of regular
12 visible asbestos checks that are being
13 carried out would continue to be carried out
14 every six months.

15 Moving on, we have scenario two,
16 which would involve real-time monitoring for
17 PM and VOCs. The additional cost that is
18 incurred would be about \$192,000. For PM
19 and VOCs this involves outdoor real-time air
20 monitoring using the AQS1 and the AQM65 from
21 a company called Aeroqual. Over here on the
22 left you can actually see a diagrammatic
23 representation of where we propose these
24 monitors be placed. So in blue you can see
25 Indian Point, in green is actually BV, and

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

141

1 PROCEEDINGS MAY 19, 2022
2 slightly further away is Blue Mountain
3 Middle School, which was in our control site
4 given the topography and the distance. So
5 placing one of each of the air monitors
6 would allow us to form a co-relation between
7 any kind of contamination released from IP
8 that reaches BV and having a control allows
9 us to see what the ambient air quality would
10 be like.

11 So in addition to the AQS1 and the
12 AQM65, which the AQM65 is the more robust of
13 the two units, the AQM65 would be within BV,
14 which is our primary site of concern.

15 In addition to this, indoor
16 real-time monitoring also happens. That
17 uses PurpleAir sensors. You can see them on
18 the left side dotted around the, the BV
19 campus indoors that would allow us to
20 account for both outdoor and indoor air
21 quality.

22 For radiation under scenario two,
23 we propose that Holtec installs an
24 additional air sampler at BV. And this
25 would allow for a more accurate ascertained

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

142

1 PROCEEDINGS MAY 19, 2022
2 -- ascertainment of the air quality and any
3 kind of radiation that might be a risk on
4 site at the elementary school, as opposed to
5 relying on air samplers that are close in
6 proximity. And this, this kind of -- this
7 prevents any kind of geographical variation
8 from installing any kind of duct. But we
9 also propose that daily reports of the
10 existing Reuter Stokes data that you have be
11 a, a key change, a key step up in the
12 frequency of radiation data available. This
13 way we can know in more real-time how that
14 happens. That being said, of course this is
15 not exactly real-time. It still requires
16 daily data grabbing and processing of the
17 data before any of that happens.

18 For asbestos, fiberglass and lead
19 there still remains no additional
20 measurements, but more -- more visible
21 asbestos checks should be carried out,
22 particularly on the condition that asbestos
23 is found by Holtec at Indian Point, which
24 has happened before.

25 Finally, for scenario three --

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

143

1 PROCEEDINGS MAY 19, 2022
2 wait a minute, my bad -- for scenario three
3 we have real-time monitoring of PM, VOCs and
4 radiation. And the additional cost of this
5 is about \$403,650. The main difference
6 between scenario two and three is that the
7 AQS1 units, which are slightly less robust,
8 get elevated to the AQM65, which is
9 Aeroqual's most robust offering, and it
10 replaced the AQS1 sensors at IP and Blue
11 Mountain Middle School. We also increased
12 the indoor real-time monitoring with
13 PurpleAir sensors to include all of the
14 classrooms, so there's actual accuracy for
15 each individual classroom, rather than a
16 generalized proxy for one classroom
17 representing multiple.

18 For radiation, on top of --
19 recommended that Holtec installs an air
20 sampler at BV and a daily report of Reuter
21 Stokes data. We also recommend that there
22 could be the employment of real-time
23 radiation monitoring using the EcoGamma-g
24 radiation monitor. And this will allow us,
25 you know, in real-time what kind of

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

144

1 PROCEEDINGS MAY 19, 2022

2 radiation levels we are experiencing on
3 site. And that can transfer into a policy
4 for (inaudible), which I'll go into right
5 after this.

6 And asbestos, fiberglass and lead,
7 BV will hire professionals if lead, asbestos
8 or fiberglass is found at IP, to carry out
9 any kind of abatement processes that need to
10 happen.

11 A key qualification for this is
12 that none of these scenarios include any
13 kind of extreme unforeseen catastrophic
14 events such as explosions or any kind of
15 sabotage that might happen. So that's a key
16 qualification and a presupposition that all
17 these scenarios can consider. Or do not
18 consider. My bad.

19 So, breaking down our recommended
20 scenarios, we have five criteria that
21 we've -- that we are basically evaluating
22 our scenarios against. Over here you can
23 see on the leftmost column you have risk to
24 human health, short term effectiveness, long
25 term effectiveness, implementability, and

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

145

1 PROCEEDINGS MAY 19, 2022

2 cost.

3 So just kind of a clarification of
4 what short term effectiveness and long term
5 effectiveness constitutes. It speaks to the
6 relative importance that we foresee of each
7 individual COC along the decommissioning
8 timeline. So for short term effectiveness
9 we are looking at things like radiation.
10 For long term effectiveness we are looking
11 at things like VOCs from increased solvent
12 use on site, or increased vehicular traffic
13 from transporting material, and also things
14 like PM from any kind of deconstruction
15 activities that might go on on site.

16 So for scenario one we're seeing
17 it fails on the parameters of risk to human
18 health because there's no additional
19 monitoring.

20 Short term effectiveness is a
21 counter for it because radiation is being
22 monitored. But long term effectiveness does
23 not constitute any of the additional COCs
24 that we are concerned about, so it fails on
25 that grounds.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

146

1 PROCEEDINGS MAY 19, 2022

2 Implementability is easy because
3 no additional effort and cost is, is also
4 easy because there's no additional cost.

5 Scenario three passes for risk to
6 human health, short term and long term
7 effectiveness because it's the most robust
8 and vigorous scenario we proposed. The
9 problem is that implementability is low,
10 mainly because of the high costs associated
11 with the project, and also because some of
12 the data might be a bit more difficult to
13 access, requiring more training for staff,
14 especially when that hand-over process
15 happens, it might be a bit more difficult.
16 And therefore we recommend scenario two,
17 which passes all of the five evaluation
18 criteria we've put forth, which is covering
19 risk to human health, short term
20 effectiveness, long term effectiveness,
21 implementability and cost.

22 So moving on, right over here is a
23 hazard response scale. Another
24 qualification here is that this is mainly a
25 framework and the values represented on the

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

147

1 PROCEEDINGS MAY 19, 2022

2 slide here need to be agreed upon by the
3 relevant stakeholders.

4 So we've effectively separated our
5 hazard response scale into three response
6 brackets. A low response indicating an
7 approximate lack of any health risk. Medium
8 response indicating still a lack of health
9 risk but any kind of contaminant levels
10 being above the baseline. And high response
11 constituting contaminant levels at a
12 dangerous level, especially when it comes to
13 things like long term health consequences,
14 which might not manifest in shorter time
15 scales.

16 So on the right here, I'm not
17 going to read all of these values, but you
18 can see that we've covered low, medium and
19 high for COCs like PM 2.5, PM 10, asbestos,
20 fiberglass, VOCs, lead outdoors, lead
21 indoors, and radiation, and the relevant
22 citations we pulled these values from.

23 So talking little bit about how
24 that translates into policy, on the right
25 here there's basically what we've already

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

148

1 PROCEEDINGS MAY 19, 2022
2 seen, low, medium and high responses, some
3 different brackets of measured contaminant
4 values. On the left is the corresponding
5 policy response. So in the low response
6 bracket what we're seeing is that there's no
7 additional action necessary from
8 stakeholders. And this is the obvious
9 choice because there's no immediate health
10 risk.

11 For medium response, stakeholders,
12 we believe that stakeholders should be
13 notified of these results and extra
14 monitoring measures should be put in place,
15 particularly making a distinction between
16 whether elevated contaminant levels or any
17 kind of snap trigger, any kind of major
18 release event, or if it has been more of a
19 slow increase over time, and, and that would
20 constitute increased monitoring measures
21 being put in place to understand where that
22 change is coming from.

23 And, finally, high response would
24 constitute urgent alerts be sent to
25 stakeholders. BV should cease outdoor

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

149

1 PROCEEDINGS MAY 19, 2022
2 activities and exercise caution. And if any
3 kind of levels continue to rise, some of the
4 proposals we put forth would be a shift to
5 either virtual learning, or in the case of a
6 town as small as the one we are dealing
7 with, moving to an alternate in-person
8 location could also be a viable option. And
9 it's also recommended that we consider any
10 kind of timing and the lag in response of
11 human health to any kind of exposure. So
12 that's important to also consider in a high
13 response scenario, any kind of health
14 hazards that could manifest down the road.
15 Just finishing up. Some of the
16 potential benefits of the scenario two which
17 we have presented is that it basically puts
18 forth real-time monitoring for additional
19 COCs that may not be directly in the
20 interest because radiation is such a large
21 elephant in the room. We are including
22 consideration for other contaminants that
23 could have negative health impacts on the
24 students and staff of BV. So real-time
25 monitoring for PM and VOCs. Short term

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

150

1 PROCEEDINGS MAY 19, 2022
2 effectiveness under scenario two is also
3 good because it provides additional
4 radiation monitoring. There's extra
5 accuracy being granted when there's a new
6 monitor being set up on BV's campus. And
7 also increases in daily reports allows
8 increased transparency of what's going on in
9 the ambient environment.

10 For long term effectiveness we're
11 also considering under scenario two more
12 contaminants for the entire decommissioning
13 process, which could have health
14 ramifications for the staff and students.
15 It requires less training and administration
16 of logistics for BV.

17 One of the major things I haven't
18 covered, due to time, is that the Aeroqual
19 has a very robust API that allows you to
20 access data, set alerts. And this would,
21 would require a lot less training and
22 administration when it comes to accessing --
23 accessing data and, and looking at how
24 levels have changed over time. In addition,
25 it's cost effective, it's way less than half

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

151

1 PROCEEDINGS MAY 19, 2022
2 the cost of the proposed scenario three.
3 And because of that it actually leaves a
4 buffer in the outlined budget for any kind
5 of cost overruns or as needed services that,
6 that may arise on the way.

7 With that, I thank you very much
8 for your time, and I guess this would be a
9 time for any kind of comments. Thank you.

10 THE CHAIRPERSON: Thank you very
11 much. I believe we're going to try to have
12 a bit of Q&A. And first we're going to
13 start with Supervisor Becker.

14 SUPERVISOR BECKER: Thank you,
15 Tom. And thank you, students, for your
16 presentation tonight.

17 I just want to give the audience a
18 little background, and I'll -- but before I
19 can get into this presentation, just, you
20 know, the technical problems of tonight, it
21 happens, you know. And this program was
22 originally tried to be run out of Albany
23 rather than on site here. But going forward
24 for the meeting on the 27th it's proposed
25 the Town of Cortlandt can host it via Zoom

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

152

1 PROCEEDINGS MAY 19, 2022
2 from here directly, so that we'll be able to
3 meet that hybrid requirement, because I do
4 think it's important. We've been doing that
5 for every meeting here. We had one for our
6 mod, where we had a hundred people online,
7 and it worked fine. And we have one coming
8 up, for example, on Monday night on
9 Sustainable Westchester where people want to
10 hear about that. So we can make -- you can
11 have your presentation and we'll just take
12 over that part of it to simplify it.

13 Most importantly on this, what the
14 students reported, I just wanted to give a
15 little background on how this happened. We all
16 know that, and Mr. Hochreiter hears this
17 more than I do, about the concerns about
18 students being at BV in such close proximity
19 to Indian Point. And it of course involves
20 Buchanan, and Theresa's concerned, she's --
21 her community is right there. Montrose,
22 Verplanck, it involves all of us.

23 And the state gave \$500,000 to
24 allow monitoring because they were aware of
25 this concern. So the question comes up, who

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

153

1 PROCEEDINGS MAY 19, 2022
2 does the monitoring, how do you do it
3 independently, what should be monitored,
4 where should the monitors be, do you do it
5 real-time, how do you assess samples. And I
6 happened upon, as luck would be, Jonathan
7 Hollander, who's the professor at Columbia
8 behind this project, and he happens to live
9 here on Maple Avenue. And he has skin in
10 the game because his kids will grow to be
11 big, and he happens to be teaching a course
12 to graduate students who were looking for a
13 capstone project. So everything came
14 together terrifically. And they put
15 together this very sophisticated study. We
16 heard it last week here in town hall. The
17 actual presentation is a hundred pages in
18 three hours, which we sat through. And it's
19 a very detailed report. Theresa and the
20 Superintendent were there.

21 And basically what this went
22 through is what should be monitored, where
23 the monitoring should be, what type of
24 equipment should be used, and how that
25 information should be reported and utilized

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

154

1 PROCEEDINGS MAY 19, 2022
2 in real-time. So basically they're saying
3 we should be looking at particulate matter
4 and we should be looking at VOCs, as well as
5 radiation, although the radiation concern is
6 a little less because it will be monitored
7 on site at Indian Point. But all three can
8 be done. And they present cost effective,
9 real-time recommendations as to what
10 equipment is out there, what could be used,
11 how it should be done and how it should be
12 monitored, and how that should give us all
13 security since children will be going to
14 this school district. So that's the
15 background.

16 So I commend the students. I
17 assume pretty soon you'll all graduate and
18 are experts in the field now. And your
19 report will be turned over to the
20 Superintendent and the School Board for, for
21 their use. So I think that was very helpful
22 to the town, to the state, and to the
23 community who wants to know that someone
24 else out there is watching and protecting
25 us. So I think this was a very fortuitous

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

155

1 PROCEEDINGS MAY 19, 2022

2 thing. Thank you.

3 THE CHAIRPERSON: Thank you.

4 (Applause.)

5 THE CHAIRPERSON: Are there
6 questions from the DOB? Yes, Richard.

7 MR. WEBSTER: Yeah, I have a quick
8 one. So on the -- I actually -- so full
9 disclosure, years ago I used to do this for
10 construction sites. And what we used to do
11 was try to build up a baseline for when the
12 wind's blowing the opposite way, away from
13 the construction site, and then you use 95th
14 percentile as a baseline for the
15 intermediate level. So I wanted to know
16 have you considered that.

17 And then in terms of when you
18 exceed the intermediate level, the thing I'd
19 normally want to check is what -- what's the
20 wind direction, and then if the wind
21 direction is from the site, then communicate
22 with the construction managers on the site
23 to see whether site activities -- what site
24 activities could be causing the exceedance.

25 THE CHAIRPERSON: Santiago?

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

156

1 PROCEEDINGS MAY 19, 2022

2 MR. GOH: I can take this one and
3 then Santi can add on if, if you so please.

4 Yes, actually wind direction was
5 actually one of our primary concerns,
6 especially because a lot of the contaminants
7 we deal with had the propensity to sorb to
8 soil or any kind of wind, air blown dust
9 that might be churned up by any kind of
10 wind. So we did actually construct a wind
11 model. That is in the full report that was
12 just mentioned. And air quality, air
13 sensors that we've actually included also
14 includes sensors for meteorological
15 parameters, including things like wind
16 direction, wind speed to relative humidity.
17 And all that will go in to construct
18 effectively a pattern that we can analyze to
19 figure out where any kind of elevated levels
20 of contaminants originates from. Which is
21 part of the reason why we did include it as
22 a monitor also on site at IP, in addition to
23 the ones we've proposed in BV and Blue
24 Mountain Middle School.

25 THE CHAIRPERSON: Thank you.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

157

1 PROCEEDINGS MAY 19, 2022

2 MR. GOH: I hope that answered
3 your question.

4 THE CHAIRPERSON: Thank you very
5 much.

6 I have a question on the costs.
7 Were those costs presented for each scenario
8 one time costs or are they annual costs?

9 MR. OLIVA: Sorry, can you repeat
10 the question again?

11 THE CHAIRPERSON: Yes. Are the
12 costs that were presented for the scenarios
13 one time costs or annual costs?

14 MR. OLIVA: Well, this is the, the
15 cost we're presenting here is the total cost
16 considering a ten years monitoring scenario.
17 So these costs considered the maintenance of
18 the equipment, the replacement of the
19 equipment, the operation of the equipment,
20 and the cost of the equipment. And we, in
21 the, in the official report we are
22 presenting the costs as total costs that we
23 are presenting, and also we are -- we
24 present the present value if it is useful
25 for decision making.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

158

1 PROCEEDINGS MAY 19, 2022

2 THE CHAIRPERSON: Thank you very
3 much.

4 Are there any other questions from
5 the DOB?

6 MS. WILLIAMS: Could they stay on
7 for my portion? I have questions.

8 THE CHAIRPERSON: I've got a
9 request from the audience for you to stay on
10 for the next presentation in case there are
11 questions from the presenter, is that all
12 right? Santiago and Reuben?

13 MR. KACZMAREK: They said they
14 would stay on. Apologies.

15 THE CHAIRPERSON: Okay, thank you
16 very much.

17 Well, look, we want to thank the
18 team at Columbia for an excellent
19 presentation and excellent work product.
20 For your information if you didn't hear it,
21 there were applause from the audience. I
22 think there's a lot of appreciation here for
23 the work that you've done.

24 SUPERINTENDENT HOCHREITER: Tom,
25 if I, if I may.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

159

1 PROCEEDINGS MAY 19, 2022

2 THE CHAIRPERSON: Yes, please.

3 SUPERINTENDENT HOCHREITER: As the
4 school superintendent I know we've, we've
5 been dealing with a lot of concern around
6 the decommissioning and, and what that means
7 for children being 4,000 feet away. And.
8 This is another step in the right direction
9 of some of the pieces coming together. It
10 began with Governor Hochul providing half a
11 million dollars to the school district for
12 supplies, equipment, staffing, who knows.
13 And this is going to be one, one piece, and
14 really frankly a recommendation for us to
15 consider.

16 Santiago said at the beginning of
17 his comments that we don't have three hours
18 to present. We were here a week ago and we
19 were here three hours, and we went through
20 an 85 page report with a great level of
21 specificity. So what the folks heard and
22 saw over the last fifteen to twenty minutes,
23 we want to assure you there was great depth
24 and breadth into their report. I'd like to
25 thank the Supervisor for connecting us with

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

160

1 PROCEEDINGS MAY 19, 2022
2 Columbia. And I also want to thank who's on
3 the call, David Lochbaum, who's been a
4 fantastic ad hoc advisor to the school
5 district and the school board, and hopefully
6 will continue in that capacity, because
7 what, what -- where we need to go now is, is
8 a conversation of so what. We purchase
9 monitoring equipment, we have our standards,
10 we have a communication vehicle, we have a
11 way of notification, and then what. You
12 know, who does what, where, how and when, so
13 situations can be remedied, so students can
14 move to a safer location. But, you know,
15 the next step here is going to be really a
16 question of who will be able to knock on the
17 door at Holtec, for example, and try to
18 remedy a situation. Which the school
19 district is responding to. And I hate to
20 say it, but that's not our core competency
21 either. So we are relying on a lot of
22 support from the state and from technical
23 experts to make sure that we're responding
24 the right way. But, you know, we -- our
25 core competency is teaching children. So

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

161

1 PROCEEDINGS MAY 19, 2022

2 we're going to need a lot of help along the
3 way. And again, this is a great first step
4 in starting to bridge that gap. So thank
5 you.

6 THE CHAIRPERSON: Thank you very
7 much, Joe.

8 So I want to move along to the
9 next part of our agenda. The Indian Point
10 host community is really blessed to have
11 numerous individuals who are well-versed in
12 nuclear power issues and pipeline safety
13 issues, and it's a well-organized community.
14 And the community brings attention to
15 serious issues that have been of great value
16 to the DOB. Courtney Williams is one of
17 those individuals. She's a passionate, very
18 active member of her community, and we have
19 a great deal of respect for Courtney and
20 welcome her tonight to present, and look
21 forward to a constructive exchange of
22 information. Thank you, Courtney.

23 MS. WILLIAMS: Thank you very
24 much, Tom.

25 So I'm just going to start with a

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

162

1 PROCEEDINGS MAY 19, 2022
2 few questions I had for the students so they
3 don't need to stay on after. And some of my
4 relevant qualifications are on the slide.
5 So I hold a bachelors of science in
6 molecular biology, or sorry, molecular
7 biochemistry and biophysics from Yale, a PhD
8 in molecular biology from Princeton, and I
9 did my postdoctoral training at MIT in
10 biological engineering. And I've spent the
11 last nearly decade using that training to
12 bring to bear on public health and public
13 safety with regards to the colocation of the
14 gas transmission pipeline system at Indian
15 Point.

16 So my questions for the students
17 is when you did your scale in terms of
18 health impacts, like health risks, where --
19 were those legal limits? I saw you cited
20 the EPA for some of them. Are those legal
21 limits or did you look in the literature for
22 limits that actually harm public health?

23 MR. OLIVA: I can answer. And we
24 did a mix, a combination between legal
25 limits and what could actually affect those.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

163

1 PROCEEDINGS MAY 19, 2022
2 For PM, asbestos and for -- sorry, for PM,
3 VOCs and lead we used a -- we used the EPA,
4 the legal limits. And for lead we use a
5 paper actually about the real health risks
6 to the community. And for asbestos and
7 fiberglass we used what is -- what is the
8 current regulation for workers.

9 MS. WILLIAMS: Thank you.

10 So I would just like to make this
11 board aware that the literature is really
12 clear that a legal limit does not constitute
13 a safe or healthy limit in terms of air
14 pollution. Just this morning I was on a
15 webinar with Richard Fuller, who's the lead
16 author in the Lancet's commission on
17 public -- on pollution and public health,
18 and they did an update that made it really
19 clear that our legally allowable limits for
20 ambient air pollution are still harming our
21 health. So I would, I mean, I doubt we'll
22 get Holtec to agree to do anything above the
23 absolute bare minimum required by law, but I
24 would -- I think it would be great if we
25 could use limits that actually impact public

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

164

1 PROCEEDINGS MAY 19, 2022
2 health versus what is the legally allowable
3 limit.

4 I also, my next question for the
5 students, did you look at the surrounding
6 area in terms of VOCs and things, because
7 this really is an environmental justice
8 area. So we have three of the largest
9 sources of air emissions in Westchester
10 County located within a few miles of the
11 school. So very close to BV is the gypsum
12 plant, also the BASF chemical plant, and
13 then the largest source of air pollution in
14 Westchester County, that includes things
15 like mercury, cadmium, lead, formaldehyde,
16 et cetera, is the Wheelabrator trash
17 incinerator, that burns the entirety of
18 Westchester County's waste. So I'm
19 wondering, you know, I would not be
20 surprised at all if you turned on your
21 detectors and found that the students at BV
22 are already being exposed to VOCs and other
23 things that are much above safe limits. So
24 I'm wondering with your modeling did you
25 account for those large sources of air

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

165

1 PROCEEDINGS MAY 19, 2022

2 pollution right near the school?

3 MR. GOH: I guess I'll, I'll take
4 this one. This specifically was not within
5 our scope of the investigation. We hadn't
6 had access to do any kind of ambient
7 monitoring to establish current baselines.
8 We do expect for a lot of VOCs and things
9 like PM, because we expect that to be a
10 concern that would be more pertinent later
11 down the timeline of the decommissioning
12 process, that any kind of setting up of a
13 monitoring equipment would hopefully kind of
14 capture that before the majority of the --
15 that kind of activity takes place. But
16 strictly speaking, that's right now kind of
17 my suppositions and assumptions. Within our
18 report that is not within our scope, to be
19 completely clear about it. So just to make
20 a distinction, no, not within our report,
21 but my own personal supposition is that
22 there might be more information as soon as
23 we set up any kind of monitors to see if
24 there's any change over time.

25 I hope that answered your

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

166

1 PROCEEDINGS MAY 19, 2022

2 question. Thank you.

3 MS. WILLIAMS: Thank you. That's
4 the last of my questions for them. Thanks
5 so much for saying on.

6 THE CHAIRPERSON: Thank you.

7 MR. OLIVA: We are recommending,
8 especially for PM, measuring at three
9 locations, so that way we can know if the PM
10 is coming actually from Holtec or from
11 another place in, in the surroundings of the
12 school.

13 MS. WILLIAMS: Great.

14 THE CHAIRPERSON: Okay.

15 Back to our normal --

16 MS. WILLIAMS: Yup.

17 THE CHAIRPERSON: -- presentation?
18 Okay.

19 MS. WILLIAMS: So, let's see. I'm
20 also watching -- the Webex has dropped
21 again, so people on Webex are seeing this,
22 "the webinar will continue soon." So I'm
23 looking -- watching it on my tablet --

24 THE CHAIRPERSON: Do you want to
25 pause a moment?

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

167

1 PROCEEDINGS MAY 19, 2022

2 MS. WILLIAMS: -- so I can see --
3 yeah, I can wait.

4 THE CHAIRPERSON: Okay.

5 AUDIENCE MEMBER: Can I ask a
6 quick question?

7 MS. WILLIAMS: Of me?

8 AUDIENCE MEMBER: You might have
9 an answer.

10 MS. WILLIAMS: Okay.

11 AUDIENCE MEMBER: Just like a
12 quick one.

13 MS. WILLIAMS: Then you don't want
14 to ask me.

15 AUDIENCE MEMBER: Do they have
16 radioactive pool detectors on site now, and
17 if they do, are they monitored for outside
18 communities, in other words, do they go to
19 Dutchess County, do they go to --

20 MS. WILLIAMS: They do.

21 AUDIENCE MEMBER: So there's
22 already --

23 MS. WILLIAMS: Yup.

24 AUDIENCE MEMBER: Why are we doing
25 this now? This should have been done

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

168

1 PROCEEDINGS MAY 19, 2022

2 already.

3 MS. WILLIAMS: I would agree that
4 it should have been before now.

5 AUDIENCE MEMBER: And I apologize,
6 I shouldn't interrupt.

7 MS. WILLIAMS: No, good questions.
8 And we've got time.

9 THE CHAIRPERSON: Sorry.

10 MS. WILLIAMS: It's okay.

11 THE CHAIRPERSON: I, I was doing
12 the technical difficulties.

13 MS. WILLIAMS: Yeah. The question
14 was just if we currently have radiation
15 monitoring.

16 THE CHAIRPERSON: Yes.

17 MS. WILLIAMS: And if it is
18 reported to like Westchester County or the
19 state.

20 THE CHAIRPERSON: Yes.

21 MS. WILLIAMS: I said yes.

22 THE CHAIRPERSON: We do.

23 MS. WILLIAMS: We currently --

24 THE CHAIRPERSON: Yes.

25 MS. WILLIAMS: -- have monitoring

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

169

1 PROCEEDINGS MAY 19, 2022

2 and it's reported.

3 THE CHAIRPERSON: Okay. Thank
4 you. Yeah, there was a slide in the earlier
5 part of the presentation that showed the
6 real-time results from yesterday.

7 Is it back up Courtney, no?

8 MS. WILLIAMS: No.

9 THE CHAIRPERSON: I really
10 appreciate the Supervisor's offer to take
11 over the technical --

12 (Laughter)

13 MS. WILLIAMS: Yeah, I -- well,
14 yeah. And is the report that the students
15 did, is that going to be publicly available?

16 THE CHAIRPERSON: All the slides
17 will certainly be publicly available.

18 MS. WILLIAMS: I mean the 80
19 page --

20 THE CHAIRPERSON: The 85 page
21 portion --

22 MS. WILLIAMS: -- three hour
23 version.

24 THE CHAIRPERSON: -- I think
25 they're still finalizing. But yes, we will.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

170

1 PROCEEDINGS MAY 19, 2022
2 SUPERINTENDENT HOCHREITER: They
3 were sent back with revisions.

4 MS. WILLIAMS: Okay.

5 THE CHAIRPERSON: Courtney, I'm
6 getting a text that Webex is the problem.

7 MS. WILLIAMS: Okay.

8 THE CHAIRPERSON: And so we may
9 want to proceed --

10 MS. WILLIAMS: Okay.

11 THE CHAIRPERSON: -- in the
12 interests of time.

13 MS. WILLIAMS: All right. So if
14 we can back up one slide.

15 So that was my intro slide, and
16 the kids that you saw in the picture with
17 me, those are my kids, both. One currently
18 still at BV, the other graduated from BV.
19 And I've been doing this work regarding the
20 colocation of the pipelines at Indian Point
21 since 2013. So I have a lot of -- oh, it's
22 back up, great. All right, so if we could
23 go back one slide, but if that's going to
24 mess stuff up we don't need to. Okay,
25 great.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

171

1 PROCEEDINGS MAY 19, 2022
2 So yes, I live in Peekskill. I am
3 a parent of two HenHud students. A member
4 of the City of the Peekskill Conservation
5 Advisory Council. Co-founded Safe Energy
6 Rights Group specifically to address the
7 safety issues of Indian Point and the
8 pipelines. Recently founded Westchester
9 Alliance for Sustainable Solutions to
10 address the air pollution from the
11 Wheelabrator Trash Incinerator. Have
12 participated in the Consultation on Climate
13 Use during the Universal Periodic Review for
14 the United Nations. And let's see, relevant
15 stuff. Yeah, and the rest we can move on
16 to. I am currently employed as a cancer
17 researcher, but here today as a parent and
18 advocate.
19 Next slide.
20 So this one just shows the
21 locations of the pipelines. So in yellow is
22 the new 42 inch pipeline. In red you will
23 see two pipelines. One kind of going very
24 close to the reactors, that's the old
25 pipeline. The Algonquin pipeline is a

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

172

1 PROCEEDINGS MAY 19, 2022
2 system, not a single -- not a single gas
3 pipeline.

4 Next slide, please. And I do have
5 a lot of slides, and I apologize if this is
6 going to be very fast.

7 So this is a graph showing the
8 average number of annual pipeline incidents
9 per 10,000 miles of gas transmission pipe.
10 And you can see that that rate is very high
11 for pipes built in the 2010s, like the
12 Algonquin pipeline expansion. And per
13 PHMSA, that's the Pipeline and Hazardous
14 Materials Safety Administration, there were
15 never and has never been a federally
16 compliant safety assessment for the old
17 pipelines that predate the nuclear power
18 plant or the newest pipeline.

19 So question for DPS, do you
20 acknowledge, and I'm asking DPS because, for
21 folks listening, they're -- PHMSA, Pipeline
22 and Hazardous Materials Safety
23 Administration, delegates some authority to
24 DPS for oversight of pipeline safety. So do
25 we acknowledge the failure and call upon

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

173

1 PROCEEDINGS MAY 19, 2022

2 PHMSA to produce a federally compliant risk
3 analysis and integrity management plan as
4 required by federal law.

5 THE CHAIRPERSON: So we have a gas
6 safety team on the phone, and I'm going to
7 just take the questions and answers. Know
8 that we have technical staff that could
9 probably add a lot more detail than I.

10 MS. WILLIAMS: Okay.

11 THE CHAIRPERSON: But in the
12 interests of time and technology --

13 MS. WILLIAMS: Yeah.

14 THE CHAIRPERSON: I will tell you
15 this issue has been raised over the years.
16 Former Congresswoman Nita Lowey wrote to us
17 specifically citing these very regulations.
18 We wrote back to her after having consulted
19 with PHMSA to request that they confirm
20 compliance. They did confirm compliance
21 with these regulations that are specified.

22 MS. WILLIAMS: And did they
23 produce a risk assessment?

24 THE CHAIRPERSON: The company has
25 produced a risk assessment and -- and an

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

174

1 PROCEEDINGS MAY 19, 2022

2 integrity management plan to PHMSA as they
3 are required to do. And PHMSA confirmed
4 that.

5 PHMSA is also currently
6 conducting, because this is an ongoing review
7 that's regularly updated, and PHMSA is currently
8 conducting an audit of the current integrity
9 management plan, and the DPS gas safety team
10 is a party to that.

11 MS. WILLIAMS: Okay.

12 Next slide, please.

13 So another thing to keep in mind
14 is that emergency planning for Indian Point
15 does not count for colocation of the
16 pipelines at Indian Point. The evacuation
17 plan, unrealistic. At my house the picture
18 on the top is what I get in the mail every
19 single year. It is a pamphlet about
20 emergency planning for Indian Point and a
21 pamphlet about emergency planning for the
22 pipeline. Those two things do not agree
23 with each other. I should neither shelter
24 in place nor leave my house. I should
25 neither pick up the phone and call an

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

175

1 PROCEEDINGS MAY 19, 2022
2 emergency line, or not call an emergency
3 line. I -- there, there is no agreement
4 between these two documents for this
5 community that lives at the intersection of
6 the pipeline and the nuclear plant.

7 Holtec recently put out a survey
8 that was designed I think to exclude people
9 who need help in an evacuation, supposedly
10 to look at what would be needed for that.
11 It used a QR code for access to the survey,
12 because we know people who maybe don't have
13 a car or whatever, they're totally tech
14 savvy enough to use a QR code. It required
15 a computer to take; it was only online. And
16 it was only in English, as though nobody
17 speaking Spanish lives in the ten mile
18 evacuation point -- evacuation zone of
19 Indian Point. And I raised this in an email
20 to some of our county folks.

21 Also, the emergency planning at
22 the four county level has never done a
23 scenario involving the pipelines in Indian
24 Point. They do these trainings with, with
25 FEMA and all of the emergency -- Office of

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

176

1 PROCEEDINGS MAY 19, 2022
2 Emergency Management. They have never done
3 one that includes the gas pipelines. So
4 there's, you know, and this pipe crosses
5 under Route 9, 684, 84, the Taconic. So if
6 we're going to talk about a problem at
7 Indian Point evacuating, and we've never
8 considered the pipelines that bisect a large
9 portion of this ten mile evacuation zone on
10 -- oh, include the Palisades on the Rockland
11 side, it seems like they should be
12 considering it.

13 So I have a bunch of questions at
14 the bottom, I also have lot of slides. So I
15 don't know if we want to answer all of
16 these. I think that the big ask would be
17 for this DOB to urge the county and the four
18 county coordinator and the federal folks
19 that are involved in those trainings to do a
20 scenario involving the pipeline.

21 And also to address the fact, I
22 know that Enbridge and Holtec check their
23 boxes that they do the necessary trainings
24 of First Responders, but I don't know that
25 anyone ever asks the First Responders if

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

177

1 PROCEEDINGS MAY 19, 2022
2 they've had these trainings. I have asked
3 them, and it's like a binder gets dropped
4 off with a cup -- with a thing of donuts and
5 a, and a jug of coffee. It is not adequate
6 training. So I would ask that before
7 allowing them to tick the box that they've
8 trained our local First Responders, that you
9 actually talk to our First Responders and
10 find out what those trainings look like.

11 Next slide, please.

12 So this is -- we know that
13 Enbridge is currently doing additional work
14 to hook up their auxiliary pipeline under
15 the Hudson River to the 26 inch pipeline.
16 On the right is a picture of an Enbridge
17 pipeline, auxiliary pipeline, under the
18 Arkansas River blowing up. And Enbridge
19 didn't even know this had happened until an
20 angry tugboat captain called the Coast Guard
21 because his tugboat was damaged, and the
22 Coast Guard seemed to remember there was a
23 pipeline under there, and they called
24 Enbridge and told Enbridge that their
25 pipeline had blown up. And it took 48 hours

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

178

1 PROCEEDINGS MAY 19, 2022

2 to let the City of Little Rock know that
3 there had been a pipeline rupture.

4 On the left is the same pipeline
5 owned by Enbridge blowing up in the middle
6 of nowhere Pennsylvania, but still managing
7 to nearly kill someone.

8 And on the bottom I've overlaid
9 that blast radius with the area between my
10 kids' school and Indian Point. And what you
11 can see is that it would level -- it would
12 include the school, the ball field, the
13 backup generators, and the substation that
14 provides power, not only to Indian Point but
15 a large chunk of the Northeast, and was
16 responsible for the Blackout that happened
17 in the 1970s.

18 So I think that we really need to
19 take into account the risks that are posed
20 by this pipeline. And I don't think Holtec
21 appreciates them at all. And I'm wondering
22 why Enbridge has never been here to answer
23 for their own safety. Because as much as we
24 yell at Holtec, they're here talking to us.

25 Next slide, please.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

179

1 PROCEEDINGS MAY 19, 2022

2 So the first of four risk
3 assessments, that have resulted in zero
4 action, was a 2015 commissioned by the Town
5 of Cortlandt. We had Rick Kuprewicz from
6 Accufacts here to talk with us about and --
7 or talk with us, and he's the one who is
8 responsible for this, along with Paul
9 Blanch, because they had the necessary
10 security clearance.

11 So questions. Has DPS reviewed
12 this assessment? Does DPS agree with the
13 conclusions that the safety evaluation and
14 analysis is seriously deficient and
15 inadequate, and what's being done to rectify
16 this? And if you don't agree with the
17 analysis, why not?

18 THE CHAIRPERSON: So this was a
19 dated analysis, and as you know, we've been
20 around a few times on various risk
21 assessments.

22 MS. WILLIAMS: Yup.

23 THE CHAIRPERSON: And so part of
24 the state's risk assessment did evaluate
25 this one at that time.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

180

1 PROCEEDINGS MAY 19, 2022

2 MS. WILLIAMS: Okay, cool.

3 Then we can go to the next slide,
4 because that's the state's risk assessment.

5 THE CHAIRPERSON: Okay.

6 MS. WILLIAMS: Oh, sorry, this is
7 Entergy's risk assessment. Just so
8 everybody can see the picture, that was
9 actually submitted by Entergy as part of
10 their safety assessment and accepted by both
11 FERC, the Federal Energy Regulatory
12 Commission, and the NRC, the Nuclear
13 Regulatory Commission. You probably can't
14 read it, but somehow FERC and the NRC did.
15 And that also included the nebulous three
16 minute shutdown where Enbridge said they
17 could shut down the gas in three minutes,
18 which we now know to be completely untrue.
19 And which this community and some of the
20 elected officials at this table and
21 activists in this room called out at the
22 time when the pipeline was approved.

23 Next slide, please.

24 We can skip this, I guess. This
25 is just to put on the record we had Rick

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

181

1 PROCEEDINGS MAY 19, 2022
2 Kuprewicz here last time kind of singing a
3 different tune from what he said, what he
4 told the Nuclear Regulatory Commission on
5 numerous occasions about the, the, like the
6 -- what does he say with his own words,
7 "security claims should not be permitted to
8 shelter malfeasance in a scientific method
9 involving incomplete risk analysis for such
10 a highly sensitive structure."

11 Next slide, please.

12 So here's from New York State's
13 risk assessment. So the state found areas
14 that require further review. So have they
15 been reviewed? What was the outcome? Given
16 that this approval of the pipeline was based
17 on the three minute shutdown, DPS has shown
18 that's not true, what action was taken?
19 What new information does New York State
20 have that they're no longer calling for
21 ceasing gas flow? So in that circled part,
22 "given the heavy excavator work that will be
23 part of decommissioning, FERC may need to
24 require Enbridge to temporarily cease gas
25 operations during the decommissioning

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

182

1 PROCEEDINGS MAY 19, 2022

2 activities that may threaten pipeline
3 integrity."

4 FERC has no purview there, right,
5 that's PHMSA and DPS. And so does DPS
6 acknowledge FERC has no jurisdiction there,
7 and that is DPS and PHMSA. But really this
8 was a pretty scathing risk assessment, risk
9 assessment number three or so that came out,
10 and why are we no longer concerned?

11 THE CHAIRPERSON: So we stand by
12 the risk assessment and the statements made
13 in it. And if you read the circled
14 language, the state essentially says based
15 on the activities during decommissioning,
16 one of the measures that should be
17 considered would be depressurizing the line
18 would be temporary, would be based on actual
19 information about the activity. So we took,
20 when we did the risk assessment it was in
21 part to inform state regulatory actions.
22 And so we had the information, we questioned
23 the three minute, as you know. From that
24 the action that we took was to request from
25 PHMSA permission to do an audit, both a

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

183

1 PROCEEDINGS MAY 19, 2022
2 field audit and a control room audit, that
3 our staff traveled to Houston to do. You
4 referenced that we found that the three
5 minutes was overly optimistic and that we
6 felt --

7 MS. WILLIAMS: It was a lie
8 basically.

9 THE CHAIRPERSON: We felt --

10 MS. WILLIAMS: And it was known to
11 be impossible before a shovel went into the
12 ground, per Rick Kuprewicz, who joined us
13 last meeting.

14 THE CHAIRPERSON: Right. So we
15 expressed concern with that. And our action
16 was to go out and do the audit to confirm
17 what a more realistic number would be. We
18 published that. We explained that to PHMSA
19 and to FERC and others.

20 What we also did, when we noted
21 this about the potential -- potential
22 mitigation measures could include
23 depressurizing the line, we stand by that.
24 And that's, that's still a possibility.
25 When we developed the joint protocol, the

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

184

1 PROCEEDINGS MAY 19, 2022
2 Joint Proposal that identified colocation of
3 the pipelines as a critical thing that
4 Holtec needed to plan for and coordinate
5 with the pipeline operator, Enbridge, the
6 whole idea there is to go action by action
7 as they undergo decommissioning and assess
8 that action for potential impacts to the
9 pipeline. And the whole point of it is to
10 ensure that the engineers that are
11 responsible for integrity management of the
12 pipeline understand the activity that is
13 happening with Holtec, take that into
14 consideration for the pipeline, and approve
15 it or raise concerns that would require
16 other mitigation or alternatives. And so it
17 may be that a temporary depressurizing of
18 the lines still may be something that would
19 be warranted based on the communications
20 that are going to be ongoing throughout
21 decommissioning.

22 MS. WILLIAMS: And I guess my
23 concern is like we're talking about
24 Enbridge, who lied about being able to shut
25 off the pipeline in three minutes, when we

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

185

1 PROCEEDINGS MAY 19, 2022
2 told everybody in 2015 that it was likely
3 more like thirty minutes to a hour. So
4 Enbridge, who lied, and Holtec, who's now
5 the, I guess the offspring of Entergy that
6 submitted that handwritten thing, that
7 handwritten map of the pipeline. So this is
8 like, I think the concern of this community
9 is that over and over again, so right, we're
10 on risk assessment number whatever, and
11 every risk assessment, no matter how bad it
12 is or what it says, results in no corrective
13 action. So basically Enbridge could lie
14 about this three minute shutdown, get this
15 massive gas pipeline built under the new
16 plant and next to my kid's school, then be
17 find out to have falsified that, and no
18 consequence.

19 THE CHAIRPERSON: Well, I mean, I
20 guess I would just disagree, respectfully,
21 with the characterization that there's been
22 no corrective actions. What we did with the
23 risk assessment was evaluate what regulatory
24 actions the state should take. That
25 informed our requirement in the Joint

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

186

1 PROCEEDINGS MAY 19, 2022

2 Proposal that there be these communications
3 that we have to also get, that we
4 coordinate. We're a part of that. It's not
5 just the two companies talking to one
6 another. The DPS actually facilitates and
7 hosts quarterly meetings of the two
8 companies. We have our gas safety team in
9 those meetings to discuss and hear the
10 coordination that's happened. So I don't
11 want to just --

12 MS. WILLIAMS: But they don't meet
13 that three minutes. And there has not been,
14 like you're just okay that that was not
15 true, and that all these safety assessments
16 were --

17 THE CHAIRPERSON: No.

18 MS. WILLIAMS: -- based on that.

19 THE CHAIRPERSON: No, we're not
20 okay with that, and that's why we did the
21 audit, to highlight why that was inaccurate.
22 And I think in our discussions with Rick
23 Kuprewicz, part of his beef with those
24 previous characterizations were that the
25 risks were being diminished by make -- by

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

187

1 PROCEEDINGS MAY 19, 2022
2 those statements being out there. From his
3 point of view, and that is shared by our gas
4 safety staff, you have to understand an
5 accurate portrayal of the risks in order to
6 know what are the appropriate mitigation
7 measures to take. And that was the
8 fundamental problem with those earlier risk
9 assessments. But you get to a point about
10 whether there's a violation of anything as
11 it pertains to the three minutes.

12 At the time of their
13 characterization of the three minutes, my
14 understanding, and I'm sorry about the
15 technical issues, my technical staff could
16 speak to this better than I, but, but the,
17 the regs were not in place by PHMSA to
18 require a minimum time frame by which remote
19 valves should shut off a line in the event
20 of an incident. There were no regs until
21 very recently, I think 2022 actually. And
22 now that reg is thirty minutes. So based on
23 our audit of what they can accomplish, they
24 would be within the regulatory limit that's
25 now in effect.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

188

1 PROCEEDINGS MAY 19, 2022

2 MS. WILLIAMS: And so their -- oh,
3 sorry, Sandy, go ahead.

4 ASSEMBLYWOMAN GALEF: Could we get
5 an update from PHMSA then if they're,
6 they're doing an additional --

7 MS. WILLIAMS: Yes, I have a slide
8 on that in a little bit.

9 ASSEMBLYWOMAN GALEF: Yeah. And
10 maybe they should participate here so we
11 find out --

12 THE CHAIRPERSON: I think when the Oak
13 Ridge study comes out, the Enbridge study, we
14 would want to invite --

15 ASSEMBLYWOMAN GALEF: Right.
16 Okay.

17 THE CHAIRPERSON: -- them to
18 present. So I agree.

19 MS. WILLIAMS: So the thirty
20 minutes, when you did the control room audit
21 you were in the room and you said close the
22 valve, right, and that took some certain
23 period of time.

24 THE CHAIRPERSON: So the way it
25 works is, yes, it's from the time of the

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

189

1 PROCEEDINGS MAY 19, 2022
2 incident. So at the time of the incident
3 then there's an accounting of the time it
4 takes from the incident to communicate that
5 to the control room. Then from the control
6 room there's time that they observe, the
7 staff observed from getting that information
8 conveyed to them and taking the action and
9 then swift, you know, hitting the button or
10 whatever to close the remote valve, and then
11 witnessing to see the valve close in the
12 field.

13 MS. WILLIAMS: And so in your
14 scenario they were notified that there was a
15 problem or they detected a problem?

16 THE CHAIRPERSON: I'm really sorry
17 about that. I don't want to go --

18 MS. WILLIAMS: Okay.

19 THE CHAIRPERSON: -- where my
20 technical staff should answer.

21 MS. WILLIAMS: It's the question's
22 kind of on here.

23 THE CHAIRPERSON: Yeah.

24 MS. WILLIAMS: But the reason for
25 the public that I'm asking --

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

190

1 PROCEEDINGS MAY 19, 2022

2 THE CHAIRPERSON: Yeah.

3 MS. WILLIAMS: -- is that there's
4 a difference between being told, like I've
5 got eyes on this pipeline, it has
6 ruptured --

7 THE CHAIRPERSON: Yeah.

8 MS. WILLIAMS: -- turn off the
9 gas, and what kind of data the control room
10 has to know there's been a rupture.

11 THE CHAIRPERSON: Yeah.

12 MS. WILLIAMS: And that often
13 takes thirty minutes to an hour if they
14 don't have eyes.

15 THE CHAIRPERSON: I understand
16 your question now. So, so they monitor
17 pressure on the line. And so if there's a
18 dramatic drop in pressure that would occur
19 from a rupture, our staff confirmed in the
20 control room they have access to the data to
21 show that that drop in pressure would be
22 seen by the operators that are in the
23 control room. Most likely --

24 MS. WILLIAMS: And what role did,
25 like did it matter that you have a massive

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

191

1 PROCEEDINGS MAY 19, 2022
2 compressor station just right across the
3 river just a few miles from Indian Point,
4 does the fact that it is all pressurized
5 like three miles from the plant have an
6 influence on the ability of them to detect a
7 drop in pressure?

8 THE CHAIRPERSON: Yeah. It is my
9 understanding that a rupture would show up
10 in the control room immediately as a drop in
11 pressure. So, but to your point, and it's a
12 good one, there's still humans involved.
13 And the humans in the control room have to
14 interpret the data, and they have to
15 understand what that drop means, what could
16 have caused it. And, and so that can result
17 in a delay in terms of the action taken to
18 close the valve. You're absolutely right.

19 MS. WILLIAMS: So I would ask that
20 in the answer to that question that your
21 staff review Rick Kuprewicz's documentation
22 where he seemed to think that would play a
23 role and that it would might -- it would be
24 between thirty minutes and one hour, in
25 which case maybe they would not be able to

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

192

1 PROCEEDINGS MAY 19, 2022

2 meet that PHMSA requirement.

3 Next slide, please.

4 So this is just a quick into the
5 record a statement from Dr. Irwin Redlener,
6 who's the former director of the National
7 Center for Disaster Preparedness, also at
8 Columbia University, where he made clear the
9 risks that are posed here. So shutting down
10 this gas flow should happen immediately in
11 order to avert the possibility of a
12 catastrophic explosion that would have
13 widespread deadly consequences to our
14 region. And he said that before we were
15 talking about demolishing a nuclear plant on
16 top of it.

17 Next slide, please.

18 So then we have this really
19 profound Office of the Inspector General
20 report, investigation and report from the
21 Nuclear Regulatory Commission. So that the
22 public knows and everyone on this board
23 knows, the "NRC analysis appeared to be
24 backwards engineering to get a desired
25 result." So they just kept fudging around

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

193

1 PROCEEDINGS MAY 19, 2022
2 with numbers until they were able to get an
3 okay that this -- this -- that this was
4 safe. And, you know, the last slide in this
5 deck, which we probably won't get to, is a
6 timeline back to 2013 where we showed all of
7 this. Long before there was a shovel in the
8 ground we knew all of this had happened.

9 Next slide.

10 And so like really nothing was
11 done after this investigation either. And
12 we brought up the PSDAR earlier, and I
13 thought it was really important for everyone
14 to understand that when they released their
15 response to the public comments, that they
16 said "public comments or questions that upon
17 review were found to be outside of the NRC's
18 regulatory purview or outside the scope of
19 the NRC staff's review of a post-shutdown
20 decommissioning activities report are
21 summarized below."

22 So questions or comments about NRC
23 oversight while the plant is decommissioning
24 has nothing to do with a decommissioning
25 activities report. Questions or comments

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

194

1 PROCEEDINGS MAY 19, 2022
2 about the pipeline system near Indian Point
3 during decommissioning activities, also not
4 under the purview of a decommissioning
5 activities report. Questions or comments
6 about whether the current dry cask storage
7 canisters can be monitored, inspected or
8 repaired, the decommissioning activities,
9 putting the fuel in those canisters, not
10 relevant. Questions or comments about the
11 transportation of nuclear waste on which
12 this entire decommissioning plan hinges,
13 also not relevant.

14 So the question that is kind of
15 just a rhetorical one, that does DPS and
16 does DOB and participating agencies
17 acknowledge that the NRC is not adequately
18 overseeing decommissioning? And how is the
19 DOB ensuring that critical safety issues
20 don't fall through the cracks because no
21 agency will accept or coordinate
22 responsibility for this oversight? Because
23 we've got this alphabet soup, FERC, PHMSA,
24 NRC, DPS, you know, TSA, all of these
25 agencies, and every single one wants to

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

195

1 PROCEEDINGS MAY 19, 2022

2 point to somebody else and say it's somebody
3 else's problem. And the coordination is
4 missing.

5 THE CHAIRPERSON: It's a fair
6 point. I think that DPS has a unique role
7 in that we touch a little bit in all of it.
8 And that's why we were the agency that
9 formed the Decommissioning Oversight Board.
10 I think that we understand at the state
11 level the expectations in the community for
12 oversight and we take it seriously. I think
13 the state has expressed to NRC a desire to
14 see their resident inspector stay, for
15 example.

16 MS. WILLIAMS: I mean, I'm fine
17 with it not being theirs, because their
18 resident inspectors are what got us -- their
19 lack of oversight is what's got us here. So
20 I'm a-okay with them stepping away --

21 THE CHAIRPERSON: Well, I --

22 MS. WILLIAMS: -- and DPS stepping
23 in.

24 THE CHAIRPERSON: I appreciate the
25 concerns. And I think, though, that there

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

196

1 PROCEEDINGS MAY 19, 2022
2 are some really excellent professionals
3 within the NRC. We want them to be on site,
4 we want them to be doing inspections. They
5 do find violations. They have issued
6 citations. We want them here. We want to
7 work with them. But we also recognize the
8 high standards that this community has for
9 state -- safety, we share those high
10 standards, and we are stepping in where we
11 think it's appropriate.

12 MS. WILLIAMS: Great.

13 Okay, so my next slide, yet
14 another risk assessment because we're just
15 going to talk about trying multiple shots on
16 the goal to find one that says everything is
17 safe. This was in the NRC's OIG report.
18 They contracted with Sandia National Labs to
19 do another risk assessment of what might
20 happen if the pipeline at Indian Point
21 sprung a leak. And what they found was that
22 within eight minutes of a leak in that
23 pipeline, the flammability region of that
24 gas would encompass and surround the SOCA,
25 which is the, I --

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

197

1 PROCEEDINGS MAY 19, 2022

2 MR. SIPOS: Secure --

3 MS. WILLIAMS: Secure --

4 MR. SIPOS: -- owner controlled
5 area.

6 MS. WILLIAMS: Yes. And so the
7 NRC put this in their investigation, in the
8 results of their investigation, and then
9 said that they concluded that the pipelines
10 pose no risk.

11 So, you know, does the DOB
12 acknowledge the results here, that a vapor
13 cloud could encompass the entirety of the
14 security owner controlled area within eight
15 minutes, and can you explain to this
16 community now like that the ignition of this
17 vapor cloud would have no impact on the
18 operation at Indian Point, and if so what's
19 the evidence for that, because I would think
20 at least the employees out there working
21 would most definitely be caught in that
22 conflagration.

23 THE CHAIRPERSON: So I have two
24 points on this. One, I go back to Rick
25 Kuprewicz's comments at the last meeting,

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

198

1 PROCEEDINGS MAY 19, 2022
2 where he said there could be catastrophic
3 consequences associated with a rupture.
4 He said that's why it's so critically
5 important that you just don't allow a
6 rupture. "Respect the pipeline, don't fear
7 the pipeline" were I think his exact words.
8 And by putting in the right protocols, you
9 can avoid an incident.

10 That being said, on the Sandia
11 study here you mentioned before the OIG
12 report and nothing happened. Well,
13 something did happen; the NRC was required
14 to do a reassessment. They assembled an
15 expert team to do that assessment and that
16 report came out. This document was attached
17 to that report, and I'll just quote from it.
18 "Given the accident experience from PHMSA,
19 input from the pipeline expert, local terrain
20 effects and the presence of ignition
21 sources, the team concludes that there's no
22 -- or I'm sorry, that there is reasonable
23 assurance that the safety related equipment
24 at Indian Point would enable the reactors to
25 be shut down and remain safely shut down,

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

199

1 PROCEEDINGS MAY 19, 2022

2 providing for adequate protection of public
3 health and safety." So this was the --

4 MS. WILLIAMS: Right, but we're
5 not dealing with a shutdown anymore.

6 THE CHAIRPERSON: Right. Well,
7 correct, I mean, that's --

8 MR. SIPOS: We're, we're beyond
9 that.

10 THE CHAIRPERSON: Yeah. So it's
11 a --

12 MR. SIPOS: We're beyond shutdown
13 of the reactor.

14 THE CHAIRPERSON: We're in a safer
15 position now than we were when it was an
16 operating reactor.

17 MS. WILLIAMS: And do we know that
18 the dry casks can withstand being caught
19 within a pipeline fire? And for the public
20 to know, usually when these things blow up
21 you have to evacuate for several miles
22 around because, you know, it will set your
23 house on fire and melt your siding. So are
24 those casks able to withstand that, that
25 kind of a fire?

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

200

1 PROCEEDINGS MAY 19, 2022

2 THE CHAIRPERSON: So I, I believe
3 that NRC reassessment evaluated the distance
4 of the casks to the pipelines and considered
5 what the impacts of a fire to be, and
6 concluded that yes, that it would be a safe
7 distance and a safe technology to withstand
8 any impacts associated with it.

9 MS. WILLIAMS: Okay. So I think
10 what this community feels is happening or
11 thinks is happening here or sees happening
12 here is like what happened with the Tappan
13 Zee Bridge. So there used to be federal
14 requirements for safety that said, you know,
15 the structural integrity of the bridge has
16 to be above 75 percent or it has to be
17 closed. And then the Tappan Zee was below
18 that, and so they said all right, we'll drop
19 it, now it's 70 percent, and now it's 66
20 percent. And they like -- so this is yet
21 another risk assessment. There's another
22 one coming. Like why have there been this
23 many written -- now there's going to be one
24 from Oak Ridge National Labs. Why are we
25 doing that one now, and like what -- like

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

201

1 PROCEEDINGS MAY 19, 2022
2 why do we keep doing these, and like why
3 should the -- every time it comes out with
4 results like this but we're told it's fine,
5 like it actually is okay, it doesn't affect
6 anything.

7 THE CHAIRPERSON: I think the
8 answer to the question is because I believe
9 that there's a perception that the community
10 wants further risk assessments to be done.
11 I --

12 MS. WILLIAMS: Really what we want
13 is action on the risk assessments that have
14 been done. Like going all the way back to
15 2015.

16 THE CHAIRPERSON: Right. And
17 I've, I think I've discussed earlier what
18 the state did with its own risk assessment.
19 There was actionable items in it for the
20 state to take, we took those actions. We
21 are eager to see the results of Oak Ridge's
22 study. And if there are actions, further
23 actionable items from that, we're prepared
24 to take them.

25 MS. WILLIAMS: Could I get the

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

202

1 PROCEEDINGS MAY 19, 2022

2 next slide?

3 So this is modeling done by the
4 Princeton University Program for Science and
5 Global Security. And the finding of their
6 study was that the NRC underestimates the
7 potential for a nuclear disaster. And so we
8 reached out to them and asked them if they
9 could model what would happen to the spent
10 fuel at Indian Point if there was a spent
11 fuel fire. And this was the map based on
12 2015 modeling data. And I put the citations
13 in there for both the peer-reviewed article
14 and a lay article for folks who want to read
15 it, just to remind us of what is at risk
16 here. And could I get --

17 MR. SIPOS: Can I ask a question
18 about that?

19 MS. WILLIAMS: Yeah.

20 MR. SIPOS: So when did the folks
21 at Princeton conduct this analysis?

22 MS. WILLIAMS: So the paper was
23 published in 2017.

24 MR. SIPOS: Right. I'm familiar
25 with the paper.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

203

1 PROCEEDINGS MAY 19, 2022

2 MS. WILLIAMS: Yes. And so we
3 reached out to them, I'm not sure what the
4 date is, shortly after that, and asked them
5 to model. And so they used the same weather
6 data that they had from 2015 to model it on
7 Indian Point.

8 MR. SIPOS: And so I, I understand
9 that, I'm familiar with this study, and
10 there are some related studies with it as
11 well. I just want to put it in perspective,
12 if I could, in a historical, chronological
13 perspective. Which is, 2015, 2017, whatever
14 the date was, that was while the two units
15 were generating power. It's a different
16 situation now. There are not operating
17 reactors. There is fuel, spent nuclear
18 radioactive fuel in two spent fuel pools.
19 That fuel is going to be removed from the
20 pool to a different type of storage
21 configuration.

22 MS. WILLIAMS: Mm-hmm.

23 MR. SIPOS: And I would suggest
24 that one way of looking at what has occurred
25 following the 2018 DPS or risk assessment

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

204

1 PROCEEDINGS MAY 19, 2022

2 and all the action that the state has taken
3 in the last several years, is that the risk
4 profile has decreased since the closure of
5 the reactor, and that it is, there is less
6 risk now. So I just wanted to -- you are
7 free to disagree with that.

8 MS. WILLIAMS: Well, I'm just
9 going to clarify --

10 MR. SIPOS: I just put that out
11 there.

12 MS. WILLIAMS: I wouldn't disagree
13 with you but I would like to clarify, this
14 was not modeling a reactor meltdown. This
15 was just spent fuel, of which we still have
16 some in the pools, and which we still have
17 gas flowing beneath.

18 MR. SIPOS: And in response to
19 that I would say yes, it did look at spent
20 fuel pools, but the current situation as of,
21 you know, May 2022, is a, a situation that
22 has less risk than when these learned
23 experts did the modeling. And I'm not
24 criticizing them at all. I'm, as I said,
25 I'm familiar with the study. But right now

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

205

1 PROCEEDINGS MAY 19, 2022

2 there is, there is less risk just given --

3 (Cross talk.)

4 MS. WILLIAMS: Less risk or less
5 consequence?

6 MR. SIPOS: There is -- well, I'm
7 not going to get in a word debate with
8 someone --

9 MS. WILLIAMS: Well, just for the
10 public, risk assessment is the odds of it
11 happening, and the consequence of what would
12 happen if it did.

13 MR. SIPOS: The, the risk profile
14 of a fast moving accident is less likely now
15 than it was when, when this study was first
16 published.

17 MS. WILLIAMS: And I would love to
18 see the data, and I'll go back to the NRC
19 OIG report, that said those spent fuel
20 casks, the dry fuel, the dry storage casks
21 can withstand a fire. And also, because we
22 saw the images, there's no berm or anything
23 to -- there's some elevation, but to, to
24 block this conflagration from including the
25 ISFSI pad.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

206

1 PROCEEDINGS MAY 19, 2022
2 Next slide, please.
3 So we had a hearing with our --
4 that was put together by our federal
5 electeds because we harass them just like we
6 do our local and state electeds. And so
7 they came to Cortlandt and we went through a
8 lot of the same information. And I think it
9 was somewhat embarrassing for them to claim
10 they hadn't seen it, hadn't seen this, we
11 didn't know about that, and we just produced
12 document after document after document that
13 they were cc'd on. And we laid all of this
14 out and they didn't do anything about it.
15 Or they said they're doing this, Oak Ridge
16 National Labs is doing yet another risk
17 assessment. And again, they said that this
18 three minute shutdown doesn't amount to
19 noncompliance. Which I think the public --
20 there's the letter of the law and the spirit
21 of the law, and I think it's really obvious
22 to anybody who looks at this situation that
23 the spirit of the law was most definitely
24 violated and they got away with it, and so
25 now there's no sequence.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

207

1 PROCEEDINGS MAY 19, 2022

2 So questions for the DOB. Again
3 this issue of the three minutes. But what
4 is the status of this study, and why if this
5 study is necessary is decommissioning
6 allowed to proceed and gas flow in light of
7 the regulatory failures and the need for
8 this additional risk assessment.

9 And then also, poking around on my
10 mine for like, you know, what I would have
11 to do if I was like digging in my yard,
12 there's all kinds of online tools for Know
13 Before You Dig and, and checking off like
14 your progress reports and everything. Is
15 Holtec doing those same things?

16 THE CHAIRPERSON: Well, you know,
17 the Know Before You Dig, a very critical
18 program, by the way, is meant to ensure that
19 anyone doing the work or digging has the
20 critical infrastructure mapped out for them,
21 marked out. Holtec knows very well where
22 the, where the pipelines are. And the
23 coordination and communication that we have
24 facilitated and required essentially is just
25 like that, that, that is required as Know

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

208

1 PROCEEDINGS MAY 19, 2022

2 Before You Dig.

3 The other questions we discussed
4 earlier, the regulatory --

5 MS. WILLIAMS: Do you know when
6 that study is due?

7 THE CHAIRPERSON: We don't. I,
8 you know, we're not doing it, we're not
9 controlling it, so I'm not -- I don't think
10 any of us on the DOB, anyone else?

11 MAYOR KNICKERBOCKER: No.

12 MS. WILLIAMS: Okay. We'll follow
13 up with our federal --

14 THE CHAIRPERSON: Right.

15 MS. WILLIAMS: -- electeds.

16 All right, next slide. I do think
17 we're nearing the end.

18 THE CHAIRPERSON: But, Courtney,
19 if I could just --

20 MS. WILLIAMS: Yeah.

21 THE CHAIRPERSON: With respect to
22 why is gas allowed to flow, you know,
23 again --

24 MS. WILLIAMS: Oh, yeah.

25 THE CHAIRPERSON: -- you know, I

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

209

1 PROCEEDINGS MAY 19, 2022
2 thought Rick Kuprewicz's presentation last
3 meeting was instructive. You know, he said
4 that it's, it's potentially a false sense of
5 security to shut gas off on the line for
6 various activities. Our team thinks that it
7 still may be warranted given the activity.
8 And we're not aware of any activity that
9 would warrant it, but as we learn more and
10 we get into it, we're open to that. His
11 point being that you have to take all the
12 protocols to protect the pipe whether
13 there's gas in it or not, because if you
14 turn the gas back on, having not taken the
15 protocols, then there could be damage.

16 MS. WILLIAMS: Right.

17 THE CHAIRPERSON: -- to the pipe.
18 Right? And so --

19 MS. WILLIAMS: But I think that
20 that gets at Mr. Sipos's point, which is
21 that once all that fuel is in the spent
22 fuel, in the dry storage casks and
23 everything's done, presumably our risk
24 profile will be much lower, when you re-turn
25 on the gas, right?

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

210

1 PROCEEDINGS MAY 19, 2022

2 MR. WEBSTER: Courtney --

3 MS. WILLIAMS: Yeah.

4 MR. WEBSTER: -- could I ask you a
5 question here, because the way I see it is
6 that the things that are being done in
7 decommissioning, right, they've defueled the
8 reactor, that was a good thing, right, that
9 they actually did that.

10 MS. WILLIAMS: Mm-hmm.

11 MR. WEBSTER: They're going to be
12 taking the fuel to dry storage, which will
13 get it out of the spent fuel pool.

14 MS. WILLIAMS: Mm-hmm.

15 MR. WEBSTER: So to me all of
16 those things are lowering the risk profile.
17 So --

18 MS. WILLIAMS: They are.

19 MR. WEBSTER: So aren't those
20 things that we want to happen whether the
21 gas is on or off?

22 MS. WILLIAMS: Yes. I'm not
23 saying not to -- I'm not saying leave
24 anything in the spent fuel pools.

25 MR. WEBSTER: Oh, okay.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

211

1 PROCEEDINGS MAY 19, 2022

2 Because --

3 MS. WILLIAMS: Yeah, no, no.

4 Sorry if I gave that impression, absolutely
5 not. I'm basically saying, like why is the
6 gas flowing and decommissioning proceeding
7 like we're not on top of these gas
8 transmission pipelines. Like more, more to
9 the point of turn off the --

10 MR. WEBSTER: Right.

11 MS. WILLIAMS: -- gas when we have
12 gas pipelines crisscrossing the property.

13 MR. WEBSTER: Right. And I don't
14 want to argue with you, but, you know, I
15 asked early on about this, and we tried to
16 put in weight limits and we tried to put in
17 reinforcements at crossings and so forth.
18 So I think decommissioning isn't proceeding
19 as though there is no gas in the pipeline.

20 MS. WILLIAMS: Yeah. So I just
21 want to be clear. I toured Indian Point in
22 December. There were no plates anywhere. I
23 was really surprised when you told me that
24 there's a binder in the control room with
25 the Enbridge control room phone number on

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

212

1 PROCEEDINGS MAY 19, 2022
2 it, because nobody who had given me a tour,
3 including Mr. Burroni, knew anything about
4 it. I asked like do you know who your
5 counterparts are at Enbridge, do you know
6 how to reach them, the answer was no. And
7 presumably the binder had been in the
8 control room for years at that point.
9 Nobody knew a thing about it. There were no
10 plates over anything.

11 They still think that, and
12 actually if we can get the next slide it
13 might be on there, they still think if the
14 pipeline blows up they're going to go
15 outside with fire hoses. That was in the
16 answers to the Q&A that were posted on the
17 docket. You don't fight a pipeline fire
18 with a fire hose. Like people outside, if
19 that blows up at Indian Point, are going to
20 be dead. They're not going to be outside
21 with fire hoses.

22 THE CHAIRPERSON: No, I think the
23 fire brigade I think is what you are
24 referring to. The fire brigade protects
25 systems inside. They would not -- you're

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

213

1 PROCEEDINGS MAY 19, 2022

2 right, I mean, they're not taking the fire
3 hoses out to combat --

4 MS. WILLIAMS: Can I get the next
5 slide?

6 THE CHAIRPERSON: -- a pipeline
7 fire. Yeah.

8 ASSEMBLYWOMAN GALEF: Maybe too,
9 Courtney, that maybe you want to go back
10 again, because Mr. Fern and I went, when did
11 I go, February, I can't remember. So it may
12 be, you know, your influence may have been
13 very, very helpful in a lot of the things
14 that were happening or not happening. So
15 you might want to do a secondary tour with
16 someone.

17 MS. WILLIAMS: No, I agree, I do
18 think it had something to do with that. But
19 that's why I feel like it's a little bit of
20 almost gaslighting, like I'm unreasonable
21 for saying this, even though I toured the
22 site and this was the status of things. So,
23 you know.

24 And I'm not getting the next
25 slide, whoever is running the Webex.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

214

1 PROCEEDINGS MAY 19, 2022

2 MR. WEBSTER: That's --

3 MS. WILLIAMS: But like in the
4 Q&A -- yeah.

5 MR. WEBSTER: -- we're not saying
6 you're unreasonable.

7 MS. WILLIAMS: Okay.

8 MR. WEBSTER: Again, I hope we're
9 having an honest debate about what's the
10 best approach.

11 MS. WILLIAMS: I didn't even know
12 we were debating.

13 MR. WEBSTER: Well --

14 ASSEMBLYWOMAN GALEF: Discussing.

15 MR. WEBSTER: I think I've heard,
16 I think I've heard debate, I don't know.
17 You can call it what you want.

18 MS. WILLIAMS: Okay. But in the
19 Q&A answers there was a response in the
20 answers saying that they can keep their --
21 that their fire brigade can keep --

22 THE CHAIRPERSON: Their systems.

23 MS. WILLIAMS: -- their systems
24 operational.

25 THE CHAIRPERSON: That's different

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

215

1 PROCEEDINGS MAY 19, 2022

2 than saying that they are using their fire
3 hoses to fight a pipeline fire.

4 MS. WILLIAMS: I have the exact
5 quote in the slide if we could get it.

6 THE CHAIRPERSON: All right.

7 MS. WILLIAMS: I didn't print out
8 my own slides. It may be on the next one
9 that, Tom, like your next one. I don't
10 think it's that one.

11 THE CHAIRPERSON: Oh, it's not,
12 the next one?

13 MS. WILLIAMS: I think it's the
14 next one. Yeah, that's what I was trying to
15 say. They're --, I copy pasted into the
16 bullet points there.

17 THE CHAIRPERSON: Oh, okay. I'll
18 read it to you.

19 MS. WILLIAMS: Yeah.

20 THE CHAIRPERSON: "Holtec
21 maintains that we have the capability to use
22 fire hoses to help local fire departments
23 combat a pipeline fire as stated, along with
24 local fire departments and the Enbridge
25 contact information readily available in

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

216

1 PROCEEDINGS MAY 19, 2022

2 each control room. Q&A from March DOB."

3 Okay.

4 MS. WILLIAMS: Okay. So they're
5 saying they're going to go out there with
6 fire hoses.

7 THE CHAIRPERSON: The primary
8 purpose of the fire brigade is to, is to
9 control any damage within --

10 MS. WILLIAMS: Right, mm-hmm.

11 THE CHAIRPERSON: -- their
12 systems. To the extent that there is value
13 in also going out at other locations, then
14 their fire brigade would be helping the
15 local First Responders.

16 MS. WILLIAMS: Right. But my --

17 THE CHAIRPERSON: But it's not --

18 MS. WILLIAMS: -- you understand
19 my point is --

20 THE CHAIRPERSON: I do.

21 MS. WILLIAMS: -- that they think
22 that that is an effective way of combating
23 a pipeline fire shows they don't know what
24 goes on if a pipeline ruptures, right.
25 Because spraying water, no one is going to

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

217

1 PROCEEDINGS MAY 19, 2022

2 be outside alive if that pipeline blows up
3 near, near Indian Point.

4 So that I guess I, there was a key
5 points slide and then there -- that slide
6 you're looking at has a bunch of other
7 community concerns on it, which I don't have
8 a slide to look at, so.

9 THE CHAIRPERSON: I'm sorry, I'm
10 being told it's completely frozen.

11 MR. WEBSTER: Here.

12 MS. WILLIAMS: You got it?

13 Thanks, Richard.

14 And sorry to the public, I'll --

15 THE CHAIRPERSON: These slides
16 will be --

17 MS. WILLIAMS: -- I'm sure these
18 will be uploaded to the docket. Okay.

19 THE CHAIRPERSON: They, they
20 definitely will be.

21 MS. WILLIAMS: So other topics,
22 like so there was, I heard from people there
23 are several topics that they would like a
24 future DOB presentation on. So dumping of
25 the spent fuel pool water into the Hudson.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

218

1 PROCEEDINGS MAY 19, 2022

2 And I think this is an example of like when
3 I gave my public comment of where it would
4 be helpful to have a best practices standard
5 versus what Holtec wants to do, right.
6 Because it is possible that they could store
7 that water for enough half lives that when
8 they put it into the Hudson it was no longer
9 tritiated and not -- no longer radioactive.
10 But that might take twelve years and they
11 want to be done in twelve years. So what
12 they want to do based on the cost is not
13 necessarily what would be a best practice in
14 terms of public health, public safety and
15 environmental safety.

16 I also heard from folks that they
17 want a presentation of hardened on site
18 storage of waste, and how that compares to
19 what Holtec's proposing. A presentation by
20 the TSA on cybersecurity given the con --
21 the pipeline hacking that has happened in
22 the past.

23 A comp, like a compare and
24 contrast of our multiple different risk
25 assessments from Accufacts, New York State,

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

219

1 PROCEEDINGS MAY 19, 2022

2 Sandia Labs and now Oak Ridge Labs, like why
3 are we doing all of them and how does it
4 compare.

5 Holtec, they come before the
6 firing squad almost every meeting, why isn't
7 Enbridge ever here. So can we have Enbridge
8 presentations on safety measures. That
9 whole concrete bridge underground thing that
10 Mr. Burroni mentioned, Rick Kuprewicz is on
11 the record as saying putting a concrete slab
12 can just make a concrete projectile if
13 there's a pipeline rupture. So we should
14 know what they're proposing.

15 And I'm also concerned with the
16 increased capacity on the 24 inch auxiliary
17 pipeline that they're working on right now.
18 Are they planning to put that back into
19 service and are we going to have a, an angry
20 tugboat captain or perhaps an angry
21 Riverkeeper patrol boat captain with a
22 damaged boat.

23 Also, the notification of venting.
24 I didn't get notification until after it was
25 done and I happened to see it posted on, I

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

220

1 PROCEEDINGS MAY 19, 2022

2 forget if it was Village -- the Village of
3 Buchanan's Facebook or Town of Cortlandt
4 Facebook.

5 Lots of questions about school
6 safety. I really liked the presentation
7 today. And it sounds like we can get
8 adequate funding if their Cadillac plan was
9 still under the 500,000 we gave -- we got
10 from the state, although I would argue that
11 my kids and the other 300 kids and staff at
12 that school are worth way more than \$500,000
13 and we should throw the money at it that it
14 takes to keep those students and staff safe.

15 I also think in the school safety
16 thing there was a lot of confusion at the
17 last meeting about the timeline of
18 demolition, where there was -- the
19 presentation and the discussion was saying
20 it was a decade away, which was clearly not
21 true and I don't know how that happened.

22 And then the next section I guess
23 I'll skip over because we kind of talked
24 about it, but Holtec employee awareness of
25 the pipeline, because in December nobody

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

221

1 PROCEEDINGS MAY 19, 2022

2 knew nothing. We definitely need more than
3 just the control room people, who won't
4 hear, see or realize there's a pipeline
5 rupture. We need all the employees on the
6 site aware of what to listen for so they can
7 call the control room before there's a fire.

8 There's also a large lack of trust
9 in Holtec, which I think you heard tonight
10 from this community. A lot of concern about
11 small modular reactors and putting those at
12 Indian Point like they are doing at Oyster
13 Creek. The safety record at Oyster Creek,
14 the treatment of union workers at Oyster
15 Creek. There was a recent Washington Post
16 expose which was mentioned earlier. I
17 encourage everybody to read it. We do not
18 want that happening here.

19 And then in terms of the public
20 input, I'm really excited that there's going
21 to be more back and forth with the Q&A
22 because I think seeing how this worked is
23 much better than just like every three
24 months someone asks and then we get an
25 answer.

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

222

1 PROCEEDINGS MAY 19, 2022

2 Of course accessibility. I would
3 also like to bring up the need, which I saw
4 in the Webex that closed captioning was
5 available, but also interpretation for ASL
6 and in Spanish. And to encourage those
7 remotely participating to turn on their
8 cameras, because as a member of the public
9 it is really crummy to just look at a panel
10 of names and not get to see the folks that
11 we're interacting with.

12 And I think someone in the public
13 comments brought up there's all these
14 comments on the docket but we never hear a
15 summary or discussion of them here. And so
16 Tina I think did mention all of the comments
17 calling for the shutting off of the gas.
18 But so I think some kind of like summary and
19 report back of what people are putting on
20 that docket and a response to it.

21 And then outreach about these
22 meetings and solicitation of the comments.
23 I think we always wind up like word of mouth
24 finding out when these meetings are
25 happening. So I think it could be much

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

223

1 PROCEEDINGS MAY 19, 2022

2 better to solicit a public input.

3 And I believe that was all my
4 slides. The very last slide is really just
5 all my questions put in one spot to make it
6 easier for responses.

7 THE CHAIRPERSON: Thank you very
8 much, Courtney. That was a great
9 presentation and I agree it was a good
10 exchange.

11 MS. WILLIAMS: And thanks for, I
12 assume we went way over time, and I
13 appreciate it.

14 THE CHAIRPERSON: We did. And
15 that's mostly our fault because of these
16 technical difficulties. And I want to again
17 apologize to the entire audience and the DOB
18 members. I take full responsibility for
19 everything that goes on with these meetings.
20 And I appreciate Supervisor Becker's good
21 recommendation that if we're having it here
22 that the people that are most familiar with
23 the technology here run, run the show.

24 I have to apologize to the
25 remaining four or five speakers that were in

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

224

1 PROCEEDINGS MAY 19, 2022
2 the queue. We wanted to get to you. It's
3 almost ten o'clock, the technical challenges
4 are continuing. I think people would like
5 to wrap the meeting at this point. I want
6 to keep track of the names that are in the
7 queue and commit that you will be the very
8 first to be offered an opportunity to speak
9 at the public forum in July. But with
10 that --

11 MR. WEBSTER: One point.

12 THE CHAIRPERSON: Yes, Richard.

13 MR. WEBSTER: Just one thing.

14 There is a provision in the Joint Proposal
15 that says that Holtec can't site SMRs at the
16 site unless they get approval at the state
17 and local municipalities. They can't even
18 apply for siting.

19 MS. WILLIAMS: Right. So but I
20 think -- the folks I've heard from don't
21 want one there. So I'd be curious to hear,
22 you know, like have a presentation on what
23 it is so this community is aware.

24 MR. WEBSTER: I mean, you know, it
25 was written into the, into the JP to give

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

225

1 PROCEEDINGS MAY 19, 2022
2 people some assurance that Holtec can't
3 slide -- slide application into the NRC and
4 get it approved.

5 THE CHAIRPERSON: Yeah, and look,
6 I think that that goes to the future use of
7 the site. We started to talk about that
8 earlier with Manna's comments and others.
9 And I think that's going to be an ongoing
10 topic of discussion. And the topics that
11 you raised are topics we also aware of and
12 are thinking about for future --

13 MS. WILLIAMS: Great.

14 THE CHAIRPERSON: -- things. So I
15 appreciate that.

16 With that, I, I really appreciate
17 everyone's patience tonight. This is a
18 difficult meeting with the technology
19 challenges. We're going to do better. And
20 I'll wish you all a good night. Thank you.

21 (Time noted: 9:51 p.m.)
22
23
24
25

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

226

1 PROCEEDINGS MAY 19, 2022

2 C E R T I F I C A T E

3

4 STATE OF NEW YORK)

5) SS:

6 COUNTY OF ORANGE)

7

8

9 I, KARI L. REED, a Shorthand

10

11 Reporter (Stenotype) and Notary Public with

12

13 and for the State of New York, do hereby

14

15 certify:

16

17 I reported the proceedings in the

18

19 within-entitled matter and that the within

20

21 transcript is a true record of such

22

23 proceedings.

24

25 I further certify that I am not

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

227

1

2

related, by blood or marriage, to any of the

3

4

parties in this matter and that I am in no

5

6

way interested in the outcome of this

7

8

matter.

9

10

IN WITNESS WHEREOF, I have

11

12

hereunto set my hand this 30th day of May,

13

14

2022.

15

16

Kari L. Reed

17

KARI L. REED

18

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

A		
a-okay (1) 195:20	187:23	43:3 53:6,9,22
abatement (1) 144:9	accomplished (1) 29:17	56:9,10 69:17
ability (2) 56:24 191:6	account (4) 28:15 141:20 164:25 178:19	70:17 101:17
able (20) 5:4 9:2 16:2 20:23 23:14 61:23 91:18 93:8 104:10,16 112:19 115:16 122:17 128:7 152:2 160:16 184:24 191:25 193:2 199:24	accounting (1) 189:3	119:17 133:15,17 145:15 149:2 155:23,24 182:2,15 193:20,25 194:3,5 194:8 209:6
abnormal (1) 15:15	Accufacts (2) 179:6 218:25	activity (7) 16:16 77:5 165:15 182:19 184:12 209:7,8
absolute (1) 163:23	accuracy (2) 143:14 150:5	actual (4) 59:3 143:14 153:17 182:18
absolutely (8) 55:5 86:5 90:2 96:12,19 120:7 191:18 211:4	accurate (2) 141:25 187:5	actuality (1) 76:22
absurd (1) 113:24	achieve (1) 132:24	ad (1) 160:4
accelerate (1) 104:12	acknowledge (7) 14:16 15:7 172:20 172:25 182:6 194:17 197:12	ADAMS (1) 18:23
accept (2) 106:24 194:21	acknowledged (4) 10:11,12 19:9 89:23	add (3) 101:19 156:3 173:9
acceptable (1) 126:3	acreage (1) 82:15	adding (1) 11:19
acceptance (2) 42:10 42:19	acronyms (1) 18:21	addition (6) 6:9 106:10 141:11,15 150:24 156:22
accepted (1) 180:10	Act (1) 117:13	additional (28) 31:10,12 42:7 54:6 59:5 73:22 76:23 102:4 138:16 139:10,12,21 140:2 140:10,17 141:24 142:19 143:4 145:18,23 146:3,4 148:7 149:18 150:3 177:13 188:6 207:8
accepting (1) 36:10	action (18) 97:17 100:13 135:10 139:9,10 148:7 179:4 181:18 182:24 183:15 184:6,6,8 185:13 189:8 191:17 201:13 204:2	address (4) 130:14 171:6,10 176:21
access (10) 69:22,25 70:2 95:15 99:8 146:13 150:20 165:6 175:11 190:20	actionable (3) 9:21 201:19,23	addressed (2) 11:18 119:21
accessibility (2) 135:21 222:2	actions (7) 10:5,14 182:21 185:22,24 201:20,22	adequate (3) 177:5 199:2 220:8
accessible (2) 116:10 138:21	activating (1) 67:18	adequately (2) 113:12 194:17
accessing (2) 150:22 150:23	active (2) 10:23 161:18	administration (4) 150:15,22 172:14 172:23
accident (4) 66:20 135:8 198:18 205:14	actively (2) 25:20 67:24	administrative (1) 24:17
accidents (1) 130:11	activists (1) 180:21	admitting (2) 127:7
accommodate (2) 40:6 104:4	activities (36) 7:18 8:10 18:20 30:3,8 30:21 35:21,25 38:7,9,15 42:16	
accomplish (2) 31:9		

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

129:23	agreement (5) 15:8	149:7
adopted (1) 135:22	25:22 111:20 112:3	alternatives (1)
advance (6) 12:9	175:3	184:16
29:8 95:21,25	ahead (8) 11:16	Alyse (5) 2:12 5:15
99:25 101:6	17:17 25:14 27:19	22:5,11 108:16
advancing (1) 96:5	29:8 91:19 105:3	ambient (4) 141:9
advice (1) 92:23	188:3	150:9 163:20 165:6
advisor (1) 160:4	air (25) 55:7 95:9	amendment (1) 22:15
Advisory (1) 171:5	100:11,17,18,24	amount (8) 22:13
advocacy (1) 120:9	110:16 140:4,19	68:24 98:12 116:16
advocate (2) 113:12	141:5,9,20,24	117:14 136:8,19
171:18	142:2,5 143:19	206:18
advocates (1) 130:6	156:8,12,12 163:13	analysis (7) 173:3
Aeroqual (2) 140:21	163:20 164:9,13,25	179:14,17,19 181:9
150:18	171:10	192:23 202:21
Aeroqual's (1) 143:9	Al (1) 118:17	analyze (1) 156:18
affect (4) 134:20	alarmed (1) 71:4	angry (3) 177:20
139:21 162:25	Albany (1) 151:22	219:19,20
201:5	alerts (2) 148:24	annual (4) 17:18
agencies (21) 7:2	150:20	157:8,13 172:8
9:21 10:18 12:13	Algonquin (9) 99:20	answer (15) 7:9
15:10 17:11 20:9	100:16,23 101:6,8	22:20 78:16 108:5
22:2,3,5,9 26:10	101:16,21 171:25	108:9 111:2 162:23
27:2 95:2 107:23	172:12	167:9 176:15
107:25 108:11,13	Algonquin's (1)	178:22 189:20
120:15 194:16,25	101:2	191:20 201:8 212:6
agency (6) 6:10	alive (1) 217:2	221:25
14:11 108:16	Alliance (1) 171:9	answered (2) 157:2
130:23 194:21	allow (9) 58:4,24	165:25
195:8	84:7 141:6,19,25	answers (6) 68:22
agenda (9) 4:6 6:7,9	143:24 152:24	107:18 173:7
6:21,23 29:15	198:5	212:16 214:19,20
104:12 122:13	allowable (2) 163:19	anti-NRC (1) 88:13
161:9	164:2	anticipate (1) 17:22
agendas (1) 11:19	allowance (2) 95:14	anticipated (1) 19:2
ago (6) 9:3 70:7	99:6	anybody (6) 49:20
71:25 107:19 155:9	allowed (3) 85:5	81:18 83:8,17
159:18	207:6 208:22	86:10 206:22
agree (12) 48:16	allowing (2) 129:4	anymore (2) 131:6
78:19 84:21 102:3	177:7	199:5
163:22 168:3	allows (5) 84:14	anyway (7) 29:15
174:22 179:12,16	105:18 141:8 150:7	33:3 36:12 119:7
188:18 213:17	150:19	120:22 121:17
223:9	Alpha (2) 64:24 65:4	129:3
agreeable (1) 102:6	alphabet (1) 194:23	apart (1) 54:19
agreed (4) 16:24	alter (1) 101:13	API (1) 150:19
89:6,9 147:2	alternate (2) 100:6	Apologies (1) 158:14

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

apologize (11) 4:18 76:16,19 91:17 117:2 124:18 131:19 168:5 172:5 223:17,24	49:21 69:22,24 136:12 164:6,8 178:9 197:5,14	Assemblywoman (27) 2:4 5:7 13:7,20 14:6 21:15,18 23:7 23:12 45:6,11,14 64:13,18,22 65:6 65:11,16,22 103:6 103:12 115:17 188:4,9,15 213:8 214:14
appeared (2) 10:3 192:23	areas (6) 11:9 29:24 30:16,19 33:25 181:13	assess (3) 121:7 153:5 184:7
applause (3) 81:17 155:4 158:21	argue (5) 86:19,21 89:12 211:14 220:10	assessed (2) 134:15 134:16
application (4) 22:15 24:25 26:4 225:3	Arkansas (1) 177:18	assessment (33) 119:11 121:5,10 132:17 134:3,12,12 137:7 172:16 173:23,25 179:12 179:24 180:4,7,10 181:13 182:8,9,12 182:20 185:10,11 185:23 196:14,19 198:15 200:21 201:18 203:25 205:10 206:17 207:8
apply (4) 90:25 94:5 94:16 224:18	arrive (1) 42:20	assessments (7) 179:3,21 186:15 187:9 201:10,13 218:25
appreciate (11) 10:19 13:3 92:5 93:2 98:22 169:10 195:24 223:13,20 225:15,16	arrived (2) 25:22 105:6	assistant (2) 2:8 5:10
appreciates (1) 178:21	arrogance (1) 130:21	associated (3) 146:10 198:3 200:8
appreciation (1) 158:22	article (6) 20:18 129:10 130:4,24 202:13,14	assume (5) 13:16 66:3 103:8 154:17 223:12
approach (3) 21:5 135:24 214:10	asbestos (11) 134:22 140:8,12 142:18,21 142:22 144:6,7 147:19 163:2,6	assuming (3) 107:22 113:15 114:2
approaches (1) 93:4	ascertained (1) 141:25	assumptions (1) 165:17
appropriate (3) 106:10 187:6 196:11	ascertainment (1) 142:2	assurance (3) 126:10 198:23 225:2
approval (5) 19:12 42:2 101:23 181:16 224:16	asked (8) 8:3 120:19 133:16 177:2 202:8 203:4 211:15 212:4	assure (1) 159:23
approvals (1) 9:25	asking (8) 21:19 83:6,10 86:2 110:23 125:16 172:20 189:25	attached (1) 198:16
approve (3) 76:24 88:8 184:14	asks (2) 176:25 221:24	attempt (3) 23:20 122:8,12
approved (3) 8:20 180:22 225:4	ASL (1) 222:5	
approving (1) 101:10	aspect (3) 20:8 27:4 28:7	
approximate (1) 147:7	aspects (1) 138:10	
AQM65 (5) 140:20 141:12,12,13 143:8	assembled (1) 198:14	
AQS1 (4) 140:20 141:11 143:7,10	assemblies (3) 34:13 34:16 35:11	
area (17) 12:17 26:15 34:10 41:20 44:12,14,17 48:4	assembly (8) 20:22 35:6 38:19 42:6,8 109:15,25 110:8	
	Assemblymember (1) 121:14	

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

attempted (1) 4:17	113:4 152:24	187:22 202:11
attempts (1) 123:9	163:11 209:8 221:6	218:12
attend (4) 112:19	224:23 225:11	baseline (3) 147:10
115:16 128:21	awareness (1) 220:24	155:11,14
131:5	awkward (2) 91:7	baselines (1) 165:7
attendance (1) 5:5	94:17	BASF (1) 164:12
attended (1) 17:12	B	basically (16) 29:16
attendees (1) 5:4	bachelors (1) 162:5	44:15 48:5 61:25
attending (2) 23:15	back (36) 8:7 11:17	74:14 91:4 106:25
23:17	12:21 25:10 28:19	110:22 144:21
attention (1) 161:14	31:6 33:2,2,3	147:25 149:17
attitude (2) 129:12	40:17 52:22 70:22	153:21 154:2 183:8
129:17	79:6 82:10,15,16	185:13 211:5
attorney (1) 28:11	84:19 102:11	basis (1) 106:7
audience (16) 25:7	125:13 129:24	bathes (1) 110:19
86:12 92:7 103:19	166:15 169:7 170:3	battery (1) 117:8
105:9 151:17 158:9	170:14,22,23	Bay (1) 126:2
158:21 167:5,8,11	173:18 193:6	bear (1) 162:12
167:15,21,24 168:5	197:24 201:14	beating (1) 88:14
223:17	205:18 209:14	Becker (7) 2:2 4:2
audio (1) 122:17	213:9 219:18	4:12 5:9 6:8
audit (8) 174:8	221:21 222:19	151:13,14
182:25 183:2,2,16	backfilled (1) 31:23	Becker's (1) 223:20
186:21 187:23	background (5) 115:9	bed (3) 66:11,11,14
188:20	137:10 151:18	beef (1) 186:23
August (11) 18:12	152:15 154:15	began (1) 159:10
33:18,20 34:20	backup (10) 39:3	begged (1) 120:19
38:12 42:15 75:9	40:4,15 46:3,4,5	beginning (3) 18:17
75:12 76:21 77:2	46:19,22 117:8	124:14 159:16
94:3	178:13	behalf (1) 25:12
author (1) 163:16	backups (1) 43:11	believe (14) 28:7,10
authority (1) 172:23	backwards (1) 192:24	42:24 51:8 52:13
auxiliary (3) 177:14	bad (6) 39:9,9 94:17	60:5 125:23 126:22
177:17 219:16	143:2 144:18	131:23 148:12
AV (2) 91:13 92:14	185:11	151:11 200:2 201:8
available (8) 23:24	bag (1) 113:18	223:3
27:21 58:8 142:12	ball (1) 178:12	beneath (1) 204:17
169:15,17 215:25	bare (1) 163:23	benefits (1) 149:16
222:5	barrel (1) 126:11	berm (3) 47:20 49:9
Avenue (1) 153:9	base (1) 82:18	205:22
average (1) 172:8	based (17) 8:12	berms (1) 126:14
avert (1) 192:11	45:22 74:24 75:8	best (9) 81:16 113:2
avoid (4) 98:25	75:16 97:10 113:8	113:5,10 115:3
102:14 128:19	134:17 136:3	135:18 214:10
198:9	181:16 182:14,18	218:4,13
avoided (1) 100:6	184:19 186:18	better (11) 21:4
aware (9) 22:22 23:4		42:25 47:14 99:3

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

106:25 107:2	217:2	bringing (1) 62:10
135:17 187:16	blue (4) 140:24	brings (1) 161:14
221:23 223:2	141:2 143:10	broad (2) 29:24
225:19	156:23	30:16
beyond (3) 130:21	board (21) 1:2,5 2:1	brought (4) 113:3
199:8,12	2:3 4:4 7:15 9:9	115:14 193:12
big (9) 21:11 31:15	31:20 35:5 38:18	222:13
31:16 37:13 71:21	42:5 53:11 69:16	Buchanan (4) 2:5
74:22 91:11 153:11	70:5 114:22 119:13	26:13 72:25 152:20
176:16	154:20 160:5	Buchanan's (1) 220:3
bill (3) 2:15 5:17	163:11 192:22	Buchanan-Verplanc...
28:21	195:9	113:21 132:18
binder (3) 177:3	boat (11) 48:11,16	133:20,23
211:24 212:7	48:20,25 49:7	budget (3) 17:17
binding (1) 37:3	50:11,20 71:15	83:2 151:4
biochemistry (1)	126:21 219:21,22	buffer (1) 151:4
162:7	boathouse (1) 71:14	build (3) 40:11
biological (1)	bolting (1) 37:7	82:17 155:11
162:10	book (1) 22:13	Builders (2) 32:17
biology (2) 162:6,8	books (1) 114:2	40:11
biophysics (1) 162:7	bosses (2) 88:4,16	building (29) 30:2,7
bisect (1) 176:8	bottom (5) 54:15	30:20,22 35:19,25
bit (14) 13:2 26:21	57:15 103:23	36:25 38:5 39:13
77:13 83:11 122:5	176:14 178:8	39:15,25 40:3 41:3
137:9 139:5 146:12	box (1) 177:7	41:22 55:6,8 57:20
146:15 147:23	boxes (1) 176:23	69:8,14,17 70:6
151:12 188:8 195:7	boxing (1) 33:15	71:3,7,21 73:9,13
213:19	bracket (1) 148:6	73:19,20 74:9
black (1) 54:15	brackets (2) 147:6	buildings (14) 30:3
Blackout (1) 178:16	148:3	34:11 53:7 69:21
blade (1) 60:3	Bravo (2) 64:24 65:4	70:3 71:2 73:4,5
blades (1) 60:4	breadth (1) 159:24	73:23 74:6,7 83:16
Blanch (1) 179:9	breaking (1) 144:19	121:6 135:14
blank (1) 71:19	breast (1) 128:20	built (2) 172:11
blast (1) 178:9	bridge (8) 100:11,17	185:15
blessed (1) 161:10	100:18,24 161:4	bullet (5) 39:20
block (1) 205:24	200:13,15 219:9	95:17 99:5,10
blocks (8) 55:18,20	Bridget (2) 15:12	215:16
55:21 65:25 66:3,8	16:2	bullets (2) 95:3
66:18,21	brief (1) 19:5	98:4
blood (1) 227:2	briefly (1) 74:13	bump (1) 12:2
blow (1) 199:20	brigade (5) 212:23	bunch (3) 125:15
blowing (3) 155:12	212:24 214:21	176:13 217:6
177:18 178:5	216:8,14	burns (1) 164:17
blown (2) 156:8	bring (5) 57:22	Burroni (156) 2:22
177:25	82:23 95:18 162:12	3:5 5:18 24:2 29:2
blows (3) 212:14,19	222:3	29:4,9,11 41:6

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

44:7,11,25 45:9,13 45:16 46:5,11,17 46:21,25 47:7,18 47:22 48:12,18,21 49:2,5,8,13,24 50:6,13,15,21 51:3 51:7,15,18,21,24 52:11,18,21,24 53:2 61:5,10,15 62:8,15,25 63:4,8 63:16,19,22,25 64:7,12,17,20,23 65:9,13,17 66:5,7 67:3,15,18,25 68:6 68:9,16 69:2,10,13 74:12 75:25 76:6,9 76:16,19 77:15,18 77:22,25 78:5,9,12 78:16,23 79:4,10 79:14,17,23 80:7 80:19,24 81:4,18 81:21,25 82:6,20 82:25 83:4,8,13,21 83:24 84:6,13,20 84:24 85:3,8,15,24 86:5,7,10,13,18,23 87:6 89:7,11,16 90:2 94:22 96:10 96:19 97:15,19 98:2,18,21 103:2,9 109:9,12,19,23 110:3,6,10,13,17 126:16,16 129:6 212:3 219:10 business (3) 136:7,9 139:8 Buttigieg (1) 119:21 button (1) 189:9 buy-in (1) 137:22 BV (22) 6:16 95:7 98:13 139:22 140:3 140:6,25 141:8,13 141:18,24 143:20 144:7 148:25 149:24 150:16 152:18 156:23 164:11,21 170:18	170:18 BV's (1) 150:6 <hr/> <p style="text-align: center;">C</p> <hr/> C (3) 65:2 226:2,2 cable (1) 66:17 Cadillac (1) 220:8 cadmium (1) 164:15 calculations (1) 75:9 call (20) 4:24 8:5 12:18 24:2 27:8 44:16 57:23 71:6 110:14 122:9 125:14 127:7,12 134:19 160:3 172:25 174:25 175:2 214:17 221:7 called (10) 33:10 34:4 52:14 57:20 66:11 98:14 140:21 177:20,23 180:21 calling (3) 31:4 181:20 222:17 cameras (1) 222:8 campaign (2) 34:19 34:21 campus (2) 141:19 150:6 Canada (2) 59:10,15 cancel (1) 93:11 cancer (2) 128:20 171:16 canister (3) 36:14 37:25 48:2 canisters (5) 62:19 62:22,22 194:7,9 Canyon (1) 96:22 cap (1) 63:24 capability (4) 15:4 15:4 16:9 215:21 capable (1) 49:20 capacity (2) 160:6 219:16 Cape (1) 125:25 CAPEX (1) 137:20 capital (2) 137:20	137:21 capstone (2) 132:23 153:13 captain (3) 177:20 219:20,21 captioning (1) 222:4 capture (1) 165:14 captured (2) 100:13 130:23 car (2) 65:19 175:13 card (1) 105:5 care (1) 40:21 cared (1) 130:20 careful (1) 28:11 Carey (13) 2:15 5:17 61:3,4,6,11 62:7 62:13,24 63:2,7 91:19,20 carried (3) 140:13 140:13 142:21 carry (2) 112:4 144:8 cartridges (1) 98:25 case (7) 4:15 89:25 104:23 105:7 149:5 158:10 191:25 cases (1) 14:4 cask (17) 19:22 31:16 32:4 35:9,12 36:5,12 37:8,12 45:17,21 63:5 107:2 109:3,3,3 194:6 casked (3) 34:13,17 97:3 casks (24) 31:13,17 34:15,18 35:9,17 36:4,21 37:14 38:4 38:10 39:14 50:12 73:18 97:3 106:15 106:16 125:19 199:18,24 200:4 205:20,20 209:22 catastrophic (3) 144:13 192:12 198:2 catches (1) 22:6
--	--	--

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

<p>categories (1) 23:10 caught (3) 5:22 197:21 199:18 caused (1) 191:16 causing (1) 155:24 caution (1) 149:2 cautionary (1) 135:23 cavity (8) 53:18 54:6 56:19 59:2,15 59:20 68:17,18 cc'd (1) 206:13 cease (3) 100:25 148:25 181:24 ceasing (1) 181:21 cell (1) 75:7 center (2) 71:9 192:7 certain (3) 19:12 23:2 188:22 certainly (1) 169:17 Certificate (1) 125:18 certify (2) 226:15 226:25 cetera (1) 164:16 CFR (3) 74:17,21 80:16 chair (1) 5:23 chairperson (169) 1:12 4:10,11 13:19 13:22 14:7,20 15:18 17:3 20:11 21:12,17 23:13 24:8 25:9 27:7,9 27:15,18,23 28:2 28:23 29:3,5 41:4 48:19,23 49:3 52:3 61:2 63:10 65:23 86:16 89:14,22 90:3,12,17 91:9,24 92:14,21 93:2 94:20 95:19,24 96:9 102:25 103:4 103:10,13,16 104:21,24 105:10 107:4,10,20 109:7</p>	<p>111:10,23 114:4,7 114:10 117:18 118:5,9,13 121:19 121:22 122:2,7,22 123:2 124:24 125:5 132:11 151:10 155:3,5,25 156:25 157:4,11 158:2,8 158:15 159:2 161:6 166:6,14,17,24 167:4 168:9,11,16 168:20,22,24 169:3 169:9,16,20,24 170:5,8,11 173:5 173:11,14,24 179:18,23 180:5 182:11 183:9,14 185:19 186:17,19 188:12,17,24 189:16,19,23 190:2 190:7,11,15 191:8 195:5,21,24 197:23 199:6,10,14 200:2 201:7,16 207:16 208:7,14,18,21,25 209:17 212:22 213:6 214:22,25 215:6,11,17,20 216:7,11,17,20 217:9,15,19 223:7 223:14 224:12 225:5,14 challenges (2) 224:3 225:19 Champion (1) 70:13 chance (1) 84:8 change (14) 42:12 81:5,8 87:14 88:3 89:5,5 100:18,20 100:20,22 142:11 148:22 165:24 changed (2) 6:20 150:24 changes (3) 9:24 88:20 102:12 chapter (1) 22:12 characterization (2)</p>	<p>185:21 187:13 characterizations... 186:24 Charlie (2) 64:25 65:4 chat (2) 112:15 127:11 check (6) 90:9 92:15 92:21 93:7 155:19 176:22 checking (1) 207:13 checkpoint (1) 70:6 checks (2) 140:12 142:21 chemical (1) 164:12 children (4) 113:20 154:13 159:7 160:25 chime (1) 90:18 choice (5) 85:19,20 88:6 107:3 148:9 choose (3) 4:16 128:25 135:17 chronological (1) 203:12 chunk (1) 178:15 churned (1) 156:9 circle (1) 16:6 circled (2) 181:21 182:13 circumstance (1) 78:22 citation (1) 18:22 citations (7) 9:14 9:23 10:7,11 147:22 196:6 202:12 cited (1) 162:19 citing (2) 26:12 173:17 Citizen (3) 24:19 25:20 28:5 citizens (3) 79:10 79:21,24 City (2) 171:4 178:2 cladding (1) 109:14 claim (1) 206:9</p>
---	---	--

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

claims (1) 181:7	137:16 145:23	commenced (3) 39:2
clapping (1) 81:18	147:19 149:19	56:4,8
clarification (2) 75:22 145:3	Cod (1) 125:25	commend (1) 154:16
clarify (2) 204:9,13	code (2) 175:11,14	comment (11) 18:12
class (1) 65:2	Coe (1) 133:12	20:15 27:16,20
classroom (2) 143:15 143:16	coffee (1) 177:5	28:9,14 79:5 83:14
classrooms (1) 143:14	cold (1) 58:24	110:25 113:19
clean (7) 54:21	collaboration (1) 26:25	218:3
57:24 62:4,11 71:7	collecting (1) 94:10	commenting (1) 94:2
72:4,5	colocation (5)	comments (20) 18:9
cleaned (4) 70:12	120:24 162:13	19:5 92:3 94:11
72:13 117:5,10	170:20 174:15	108:18,18 151:9
cleaners (1) 71:6	184:2	159:17 193:15,16
clear (9) 74:5	Columbia (13) 3:13	193:22,25 194:5,10
113:10 115:6	3:14 6:14 91:18	197:25 222:13,14
139:14 163:12,19	93:8 95:7 98:9	222:16,22 225:8
165:19 192:8	122:14 132:19	commission (7) 18:8
211:21	153:7 158:18 160:2	18:18 163:16
clearance (1) 179:10	192:8	180:12,13 181:4
clearly (4) 30:25	column (1) 144:23	192:21
47:12 105:2 220:20	combat (2) 213:3	commissioned (1) 179:4
Clearwater (3) 14:17	215:23	commit (1) 224:7
114:16,18	combating (1) 216:22	commitment (1) 8:2
climate (4) 117:12	combination (1) 162:24	commitments (1) 30:12
118:16,19 171:12	combined (1) 117:7	committed (1) 100:7
close (9) 140:6	come (23) 13:13 36:9	committee (1) 121:11
142:5 152:18	38:12 49:21 50:19	common (1) 81:15
164:11 171:24	58:22 62:20 66:12	communicate (2) 155:21 189:4
188:21 189:10,11	72:4,14,14,18	communication (4) 102:23 115:2
191:18	76:21 82:15 84:19	160:10 207:23
closed (3) 17:9	87:20 92:15 98:10	communications (2) 184:19 186:2
200:17 222:4	105:13 109:8 110:6	communities (3) 7:7
closure (5) 1:4	128:23 219:5	114:24 167:18
10:25 15:5 116:19	comes (8) 44:22 69:5	community (40) 2:23
204:4	114:25 147:12	6:18 7:11 8:22,24
cloud (4) 120:25	150:22 152:25	10:23 11:3,7,20,21
121:2 197:13,17	188:13 201:3	12:11 13:9 26:8
Co-founded (1) 171:5	comfort (1) 40:3	86:25 87:2 93:16
co-relation (1) 141:6	coming (11) 17:24	112:15 113:23
Coast (2) 177:20,22	18:10 54:21 57:23	116:18 118:23
COC (2) 139:21 145:7	105:14 117:25	122:9 134:21
COCs (7) 134:19	148:22 152:7 159:9	152:21 154:23
135:12 136:25	166:10 200:22	
	commence (2) 53:23	
	54:7	

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

161:10,13,14,18 163:6 175:5 180:19 185:8 195:11 196:8 197:16 200:10 201:9 217:7 221:10 224:23 comp (1) 218:23 companies (2) 186:5 186:8 company (3) 12:13 140:21 173:24 compare (3) 112:25 218:23 219:4 compared (1) 62:5 compares (1) 218:18 competency (2) 160:20,25 complaining (1) 82:5 complete (12) 32:19 33:14,16 35:6,22 35:23,25 41:7 42:17 55:9 56:11 56:13 completed (7) 38:19 38:22 39:17 42:15 53:19 54:24 60:21 completely (3) 165:19 180:18 217:10 complex (2) 70:21 72:23 compliance (5) 18:2 89:17 125:19 173:20,20 compliant (2) 172:16 173:2 comply (1) 111:22 component (1) 37:21 components (3) 36:17 37:21 46:13 compounds (4) 98:17 98:20 134:22 139:25 comprehensive (1) 26:19 compressor (1) 191:2 computer (4) 92:10	92:12,19 175:15 con (1) 218:20 concentration (1) 69:20 concern (21) 10:2 48:7 109:5 115:18 133:15,17,19 134:13,18,24 135:10,20 141:14 152:25 154:5 159:5 165:10 183:15 184:23 185:8 221:10 concerned (9) 125:21 126:23 127:3,10 128:2 145:24 152:20 182:10 219:15 concerning (2) 19:18 19:25 concerns (10) 16:25 26:9 40:19 106:12 106:19 152:17 156:5 184:15 195:25 217:7 concluded (2) 197:9 200:6 concludes (3) 20:7 31:2 198:21 conclusions (1) 179:13 concrete (8) 33:12 52:12 55:21,21 73:5 219:9,11,12 condition (1) 142:22 conduct (1) 202:21 conducting (2) 174:6 174:8 conduits (1) 31:24 confidence (1) 131:2 confident (4) 26:23 41:14 43:3 80:8 configuration (6) 66:16 100:11,18,20 100:22 203:21 confirm (3) 173:19 173:20 183:16	confirmed (3) 133:10 174:3 190:19 conflagration (2) 197:22 205:24 confused (1) 76:10 confusing (1) 31:12 confusion (1) 220:16 Congdon (4) 1:12 4:10 5:23 120:18 congressional (1) 106:5 Congressman (1) 106:8 Congresswoman (1) 173:16 Connecticut (4) 65:8 65:12,14,15 connecting (1) 159:25 connections (1) 66:12 consent (1) 24:18 consequence (4) 139:20 185:18 205:5,11 consequences (3) 147:13 192:13 198:3 consequential (1) 7:21 Conservation (2) 24:14 171:4 conservative (1) 135:23 consider (8) 135:17 136:19,23 144:17 144:18 149:9,12 159:15 consideration (2) 149:22 184:14 considerations (2) 137:12,18 considered (5) 155:16 157:17 176:8 182:17 200:4 considering (4) 134:5 150:11
---	--	--

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

157:16 176:12	contamination (2) 135:5 141:7	coordinate (3) 184:4 186:4 194:21
considers (1) 136:9	content (1) 133:16	coordination (3) 186:10 195:3
consists (1) 30:16	contents (1) 19:22	207:23
consortium (1) 108:13	continue (19) 9:3 24:18 25:2 32:10	coordinator (1) 176:18
constantly (2) 87:25 89:2	32:12 33:9 39:24	copy (3) 103:8 125:9 215:15
constitute (4) 145:23 148:20,24	56:16 94:21 95:11	core (2) 160:20,25
163:12	112:20 114:11	corner (1) 129:18
constitutes (1) 145:5	127:13 136:15	correct (11) 28:16 44:25 51:7 80:6
constituting (1) 147:11	137:25 140:13	85:24 88:9 94:9
construct (4) 31:10	149:3 160:6 166:22	110:17 123:11,11
32:21 156:10,17	continues (1) 16:16	199:7
constructed (2) 31:23 139:4	continuing (4) 12:3 102:18 106:9 224:4	corrections (1) 100:25
construction (7) 30:17 32:15 34:7	continuous (1) 15:3	corrective (6) 10:5 10:14 97:16 100:13
42:9 155:10,13,22	contouring (1) 33:25	185:12,22
constructive (1) 161:21	contracted (1) 196:18	correspondence (3) 9:11 30:11 94:25
Consultation (1) 171:12	contractor (1) 70:13	corresponding (1) 148:4
consulted (1) 173:18	contrast (2) 112:25 218:24	Cortlandt (10) 1:6,7 2:2 82:11 95:15
contact (3) 16:17	control (22) 43:12 43:18 66:13 68:12	99:7 151:25 179:5
101:21 215:25	141:3,8 183:2	206:7 220:3
contained (2) 19:2 39:12	188:20 189:5,5	cost (22) 82:22 135:22 136:4,8,20
containers (1) 70:10	190:9,20,23 191:10	137:23,24 139:13
containment (7) 53:7	191:13 211:24,25	140:17 143:4 145:2
54:10 56:7 57:2	212:8 216:2,9	146:3,4,21 150:25
58:5 69:8 113:22	221:3,7	151:2,5 154:8
contains (3) 18:23 19:4,10	controlled (2) 197:4 197:14	157:15,15,20
contaminant (10) 134:4,9,15,16,24	controlling (2) 135:8 208:9	218:12
135:6 147:9,11	controls (2) 64:3 131:24	costs (13) 138:2,7 146:10 157:6,7,8,8
148:3,16	controversial (1) 50:18	157:12,13,13,17,22
contaminants (11) 134:2,3,13,18	conversation (2) 116:8 160:8	157:22
135:9,20 140:7	conveyed (1) 189:8	Cottage (1) 124:10
149:22 150:12	cool (1) 180:2	Council (1) 171:5
156:6,20	coolant (2) 58:16,17	counsel (2) 2:3 5:23
contaminated (1) 62:3	cooled (1) 55:4	count (2) 31:16 174:15
	cooling (7) 38:22 39:3 40:5,15 41:22	counter (1) 145:21
	46:2 53:16	

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

counterparts (1) 212:5	211:12	daily (5) 16:22 142:9,16 143:20 150:7
countless (1) 7:17	criteria (1) 146:18	dais (1) 114:14
country (7) 15:2 77:23 80:15 81:11 81:16 89:20 114:23	criteria (1) 144:20	damage (2) 209:15 216:9
county (13) 2:9 5:11 26:13,16 164:10,14 167:19 168:18 175:20,22 176:17 176:18 226:6	critical (8) 36:5 43:21,22 53:3 184:3 194:19 207:17,20	damaged (2) 177:21 219:22
County's (1) 164:18	critically (1) 198:4	Dana (2) 5:24 65:23
couple (7) 19:15 25:12 45:23 47:10 62:10 114:19 115:8	criticizing (1) 204:24	dangerous (2) 119:16 147:12
course (7) 137:18 138:8,19 142:14 152:19 153:11 222:2	Cross (3) 125:3,7 205:3	dark (1) 128:2
court (2) 124:6,24	crosses (1) 176:4	data (18) 16:3,23 135:21 138:21 142:10,12,16,17 143:21 146:12 150:20,23 190:9,20 191:14 202:12 203:6 205:18
Courtney (14) 2:23 3:8 6:19 90:15 111:12 161:16,19 161:22 169:7 170:5 208:18 210:2 213:9 223:8	crossing (5) 100:4 101:3,7,10 112:7	date (8) 15:13 16:25 34:8 43:5,23 102:2 203:4,14
cover (2) 98:5,6	crossings (4) 8:18 100:5 112:2 211:17	dated (2) 42:3 179:19
coverage (2) 20:2,5	crummy (1) 222:9	dates (6) 11:16 34:24 42:22,24 75:11,16
covered (3) 98:4 147:18 150:18	cup (1) 177:4	Dave (10) 7:16 23:18 90:10,13,17 91:9 92:2 93:22 94:20 115:10
covering (1) 146:18	curb (5) 39:12,12 40:24,24 41:2	David (3) 2:17 94:2 160:3
covers (1) 24:24	curious (3) 66:25 91:20 224:21	day (8) 7:24 16:24 58:9 70:23 75:20 79:7 99:25 227:12
COVID (3) 4:15 14:3 128:20	current (7) 99:24 136:15 163:8 165:7 174:8 194:6 204:20	day-to-day (1) 7:6
cracks (1) 194:20	currently (8) 42:19 168:14,23 170:17 171:16 174:5,7 177:13	days (3) 101:6,7 111:19
crane (17) 22:11,14 22:18 30:4,23 36:3 38:2,4,24 39:5 40:6 41:12,25 42:9 42:17 43:12 46:14	cut (18) 55:14,15 56:25 57:2,3,9,24 61:20,24 62:16,16 62:20 68:23 69:3,4 69:6 72:2,4	dead (2) 124:3 212:20
crazy (1) 79:12	cuts (5) 56:17 57:8 60:13,15 67:2	deadline (1) 18:12
creates (1) 92:17	cutting (11) 53:24 54:4,7 55:2 59:3 59:21 60:18,19 63:19 72:6 129:17	deadly (1) 192:13
Creek (4) 21:9 221:13,13,15	cybersecurity (1) 218:20	deal (3) 17:9 156:7 161:19
crews (1) 69:23	cycle (1) 75:16	dealing (5) 10:24 107:23 149:6 159:5
Cricket (1) 87:17		
crisscrossing (1)	D	

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

199:5	defense (1) 104:2	215:22,24
debate (3) 205:7	deferential (1)	depend (1) 7:24
214:9,16	130:7	depreciated (1)
debating (1) 214:12	deficient (1) 179:14	138:5
DEC (15) 2:13 20:10	defined (1) 99:22	depressurizing (3)
23:22 24:16 25:2	definitely (5)	182:17 183:23
25:13,19,24 26:3	113:17 197:21	184:17
26:11,17 28:10,12	206:23 217:20	depth (1) 159:23
28:13 108:8	221:2	describe (1) 44:6
DEC's (2) 24:13 27:4	defueled (6) 80:18	described (1) 99:25
decade (3) 23:3	80:22,25 85:21	deserve (1) 116:20
162:11 220:20	90:23 210:7	designed (2) 90:22
decades (1) 94:7	defueling (2) 36:7	175:8
December (3) 18:25	96:24	desire (2) 11:17
211:22 220:25	degradation (1)	195:13
decide (1) 111:22	36:22	desired (1) 192:24
decided (1) 86:2	degraded (1) 37:2	detail (1) 173:9
deciding (1) 20:4	degrading (2) 109:15	detailed (2) 11:24
decision (3) 28:15	110:11	153:19
135:16 157:25	delay (2) 124:19	details (1) 106:13
decisions (1) 113:8	191:17	detect (1) 191:6
deck (1) 193:5	delegates (1) 172:23	detected (1) 189:15
decommissioning (48)	delicate (1) 67:10	detectors (3) 55:25
1:2,5 4:4 7:8,22	deliver (1) 118:18	164:21 167:16
17:16 18:9,20	deliverable (1)	determine (2) 25:3
22:19 28:6 64:9	133:25	112:9
80:3 82:5 83:19	delivered (3) 36:18	determined (1) 13:23
84:4,14 87:9 94:16	42:7,8	develop (1) 7:13
96:17 106:13	delivery (1) 36:10	developed (2) 135:11
113:15 114:22	demand (1) 6:20	183:25
119:13,17 129:20	demo (8) 28:4 54:8	Development (1)
133:18 145:7	69:23 70:12,14	108:16
150:12 159:6	71:21 73:21 74:9	devices (1) 36:16
165:11 181:23,25	demo'd (1) 70:5	Diablo (1) 96:22
182:15 184:7,21	demolished (1) 70:9	diagrammatic (1)
193:20,23,24 194:3	demolishing (1)	140:22
194:4,8,12,18	192:15	dialogue (1) 102:18
195:9 207:5 210:7	demolition (6) 26:20	diamond (2) 55:2
211:6,18	27:24 30:7 69:14	56:23
deconstruction (2)	69:17 220:18	diesel (2) 71:10
140:9 145:14	denominator (1)	72:10
decreased (1) 204:4	81:16	diesels (1) 72:11
DeCrescenzo (1)	dense (1) 8:25	difference (3) 21:11
124:11	Department (9) 1:1	143:5 190:4
dedicated (1) 12:7	2:11,18,19,20 5:15	different (12) 60:3
deemed (1) 112:6	15:11 24:14 101:15	62:10,18,19 64:21
deeply (1) 137:3	departments (2)	81:10 148:3 181:3

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

<p>203:15,20 214:25 218:24 difficult (4) 25:16 146:12,15 225:18 difficulties (7) 4:19 92:8 103:17 103:20 125:5 168:12 223:16 Dig (3) 207:13,17 208:2 digging (2) 207:11 207:19 diligence (1) 83:25 diligently (1) 25:25 diminished (1) 186:25 diplomatic (1) 20:17 direction (5) 155:20 155:21 156:4,16 159:8 directly (3) 50:9 149:19 152:2 director (6) 2:8,13 5:11 24:12 114:15 192:6 disabled (1) 46:2 disagree (5) 84:21 89:24 185:20 204:7 204:12 disappointing (1) 129:8 disassembled (1) 55:17 disaster (3) 130:9 192:7 202:7 Discharge (1) 26:2 discharges (1) 24:24 disclosure (1) 155:9 discretionary (1) 19:12 discuss (2) 41:20 186:9 discussed (5) 8:17 19:20 106:14 201:17 208:3 discussing (2) 136:6 214:14</p>	<p>discussion (10) 10:18 60:23 75:13 106:3 115:4 116:21 126:18 220:19 222:15 225:10 discussions (2) 118:9 186:22 disgusting (1) 130:17 dismal (1) 118:18 dismiss (1) 130:15 dismissal (1) 126:17 dismissed (2) 126:15 126:20 dismissive (1) 127:22 displayed (1) 8:6 disposal (1) 126:24 dispose (1) 57:25 disposed (6) 55:17 55:19,23 56:3 66:2 126:24 distance (3) 141:4 200:3,7 distinction (2) 148:15 165:20 distributes (1) 22:7 district (5) 113:20 154:14 159:11 160:5,19 DOB (21) 7:18 8:10 11:9 12:22,25 23:16 26:9 107:22 133:8 155:6 158:5 161:16 176:17 194:16,19 197:11 207:2 208:10 216:2 217:24 223:17 docket (6) 119:12,14 212:17 217:18 222:14,20 docketed (1) 21:24 document (6) 18:23 133:7 198:16 206:12,12,12 documentation (1) 191:21</p>	<p>documents (2) 24:21 175:4 doing (51) 8:12 19:7 20:19 22:4 24:16 28:20 32:17 33:24 37:15 38:5 39:16 54:2 58:2,9,14 59:16,17 70:14 71:22 78:6 81:10 81:12 87:4 89:19 89:21 91:8 96:20 96:23 101:23 104:3 121:16 126:4 133:22 136:10,10 152:4 167:24 168:11 170:19 177:13 188:6 196:4 200:25 201:2 206:15,16 207:15 207:19 208:8 219:3 221:12 dollars (1) 159:11 Dolsen (6) 3:12 114:6 128:10,13,14 128:16 dome (1) 54:4 domes (6) 53:24 55:13 56:13 57:22 61:24 74:3 donuts (1) 177:4 door (2) 53:20 160:17 dose (3) 35:13 64:3 68:16 dotted (1) 141:18 doubt (1) 163:21 DPS (23) 9:6,17 16:16 17:10 20:7 20:25 28:11 172:19 172:20,24 174:9 179:11,12 181:17 182:5,5,7 186:6 194:15,24 195:6,22 203:25 Dr (2) 125:15 192:5 draft (2) 27:25 133:8</p>
--	--	--

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

drained (1) 58:20	138:20,21	148:16 156:19
dramatic (1) 190:18	east (1) 47:23	elevation (1) 205:23
DRECHSLER (10)	easy (2) 146:2,4	Elie (2) 105:8
123:19,21,24 124:8	echo (2) 91:11 92:17	131:17
124:13,17,20 125:4	EcoGamma-g (1)	Elimination (1) 26:2
125:8,13	143:23	else's (1) 195:3
Dreschler (3) 3:11	economy (1) 116:4	email (4) 13:2 91:22
123:10 124:9	Ederer (1) 38:3	92:3 175:19
driven (1) 47:3	Edison (1) 73:2	embarrassing (2)
driver (2) 45:8,19	educate (1) 113:7	103:18 206:9
drop (6) 190:18,21	educated (1) 111:8	emergency (26) 2:10
191:7,10,15 200:18	effect (1) 187:25	5:14 6:12,13 19:19
dropped (2) 166:20	effective (5) 101:25	46:25 47:2 72:11
177:3	102:2 150:25 154:8	77:14 83:12 85:22
drum (1) 88:15	216:22	93:13 104:9 118:22
dry (14) 29:22 30:15	effectively (2)	119:10 120:23,25
30:25 35:16 45:16	147:4 156:18	127:3 174:14,20,21
45:17 69:3,6 194:6	effectiveness (16)	175:2,2,21,25
199:18 205:20,20	135:21 136:4,20	176:2
209:22 210:12	144:24,25 145:4,5	emergent (1) 125:17
dryer (5) 35:14,16	145:8,10,20,22	emissions (1) 164:9
35:23 45:8,20	146:7,20,20 150:2	Empire (1) 2:20
duct (2) 39:25 142:8	150:10	employed (2) 100:7
due (10) 6:19 18:10	effects (1) 198:20	171:16
38:23 39:19,21	efficient (1) 35:16	employee (1) 220:24
43:23 83:25 90:9	effort (5) 94:10	employees (2) 197:20
150:18 208:6	136:8,14,20 146:3	221:5
dumping (2) 125:25	efforts (3) 136:10	employment (1)
217:24	136:15,24	143:22
dust (3) 26:7 55:5	eight (6) 53:10	empty (1) 37:17
156:8	55:14 58:22 133:5	enable (1) 198:24
Dutchess (1) 167:19	196:22 197:14	Enbridge (29) 8:15
dying (1) 118:24	either (10) 70:15	12:15 99:13 102:9
	81:7 85:20 86:21	102:18,21 111:20
E	93:8 97:17 101:9	111:21 112:2
E (2) 226:2,2	149:5 160:21	176:22 177:13,16
eager (1) 201:21	193:11	177:18,24,24 178:5
earlier (11) 6:23	ejected (1) 66:19	178:22 180:16
8:23 139:7,16	elected (3) 2:24	181:24 184:5,24
169:4 187:8 193:12	87:13 180:20	185:4,13 188:13
201:17 208:4	electeds (3) 206:5,6	211:25 212:5
221:16 225:8	208:15	215:24 219:7,7
early (1) 211:15	elementary (7) 6:17	encapsulate (1) 75:6
ease (2) 69:22 139:2	16:7 113:21 132:18	enclosure (1) 73:10
easier (2) 70:2	133:20,24 142:4	enclosures (1) 70:25
223:6	elephant (1) 149:21	encompass (2) 196:24
easily (3) 127:14	elevated (3) 143:8	197:13

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

encourage (3) 8:4 221:17 222:6	EPA (2) 162:20 163:3	everybody's (1) 50:24
endeavor (1) 9:4	equipment (24) 31:25 36:2 44:21 54:8,25	everyone's (2) 93:3 225:17
energy (5) 108:15 116:4 117:14 171:5 180:11	55:9,16 61:22 137:23,25 138:5,11 138:11,13 153:24	everything's (1) 209:23
engaged (3) 25:20 111:8 113:23	154:10 157:18,19 157:19,20 159:12	evidence (1) 197:19
engagement (3) 10:22 11:11 12:5	160:9 165:13 198:23	evolution (1) 67:5
engineer (1) 100:14	especially (11) 7:19 27:10 88:20 106:16	exact (2) 198:7 215:4
engineering (4) 42:12 100:9 162:10 192:24	111:4 127:21 138:23 146:14	exactly (2) 35:10 142:15
engineers (1) 184:10	147:12 156:6 166:8	examining (1) 26:18
English (1) 175:16	Esq (1) 2:3	example (6) 15:25 22:11 152:8 160:17 195:15 218:2
enhanced (2) 97:6,10	essentially (3) 7:12 182:14 207:24	excavator (1) 181:22
enlargement (2) 53:19 54:25	establish (1) 165:7	exceed (1) 155:18
enormously (2) 7:21 103:20	established (1) 87:8	exceedance (1) 155:24
ensure (8) 7:6 10:14 22:14 100:10 103:23 117:15 184:10 207:18	estimate (1) 82:22	exceeded (1) 112:7
ensuring (2) 7:8 194:19	et (1) 164:16	excellent (4) 28:18 158:18,19 196:2
entail (1) 113:11	Europe (1) 106:15	exceptional (6) 78:4 78:8,11,13,15,21
Entergy (3) 17:10 180:9 185:5	evacuate (2) 45:20 199:21	Exceptions (1) 74:18
Entergy's (1) 180:7	evacuating (1) 176:7	excess (1) 101:4
entire (4) 124:23 150:12 194:12 223:17	evacuation (5) 174:16 175:9,18,18 176:9	exchange (2) 161:21 223:10
entirely (2) 14:5 103:25	evaluate (2) 179:24 185:23	exchanged (1) 9:12
entirety (2) 164:17 197:13	evaluated (3) 135:18 135:20 200:3	excited (1) 221:20
entitled (2) 26:6 74:18	evaluating (1) 144:21	exclude (1) 175:8
environment (1) 150:9	evaluation (3) 42:3 146:17 179:13	excuse (2) 16:4 22:17
environmental (7) 6:16 24:14 51:13 105:24 114:15 164:7 218:15	evening (4) 4:2 5:20 14:14 24:11	executed (2) 8:14,15
envy (1) 114:23	event (2) 148:18 187:19	exemption (25) 19:16 19:21,23 21:23 22:7 30:10 74:14 74:15,16 76:25 77:8,11,18 78:20 79:8 80:22 81:5,6 84:8 85:6,23 86:3 115:5 125:17,18
	events (1) 144:14	exemptions (12) 21:19 22:23 23:2 74:18 78:2 79:2 88:13 90:24 94:15
	Eventually (1) 64:7	
	everybody (10) 4:3 13:10 90:24 91:7 94:17 99:17 121:11 180:8 185:2 221:17	

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

107:24 125:21 129:8	exposing (2) 109:17 110:16	failures (1) 207:7
exercise (1) 149:2	exposure (3) 40:20 134:14 149:11	fair (2) 26:21 195:5
existing (9) 31:14 31:18 32:11 34:2 45:2,5 63:15 140:4 142:10	expressed (3) 115:18 183:15 195:13	fairly (2) 14:24 140:6
expansion (4) 31:19 32:6 45:4 172:12	extend (1) 102:3	fall (3) 36:21 38:11 194:20
expect (6) 19:11 33:17 67:9 116:2 165:8,9	extended (1) 18:11	false (1) 209:4
expectancy (1) 138:11	extensive (2) 38:5 136:23	falsified (1) 185:17
expectations (1) 195:11	extensively (2) 95:6 98:8	familiar (4) 202:24 203:9 204:25 223:22
expected (2) 16:20 19:2	extent (1) 216:12	fan (1) 113:17
expecting (1) 9:8	external (1) 74:6	fantastic (1) 160:4
expenses (4) 137:20 137:21,21,24	extra (2) 148:13 150:4	far (6) 33:2 50:4 71:22 86:3 95:23 106:16
experience (11) 13:24 77:12 96:14 96:25 97:7,11,14 97:20,23 127:20 198:18	extreme (1) 144:13	fast (2) 172:6 205:14
experiencing (1) 144:2	extremely (1) 129:8	fault (1) 223:15
expert (8) 2:17 7:17 12:19 15:12 17:11 112:24 198:15,19	eyes (2) 190:5,14	favor (1) 112:16
experts (8) 9:19 12:12 13:16,17 26:18 154:18 160:23 204:23	<hr/> F <hr/>	fear (1) 198:6
explain (3) 56:20 58:6 197:15	F (1) 226:2	February (5) 34:21 41:16 42:3 43:4 213:11
explained (1) 183:18	fabrication (1) 42:18	federal (20) 17:20 18:6,8,16 19:17,18 19:25 20:9 85:5 87:14,16,22 90:7 121:10 173:4 176:18 180:11 200:13 206:4 208:13
explosion (2) 14:3 192:12	Facebook (2) 220:3,4	federal (2) 172:15 173:2
explosions (1) 144:14	facilitate (8) 22:19 32:3 39:4 42:13 58:10 59:20 61:21 104:16	feed (1) 54:15
expose (6) 75:3 76:11 109:13 110:4 110:8 221:16	facilitated (2) 108:14 207:24	feedback (1) 13:2
exposed (2) 109:4 164:22	facilitates (1) 186:6	feedwater (1) 53:13
	facilities (1) 97:20	feel (3) 8:2 129:17 213:19
	facility (8) 24:25 42:11 44:22 69:20 82:10 95:16 99:8 116:3	feels (1) 200:10
	fact (10) 15:25 54:2 54:22 106:17 117:6 126:20 127:4 130:4 176:21 191:4	feet (5) 33:12 47:25 109:23 113:21 159:7
	factory (2) 42:10,18	fellow (1) 126:6
	facts (6) 84:22,23 84:25 85:2,4 90:3	felt (2) 183:6,9
	fails (2) 145:17,24	FEMA (1) 175:25
	failure (1) 172:25	fence (1) 51:8

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

fenced (1) 49:22	finish (4) 25:17	69:7
FERC (7) 180:11,14	72:20 80:8 116:24	floor (6) 36:21 39:7
181:23 182:4,6	finishing (2) 133:8	39:7,8 41:3 119:4
183:19 194:23	149:15	flow (5) 55:7 181:21
Fern (1) 213:10	fire (43) 23:3 44:10	192:10 207:6
fiberglass (7)	71:9 73:12 74:24	208:22
134:23 140:8	74:25 75:4,8 76:6	flowing (2) 204:17
142:18 144:6,8	76:10,12 80:12	211:6
147:20 163:7	108:25 109:6,9	fluids (2) 59:5,5
field (4) 154:18	110:14 113:19	fluorescent (1) 71:5
178:12 183:2	199:19,23,25 200:5	flying (1) 44:9
189:12	202:11 205:21	focus (2) 56:22
fifteen (3) 4:23	212:15,17,18,21,23	134:7
82:11 159:22	212:24 213:2,7	focusing (1) 34:11
fight (2) 212:17	214:21 215:2,3,22	folks (16) 11:22
215:3	215:22,23,24 216:6	15:22 17:5 18:13
figure (1) 156:19	216:8,14,23 221:7	18:14 21:9 112:18
figuring (1) 112:17	firing (1) 219:6	159:21 172:21
file (4) 79:2 85:6	first (33) 6:18	175:20 176:18
85:23 86:2	14:18 24:17 39:20	202:14,20 218:16
filing (2) 77:25	43:20 45:25 56:23	222:10 224:20
78:2	60:9 65:8,12 67:5	follow (7) 59:12
filled (1) 68:18	98:5,7 99:10 105:9	64:14 75:19 80:15
final (4) 32:9 50:23	106:2 114:20	80:16 81:3 208:12
132:24 133:9	122:11 123:9	follow-up (1) 12:22
finalize (1) 24:19	132:14 133:14	following (13) 15:5
finalized (3) 16:21	136:7 139:6 151:12	23:25 29:22 38:10
24:21 35:10	161:3 176:24,25	56:15 63:13 69:23
finalizing (1)	177:8,9 179:2	78:24,25 89:13
169:25	205:15 216:15	99:21 114:16
finally (4) 117:22	224:8	203:25
138:19 142:25	fit (2) 110:24,25	follows (1) 80:15
148:23	five (10) 14:8 74:23	Force (1) 1:4
Finance (1) 2:19	99:25 101:6,7	forced (1) 94:14
financial (4) 17:7,7	111:19 134:18	forces (1) 49:11
17:7,19	144:20 146:17	forcing (1) 91:6
financials (1) 113:9	223:25	foresee (1) 145:6
financing (3) 137:18	flagged (1) 10:7	forget (1) 220:2
137:19 138:9	flammability (1)	form (1) 141:6
find (7) 77:7 125:9	196:23	formaldehyde (1)
177:10 185:17	flat (4) 39:13 65:19	164:15
188:11 196:5,16	65:19 126:19	formalizes (1) 8:16
finding (2) 202:5	flatbed (1) 65:18	formed (1) 195:9
222:24	flatten (1) 41:2	former (2) 173:16
fine (8) 81:25 83:13	flawless (1) 37:17	192:6
84:21 85:16 87:6	flex (1) 73:19	forth (8) 11:18
152:7 195:16 201:4	flood (3) 59:2 68:22	12:21 96:15 146:18

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

149:4,18 211:17 221:21	Frymeyer (1) 15:13	13:7,20 14:6 20:23
fortuitous (1) 154:25	fudging (1) 192:25	21:15,18,18 23:7
fortunately (1) 87:24	fuel (77) 29:23 30:2 30:15,18,20,25	23:12 45:6,6,11,14 64:13,14,18,22
forum (4) 12:8,10 13:6 224:9	31:2,2,3,5,7 34:11 34:13,18 35:5,5,10	65:6,11,16,22 103:6,12 115:17
forward (4) 11:19 13:13 151:23 161:21	35:18,24 36:2,13 36:14,25 37:9,22	121:14 188:4,9,15 213:8 214:14
found (11) 36:21,22 38:9 125:20 142:23 144:8 164:21 181:13 183:4 193:17 196:21	37:23,24 38:19,21 39:3 40:5,15 41:22 44:4,5,16,19 45:17	game (1) 153:10 gap (1) 161:4
founded (1) 171:8	51:19 53:4 69:23 70:8,19 72:15 75:3 75:3,6,7 76:11	gapping (1) 58:14 gas (34) 70:10,20,22 72:23 99:14 162:14 172:2,9 173:5 174:9 176:3 180:17 181:21,24 185:15 186:8 187:3 190:9 192:10 196:24 204:17 207:6 208:22 209:5,13,14 209:25 210:21 211:6,7,11,12,19 222:17
four (13) 38:10 40:13,17 53:24 54:12 55:13 57:8 58:23,24 175:22 176:17 179:2 223:25	80:4 101:21 109:13 109:13,15,20,25 110:4 121:8 130:3 130:12 194:9 202:10,11 203:17 203:18,18,19 204:15,20 205:19 205:20 209:21,22 210:12,13,24 217:25	gaslighting (1) 213:20
fourteen (2) 124:2 124:21	full (6) 37:15 42:8 64:2 155:8 156:11 223:18	general (2) 138:17 192:19
frame (6) 33:18 41:17 60:17 74:4 84:15 187:18	full-blown (1) 44:20	generalized (1) 143:16
framework (1) 146:25	Fuller (1) 163:15	generated (1) 55:5
framing (1) 32:21	fully (1) 49:20	generating (1) 203:15
frankly (1) 159:14	fund (3) 18:2 83:19 84:4	generation (1) 66:19
free (1) 204:7	fundamental (1) 187:8	generator (10) 54:3 54:11,17,20 55:13 56:13 58:19 61:17 63:13,18
frequencies (1) 136:24	funding (1) 220:8	generators (10) 53:14,25 57:4,8,17 57:19 61:7 62:4,12 178:13
frequency (1) 142:12	further (11) 10:18 12:5 30:7 33:7 43:25 102:13 141:2 181:14 201:10,22 226:25	gentleman (1) 129:21
frequent (1) 11:14	future (9) 10:16 16:21 95:15 102:15 117:9 118:2 217:24 225:6,12	gentlemen (1) 131:11
friend (1) 64:3		geographical (1) 142:7
friendly (1) 129:2	G	George (1) 133:11
friends (1) 91:17		Geri (1) 121:12
front (2) 22:3 98:5	Galef (32) 2:4 5:7	
frozen (1) 217:10		
frustrating (1) 127:20		
frustration (1) 131:6		
frustrations (1) 87:22		

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

getting (7) 67:6 81:9 92:23 128:19 170:6 189:7 213:24	216:5	171:23 172:6 173:6 176:6 184:20 196:15 200:23 201:14 203:19 204:9 205:7 210:11 212:14,19,20 216:5 216:13,25 219:19 221:20 225:9,19
Gillibrand's (1) 107:7	goal (1) 196:16	Goldhofer (1) 57:20
Giordano (2) 32:16 40:11	goals (1) 117:12	good (30) 4:2 14:14 14:17 20:19 24:11 33:20 37:7 41:7 45:9 63:16 65:14 67:3 82:6 92:22,22 102:22 115:2,9 118:20 119:8 120:10 123:3,7 150:3 168:7 191:12 210:8 223:9,20 225:20
give (18) 7:20 8:9 22:10 23:20 24:3 79:16,18,20 90:13 122:4,4 124:6 132:7 137:9 151:17 152:14 154:12 224:25	goes (12) 15:10 19:6 36:15 45:17,18 52:8 62:13 109:22 137:10 216:24 223:19 225:6	Gore (1) 118:17
given (12) 21:25 105:4 106:16 125:2 141:4 181:15,22 198:18 205:2 209:7 212:2 218:20	Goh (9) 3:14 131:25 132:6 133:10 137:4 137:5 156:2 157:2 165:3	gotten (1) 59:11
gives (1) 78:25	going (132) 4:7,9,22 4:24 5:2,3 6:6,11 6:21 11:19 12:2 13:13,25 14:10 15:19 16:13 18:4,5 23:14,20,23 24:3 25:16 26:5 28:25 31:11 33:16 34:14 34:17 35:11,11,15 36:10,13 42:21 44:2 46:11,12,14 49:15 51:10 54:7 56:6 59:20 60:9 61:12 62:9,14,15 62:16 63:23 64:16 65:8,11 68:2 69:2 70:18,24 74:8 80:2 82:13,16 83:12 86:16 88:3,21 89:24 91:14,17 93:12,20,22 96:10 100:14 104:8,11,15 104:22 106:23,24 111:13,14 113:18 115:25 118:22 120:23 122:8 126:4 126:20,24 129:12 129:20,25 131:9 132:16 134:7 135:15 139:5 147:17 150:8 151:11,12,23 154:13 159:13 160:15 161:2,25 169:15 170:23	government (1) 18:6
giving (1) 132:15		governmental (1) 27:2
glad (2) 28:19 120:11		Governor (1) 159:10
Global (1) 202:5		grabbing (1) 142:16
go (67) 6:6 14:4,24 15:16 16:13 17:23 18:4 24:9 25:14 27:19 29:8 33:7,8 35:11 36:19 38:12 43:25 54:10 58:21 62:9,22 64:8 69:13 76:25 77:17 81:15 82:16 86:23 87:13 87:15,21 88:4,15 91:19 95:4 99:14 102:13 108:18,18 111:5,8 115:11 122:12 128:9 130:18 132:13 133:13,13 138:2 144:4 145:15 156:17 160:7 167:18,19 170:23 180:3 183:16 184:6 188:3 189:17 197:24 205:18 212:14 213:9,11		grad (2) 95:7 98:9
		grade (2) 47:24 48:6
		grading (3) 32:2,10 34:5
		graduate (2) 153:12 154:17
		graduated (1) 170:18
		grant (1) 79:8
		granted (3) 42:2 78:21 150:5
		graph (1) 172:7
		grateful (3) 7:25 121:14,16
		greases (1) 98:15
		great (17) 13:8 32:17 47:9 112:24 123:22 159:20,23 161:3,15,19 163:24 166:13 170:22,25 196:12 223:8

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

225:13	hand-over (1) 146:14	146:23 147:5
greater (1) 64:25	handle (2) 65:2	hazardous (5) 71:3,6
green (1) 140:25	87:12	73:8 172:13,22
Greene (6) 3:9 14:16	handling (2) 36:3	hazards (1) 149:14
114:13,14 116:23	37:22	HDI (9) 100:7,9,19
117:3	handwritten (2)	100:23 101:2,5,8,9
grid (1) 117:6	185:6,7	101:13
gross (1) 101:4	happen (12) 80:10	HDI's (1) 100:13
ground (2) 183:12	82:13 89:5 103:24	head (3) 66:22 116:5
193:8	144:10,15 192:10	120:2
grounds (1) 145:25	196:20 198:13	Heady (1) 1:7
group (3) 93:7,19	202:9 205:12	health (24) 113:25
171:6	210:20	136:3 144:24
grouping (1) 30:9	happened (13) 121:3	145:18 146:6,19
groupings (1) 35:2	142:24 152:15	147:7,8,13 148:9
groups (1) 13:10	153:6 177:19	149:11,13,23
grouting (3) 36:22	178:16 186:10	150:13 162:12,18
37:2,5	193:8 198:12	162:18,22 163:5,17
grow (1) 153:10	200:12 218:21	163:21 164:2 199:3
Guard (2) 177:20,22	219:25 220:21	218:14
guards (1) 49:19	happening (12) 37:4	healthy (1) 163:13
guess (14) 45:2	119:17 127:19	hear (38) 11:6 14:15
49:17 64:15 77:11	184:13 200:10,11	24:4,6,7 25:7,9,13
81:14 106:2 151:8	200:11 205:11	87:10,11,25 89:2
165:3 180:24	213:14,14 221:18	90:18,20 93:9,10
184:22 185:5,20	222:25	104:10,20 105:2
217:4 220:22	happens (8) 44:7	120:13 122:21,24
guest (5) 5:25 6:18	141:16 142:14,17	123:4,5,19 124:13
11:20,21 93:17	146:15 151:21	128:14 131:22
guidance (1) 26:11	153:8,11	132:2,4,9,9 152:10
guy (1) 94:18	Happily (1) 20:21	158:20 186:9 221:4
Guynup (2) 2:11 5:14	happy (6) 11:21	222:14 224:21
guys (3) 25:13	88:16 95:8,16 98:9	heard (20) 8:22
110:22 112:17	102:7	11:17,22 26:8 46:9
gypsum (1) 164:11	harass (1) 206:5	46:16,18 47:18
	Harckham (3) 2:16	55:25 91:9 125:24
H	20:23 23:18	129:19 153:16
Habib (1) 125:15	hard (3) 58:6 60:14	159:21 214:15,16
hacking (1) 218:21	133:7	217:22 218:16
half (3) 150:25	hardened (1) 218:17	221:9 224:20
159:10 218:7	harm (1) 162:22	hearing (6) 6:10
halfway (1) 72:19	harming (1) 163:20	25:16 127:16 129:6
hall (2) 4:3 153:16	Harvest (1) 72:4	129:21 206:3
Hall/Webex (1) 1:6	hatch (5) 53:19 54:8	hears (1) 152:16
halves (1) 57:5	54:25 55:9,16	heat (2) 51:6 71:25
hand (6) 7:9,12 57:6	hate (1) 160:19	heated (1) 106:4
90:11 96:11 227:12	hazard (3) 134:2	heating (1) 40:2

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

heavy (5) 8:18 56:6 100:3,4 181:22	72:9 121:6	honestly (1) 79:13
helium (6) 35:14,23 45:8,19,19,21	hits (1) 113:16	hook (1) 177:14
Hello (2) 124:23 132:8	hitting (1) 189:9	hope (8) 14:14 24:20 104:20 111:7 124:4 157:2 165:25 214:8
help (9) 56:20 73:17 85:9 95:8,16 98:10 161:2 175:9 215:22	hoc (1) 160:4	hopefully (5) 29:6 103:24 128:23 160:5 165:13
helpful (3) 154:21 213:13 218:4	Hochreiter (6) 2:6 5:8 152:16 158:24 159:3 170:2	Hoque (1) 133:10
helping (3) 7:6 79:13 216:14	Hochul (1) 159:10	horizontal (1) 60:13
helpline (1) 127:12	hog (1) 50:24	hose (1) 212:18
Hendrick (1) 2:6	Hol (1) 99:12	hoses (6) 212:15,21 213:3 215:3,22 216:6
HenHud (1) 171:3	hold (3) 80:7 95:20 162:5	host (3) 7:7 151:25 161:10
Henry (1) 133:12	holding (2) 113:18 128:17	hosts (1) 186:7
hereunto (1) 227:12	Hole (1) 126:5	hot (1) 58:23
hey (2) 92:2 97:4	Hollander (1) 153:7	hotline (1) 8:5
Hi (6) 36:15,15 61:5 93:25 107:14 118:15	Holtec (72) 2:22 5:19 6:10 8:15,21 9:12,14,25 10:10 10:19 15:6 16:17 16:24 17:9,15,15 17:23,25 18:25 20:8,19 24:2 25:23 27:8,13 44:4 82:8 83:15 88:5 90:23 94:13 96:17,20 97:2,13 99:13 111:22 112:23 113:7,14 125:16,24 126:10 129:20 130:7,16,24,25 136:11 140:4 141:23 142:23 143:19 160:17 163:22 166:10 175:7 176:22 178:20,24 184:4,13 185:4 207:15,21 215:20 218:5 219:5 220:24 221:9 224:15 225:2	hour (8) 75:24 76:21 93:15 108:24 169:22 185:3 190:13 191:24
Hi-Lift (13) 30:4,23 38:24 39:5,21 40:6 41:12,15,19,21,25 42:20 46:14		hours (13) 4:6 7:17 75:4 76:12 80:4 109:4,14 110:7 134:6 153:18 159:17,19 177:25
Hi-Storm (3) 36:16 36:24 37:8		house (10) 31:11,13 31:14 36:13 61:22 70:22 71:24 174:17 174:24 199:23
Hi-Storms (1) 36:11		housed (1) 39:10
high (11) 4:14 135:5 146:10 147:10,19 148:2,23 149:12 172:10 196:8,9		houses (1) 36:14
higher (3) 45:19 84:8 117:11		housing (1) 44:21
highlight (2) 5:2 186:21		Houston (1) 183:3
highlighted (3) 8:11 10:13 11:8		Hudson (6) 2:6 24:13 114:15 177:15 217:25 218:8
highly (1) 181:10		huge (1) 55:21
hinges (1) 194:12		human (8) 134:14,16 136:3 144:24 145:17 146:6,19 149:11
hire (1) 144:7	Holtec's (5) 26:3 42:11 127:7 129:11 218:19	humans (2) 191:12,13
hired (1) 115:14	Homeland (1) 108:7	humidity (1) 156:16
hiring (1) 9:6	honest (2) 96:21 214:9	hundred (3) 34:15
historical (1) 203:12		
hit (4) 18:15 50:12		

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

152:6 153:17	impossible (1) 183:11	increases (1) 150:7
hurry (1) 129:23	impression (1) 211:4	incredible (1) 7:4
hurting (1) 116:18	improve (2) 11:10 128:25	incurred (1) 140:18
hybrid (6) 4:17 13:17,25 104:3 112:17 152:3	improved (1) 11:10	indefinitely (1) 106:25
hydraulic (1) 43:17	in-person (2) 27:11 149:7	independent (3) 7:15 30:18 31:3
I	inaccurate (1) 186:21	independently (2) 126:9 153:3
I-beams (1) 66:17	inadequate (1) 179:15	Indian (43) 1:2,4 4:4 7:22 9:16 10:16,24 14:23,25 16:8 29:12 113:16 119:3,7 121:3 133:18 140:25 142:23 152:19 154:7 161:9 162:14 170:20 171:7 174:14,16,20 175:19,23 176:7 178:10,14 191:3 194:2 196:20 197:18 198:24 202:10 203:7 211:21 212:19 217:3 221:12
idea (7) 12:24 13:8 42:25 91:25 106:19 113:14 184:6	inadvertently (1) 76:17	indicating (2) 147:6 147:8
ideal (2) 116:3 117:9	inaudible (2) 95:23 144:4	indication (1) 66:14
identification (1) 134:2	inch (6) 60:4 101:3 125:20 171:22 177:15 219:16	individual (7) 12:20 12:23 97:22 108:12 134:3 143:15 145:7
identified (5) 94:4 112:2 134:13,14 184:2	inches (2) 40:14,17	individuals (9) 4:25 12:18 56:8 104:14 105:3 138:25 139:22 161:11,17
ignition (2) 197:16 198:20	incident (5) 187:20 189:2,2,4 198:9	indoor (3) 141:15,20 143:12
images (1) 205:22	incidents (1) 172:8	indoors (2) 141:19 147:21
imagine (1) 28:13	incinerator (2) 164:17 171:11	industry (1) 94:11
immediate (1) 148:9	include (8) 117:13 120:24 143:13 144:12 156:21 176:10 178:12 183:22	influence (2) 191:6 213:12
immediately (6) 4:9 23:25 100:19,25 191:10 192:10	included (3) 139:19 156:13 180:15	inform (1) 182:21
impact (3) 121:2 163:25 197:17	includes (3) 156:14 164:14 176:3	information (16) 8:25 13:14 15:9 19:3,10 115:7
impacts (5) 149:23 162:18 184:8 200:5 200:8	including (8) 15:10 22:5 23:17 101:14 149:21 156:15 205:24 212:3	
IMPEL (1) 96:15	incompetent (1) 127:16	
implement (1) 137:14	incomplete (1) 181:9	
implementability (5) 136:4 144:25 146:2 146:9,21	incorporating (1) 26:20	
importance (2) 138:22 145:6	increase (1) 148:19	
important (13) 22:18 99:16 102:17 134:24 138:12,18 139:3,8,18 149:12 152:4 193:13 198:5	increased (6) 143:11 145:11,12 148:20 150:8 219:16	
importantly (1) 152:13		

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

153:25 158:20	instructive (1)	interpreted (1)
161:22 165:22	209:3	138:22
181:19 182:19,22	Instrumentation (1)	interrupt (1) 168:6
189:7 206:8 215:25	55:24	intersection (1)
informed (1) 185:25	insulation (3) 53:16	175:5
infrastructure (2)	54:12,14	intro (1) 170:15
117:7 207:20	insurance (2) 20:2,5	introduce (2) 15:21
infuriated (1) 127:6	intact (1) 59:4	122:18
initial (1) 137:22	intakes (1) 134:17	introducing (1)
initially (1) 64:10	integrity (7) 7:25	127:23
input (3) 198:19	173:3 174:2,8	investigation (5)
221:20 223:2	182:3 184:11	165:5 192:20
Inserra (5) 3:6	200:15	193:11 197:7,8
105:12,20,22,23	intended (2) 101:12	invite (2) 12:15
inside (6) 55:7	133:25	188:14
63:15 68:4,8	intensely (1) 114:18	inviting (1) 29:10
135:12 212:25	intent (2) 32:24	involve (1) 140:16
insisted (1) 104:4	50:11	involved (9) 13:11
inspect (1) 125:19	interact (2) 16:18	22:22 67:6 87:17
inspected (1) 194:7	17:14	106:6,13 108:11
inspections (8) 30:8	interacting (1)	176:19 191:12
35:6 38:19 77:5	222:11	involves (3) 140:19
100:10,12,17 196:4	interactions (1)	152:19,22
inspector (5) 9:6	20:8	involving (3) 175:23
16:20 115:13	interest (2) 16:12	176:20 181:9
192:19 195:14	149:20	IP (4) 141:7 143:10
inspectors (1)	interested (3) 18:14	144:8 156:22
195:18	118:21 227:6	Irwin (1) 192:5
install (6) 31:21	interesting (1)	ISFSI (15) 29:25
33:9 41:21 46:14	84:18	30:17,17 31:10,13
59:19 98:24	interests (2) 170:12	33:11,17 34:7
installation (15)	173:12	44:15 45:4,5 47:13
30:18,22 31:4,24	interface (1) 138:20	51:2,6 205:25
32:5 35:22 39:4,21	interference (2)	isolate (2) 40:14
40:7 41:25 42:13	38:23 41:12	58:25
51:10 53:20 56:4	interferences (1)	isolated (2) 54:19
56:18	54:6	55:15
installed (7) 33:6,8	interim (1) 20:3	isolating (1) 58:15
35:15 41:16 45:12	intermediate (2)	issue (9) 26:7,18
50:25 95:12	155:15,18	40:21 97:9 102:19
installing (2) 57:13	internal (3) 53:17	120:14 126:14
142:8	69:3 97:13	173:15 207:3
installs (3) 37:24	internals (4) 59:22	issued (2) 18:18
141:23 143:19	60:8 62:3,21	196:5
Institute (1) 126:5	interpret (1) 191:14	issues (21) 7:13
institutional (1)	interpretation (1)	10:24 11:5 12:16
115:21	222:5	13:12 16:19 17:4

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

18:5 40:19 41:15 42:22 70:15 87:11 96:22 101:22 161:12,13,15 171:7 187:15 194:19 it'll (2) 49:21 98:13 item (2) 34:5 122:13 items (3) 126:24 201:19,23	185:25 224:14 joints (1) 32:6 Jonathan (1) 153:6 Jones (2) 106:8 121:13 JP (1) 224:25 jug (1) 177:5 July (13) 9:10 12:7 29:20 35:22 39:23 42:17 43:2 53:23 56:11 58:3 70:18 73:21 224:9 jump (1) 4:24 June (5) 32:9 36:9 36:18 42:18,20 jurisdiction (4) 20:24 21:4 120:17 182:6 justice (1) 164:7	144:11,15 217:4 kicks (1) 74:20 kid's (1) 185:16 kids (5) 153:10 170:16,17 220:11 220:11 kids' (1) 178:10 kill (1) 178:7 kind (51) 58:6 60:14 65:21 67:5,10 103:22 125:10 138:2,3,6,15,24 140:4,11 141:7 142:3,6,7,8 143:25 144:9,13,14 145:3 145:14 147:9 148:17,17 149:3,10 149:11,13 151:4,9 156:8,9,19 165:6 165:12,13,15,16,23 171:23 181:2 189:22 190:9 194:14 199:25 220:23 222:18 kinds (3) 10:6,15 207:12 knew (5) 121:4 193:8 212:3,9 221:2 KNICKBOCKER (5) 88:10,19,24 89:4,8 Knickerbocker (19) 2:5 5:10 87:7 88:7 116:6,25 117:20,24 118:7,11,24 119:2 119:18,19,22,25 120:7,10 208:11 knock (1) 160:16 know (136) 4:20 9:17 9:18 10:4,22 12:14 13:15 14:2,3 15:14 15:22 16:8,12 17:5 17:25 18:2,12 19:7 20:21 21:7 22:8,12 23:5 25:24 26:17 26:23 27:5 28:10 28:14 35:10 45:7 47:11 49:24 64:20
J	K	
jacks (2) 43:8,10 Jacqueline (3) 123:10 124:9,9 Jacquelyn (1) 3:11 Jared (2) 28:12,19 Jeff (2) 2:11 5:14 Jennifer (3) 2:10 5:13 6:12 Jersey (1) 21:8 jet (1) 121:8 Jo (4) 3:9 14:16 114:12,14 job (5) 9:8 20:20 32:17 91:8 94:19 jobs (1) 139:2 Jocelyn (1) 124:11 Joe (11) 2:6,14 5:8 95:22,24 107:7 122:16,23 128:4,9 161:7 John (21) 2:3 3:3,7 5:22 14:8,10,12 15:23 20:11,16 25:11,14,17 28:17 63:10 75:22 76:10 92:3,4 107:13,21 join (1) 27:12 joined (2) 5:17 183:12 joining (3) 28:24 105:19 122:18 joint (11) 1:3 8:20 17:20 20:25 100:2 101:14 111:20 183:25 184:2	Kaczmarek (25) 93:22 104:15,19,22,25 105:11 107:12 111:11 114:5,12 117:21 121:24 122:3,16 123:5 128:4,9,13,15 131:8,13,21 132:4 132:10 158:13 KARI (2) 226:9 227:17 keenly (1) 18:14 keep (18) 4:8,20 27:10 29:6 64:2 82:12 83:12 88:14 111:13,18 123:16 135:7 174:13 201:2 214:20,21 220:14 224:6 keeping (1) 110:19 Kelly (8) 2:13 3:4 23:18,20 24:4,10 24:12 25:15 kept (3) 55:6 115:19 192:25 key (5) 142:11,11	

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

66:21 77:24 78:3	Kw (1) 35:13	127:2 140:22
79:10 81:2,23 82:3		141:18 148:4 178:4
84:20 85:7 87:23	L	leftmost (1) 144:23
88:2,10,14,25,25	L (2) 226:9 227:17	legal (5) 162:19,20
89:19 91:11 96:3	labor (5) 2:11,15	162:24 163:4,12
96:13 99:11 102:17	5:15,18 138:16	legally (2) 163:19
106:7 116:9,14	Labs (5) 196:18	164:2
118:3,3 120:16,17	200:24 206:16	legs (3) 58:22,23,24
120:18,20 121:13	219:2,2	let's (10) 20:2
125:2,6 126:3	lack (4) 147:7,8	69:13 74:22 96:21
127:2,12,22 129:13	195:19 221:8	114:10 132:12
129:25 130:3,22,24	lady (1) 127:21	133:13,13 166:19
131:5 142:13	lag (1) 149:10	171:14
143:25 151:20,21	laid (1) 206:13	letter (6) 10:20
152:16 154:23	Lancet's (1) 163:16	18:19,22 19:4,8
155:15 159:4	language (1) 182:14	206:20
160:12,14,24	LAR (1) 41:23	letters (2) 11:8
164:19 166:9 173:7	large (5) 149:20	119:14
175:12 176:4,15,22	164:25 176:8	letting (1) 131:4
176:24 177:12,19	178:15 221:8	level (18) 7:3,3
178:2 179:19	larger (2) 70:2 74:7	18:6 64:15,16,19
180:18 182:23	largest (2) 164:8,13	87:14 107:24
187:6 189:9 190:10	LARs (1) 75:12	109:19,21 131:6
193:4 194:24	late (2) 4:23 11:24	147:12 155:15,18
197:11 199:17,20	Laughter (3) 81:20	159:20 175:22
199:22 200:14	125:12 169:12	178:11 195:11
204:21 206:11	law (5) 163:23 173:4	leveling (2) 33:25
207:10,12,16,17,25	206:20,21,23	34:6
208:5,8,22,25	lay (1) 202:14	levels (10) 62:18
209:3 211:14 212:4	lead (11) 134:23	64:21 137:16 144:2
212:5 213:12,23	140:8 142:18 144:6	147:9,11 148:16
214:11,16 216:23	144:7 147:20,20	149:3 150:24
219:14 220:21	163:3,4,15 164:15	156:19
224:22,24	leader (1) 118:17	Levenberg (20) 5:24
knowledge (1) 94:7	leak (3) 125:20	51:22,25 52:4,5,6
known (4) 94:9	196:21,22	52:15,19,23 65:24
107:23 108:10	leaks (2) 61:17 62:2	66:6,24 67:12,17
183:10	learn (2) 11:4 209:9	67:22 68:3,7,13,20
knows (5) 94:15	learned (1) 204:22	123:13
159:12 192:22,23	learning (1) 149:5	license (3) 22:15,16
207:21	Leary (1) 2:14	74:19
Kuprewicz (6) 8:13	leave (4) 12:21 23:5	Licensing (1) 74:19
179:5 181:2 183:12	174:24 210:23	lid (1) 63:23
186:23 219:10	leaves (1) 151:3	lie (2) 183:7 185:13
Kuprewicz's (3)	left (13) 40:10 41:5	lied (2) 184:24
191:21 197:25	54:13 58:14 60:2	185:4
209:2	71:17 99:10 111:3	life (1) 138:11

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

lift (1) 43:9	lives (4) 129:16	204:19 217:8 222:9
light (3) 71:5 106:3	175:5,17 218:7	225:5
207:6	living (2) 118:23	looked (1) 22:10
liked (1) 220:6	119:6	looking (14) 19:4
limit (9) 105:16	load (10) 4:15 8:18	99:9 128:6,8
111:24,25 112:5,7	35:8,9 43:9 65:18	139:15 145:9,10
163:12,13 164:3	100:3,5 112:4,5	150:23 153:12
187:24	loading (2) 35:8	154:3,4 166:23
limitations (1)	73:18	203:24 217:6
35:13	loads (2) 56:6 101:3	looks (4) 5:22 20:12
limited (1) 55:4	loan (1) 81:15	97:19 206:22
limits (10) 40:20	local (9) 7:3 87:20	loop (1) 56:17
162:19,21,22,25	177:8 198:19 206:6	loops (4) 53:17 54:7
163:4,19,25 164:23	215:22,24 216:15	55:14 58:19
211:16	224:17	lose (1) 75:2
Lin (1) 133:12	located (1) 164:10	losing (1) 110:4
line (25) 10:9 15:22	location (3) 133:19	lost (1) 121:4
40:12,13,14,16	149:8 160:14	lot (27) 8:24 9:5
46:10 47:16 49:10	locations (3) 166:9	11:3,4,5 34:4
49:15,18,25 51:9	171:21 216:13	47:14 96:20,22
54:15,17 79:11	Lochbaum (11) 2:17	111:3 114:25 115:2
126:14 131:17	7:16 9:19 23:18	150:21 156:6
175:2,3 182:17	90:10,21 92:2	158:22 159:5
183:23 187:19	93:25 94:2 115:10	160:21 161:2 165:8
190:17 209:5	160:3	170:21 172:5 173:9
lines (4) 53:14	logistics (1) 150:16	176:14 206:8
99:14 102:22	long (18) 4:6 10:23	213:13 220:16
184:18	11:23 14:2 18:7	221:10
list (2) 104:17	99:23 102:19	Lots (1) 220:5
127:11	115:23 139:20	Lou (1) 5:16
listen (2) 89:7	144:24 145:4,10,22	love (1) 205:17
221:6	146:6,20 147:13	low (8) 64:15,16,18
listened (1) 26:9	150:10 193:7	146:9 147:6,18
listening (2) 122:8	longer (11) 66:20,23	148:2,5
172:21	69:19 70:23 73:13	low-level (1) 64:23
literature (2)	111:18 138:12	lower (2) 43:9
162:21 163:11	181:20 182:10	209:24
little (15) 13:2	218:8,9	lowering (1) 210:16
31:12 77:13 83:11	look (27) 9:17 12:3	lowest (1) 81:15
106:4 122:5 139:5	26:19 40:9 47:22	Lowey (1) 173:16
147:23 151:18	50:20 54:13 57:16	luck (1) 153:6
152:15 154:6 178:2	60:13 72:18 79:12	
188:8 195:7 213:19	86:22 88:16 89:22	M
live (9) 21:8 87:2	98:12,13 130:17	machine (4) 36:3
105:23 119:5,6	158:17 161:20	37:13,16,22
124:9 130:19 153:8	162:21 164:5	mail (1) 174:18
171:2	175:10 177:10	main (2) 53:14 143:5

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

maintain (1) 16:17	131:17,17	measurements (2) 140:11 142:20
maintained (2) 15:5 16:10	Mark (1) 2:18	measures (7) 112:10 148:14,20 182:16 183:22 187:7 219:8
maintaining (1) 15:7	marked (1) 207:21	measuring (3) 135:6 135:7 166:8
maintains (1) 215:21	marriage (1) 227:2	mechanisms (2) 137:19 138:9
maintenance (4) 135:22 138:2,15 157:17	masking (1) 4:15	medium (5) 136:19 147:7,18 148:2,11
major (7) 30:19 36:2 38:9 40:21 70:13 148:17 150:17	massive (3) 40:10 185:15 190:25	meet (13) 41:16 42:22 43:4 75:10 75:25 76:2,20 77:3 85:21 117:12 152:3 186:12 192:2
majority (1) 165:14	masters (1) 132:20	meeting (51) 1:3 4:5 6:22 7:5 8:18 9:10 12:2,7 13:6 17:22 23:8,25 29:10,17 29:19 30:13 31:21 32:8 35:5 38:18 42:6 43:2 47:19 53:12 70:5 74:14 93:12,15,18 104:3 104:13 105:4 107:18 115:10,17 124:25 128:17 129:22 131:10 133:17 139:16,18 151:24 152:5 183:13 197:25 209:3 219:6 220:17 224:5 225:18
making (11) 7:23 18:7 28:15 30:21 49:19 88:6 91:3 94:8 135:16 148:15 157:25	mat (1) 33:10	meetings (22) 8:11 9:2 11:9,15,24 17:8,12 87:20 102:20 103:25 106:6 107:9 118:8 118:12 120:13 130:18 131:5 186:7 186:9 222:22,24 223:19
malfeasance (1) 181:8	material (2) 106:20 145:13	melt (1) 199:23
malicious (2) 50:10 50:11	materials (3) 42:23 172:14,22	meltdown (1) 204:14
management (8) 2:10 5:14 6:13 173:3 174:2,9 176:2 184:11	matter (11) 26:17 54:21 112:24 134:21 139:25 154:3 185:11 190:25 226:19 227:4,8	member (15) 20:22,22 25:7 96:18 105:24
managers (1) 155:22	mausoleum (2) 61:19 62:2	
managing (1) 178:6	mausoleums (2) 62:5 62:12	
manifest (2) 147:14 149:14	Mayor (23) 2:5 5:9 87:7 88:7,10,19,24 89:4,8 116:4,6,25 117:20,24 118:7,11 119:2,19,22,25 120:7,10 208:11	
Manna (4) 3:9 14:16 114:12,14	mean (24) 22:10,20 28:8 45:15 46:3 50:8,17 52:16 63:5 67:4 69:15 77:6 82:3 121:25 135:2 136:14 139:9 163:21 169:18 185:19 195:16 199:7 213:2 224:24	
Manna's (1) 225:8	means (7) 109:2 136:11,14 138:13 139:10 159:6 191:15	
manner (3) 10:6 22:8 82:20	meant (3) 10:14 75:23 207:18	
mantra (1) 87:9	measured (1) 148:3	
manufactured (2) 38:3 59:18	measurement (1) 140:2	
map (2) 185:7 202:11		
Maple (1) 153:9		
mapped (1) 207:20		
March (6) 29:18 41:23,24 69:15 125:14 216:2		
Margaret (1) 133:11		
Marie (4) 3:6 105:11 105:12,23		
Marilyn (3) 105:8		

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

161:18 167:5,8,11 167:15,21,24 168:5 171:3 222:8	199:21	25:3 102:9,10
members (14) 2:1 7:11,15 11:2,7 12:22,25 23:16 112:16 113:23 119:12 122:9 137:6 223:18	million (2) 83:3 159:11	modifications (3) 30:20 39:24 101:11
memorandum (2) 8:16 111:16	mind (1) 174:13	modified (2) 40:6 41:13
memory (1) 115:22	mine (1) 207:10	modify (2) 38:21 40:12
mention (2) 44:3 222:16	mines (1) 97:22	modifying (1) 40:24
mentioned (8) 16:19 50:25 137:5 139:7 156:12 198:11 219:10 221:16	minimized (1) 44:18	modular (1) 221:11
mercury (1) 164:15	minimum (2) 163:23 187:18	moisture (1) 45:20
merits (1) 90:4	minute (7) 105:16 143:2 180:16	molecular (3) 162:6 162:6,8
mess (1) 170:24	181:17 182:23	moment (5) 6:6,25 13:25 122:4 166:25
message (1) 118:18	185:14 206:18	Mondaire (1) 121:12
metal (14) 57:25,25 60:18,19 66:15,16 67:9 70:9,25 71:2 73:5,10 75:5,5	minutes (22) 4:23 14:8 117:17 124:2 124:3,22 125:10 159:22 180:17 183:5 184:25 185:3 186:13 187:11,13 187:22 188:20 190:13 191:24 196:22 197:15 207:3	Monday (1) 152:8
meteorological (1) 156:14	mishandling (1) 130:12	money (10) 83:19 84:4,9,12 86:4 127:8 129:15 130:16 138:14 220:13
method (1) 181:8	missile (9) 50:14 55:18,20 65:25 66:2,8,18,19,21	monitor (6) 95:9 135:12 143:24 150:6 156:22 190:16
methodology (2) 67:7 134:17	missing (5) 124:2,3 124:22 125:10 195:4	monitored (7) 145:22 153:3,22 154:6,12 167:17 194:7
methods (1) 65:20	MIT (1) 162:9	monitoring (54) 6:16 14:19,23 15:3,13 16:4 31:25 32:13 44:21 95:8,10,11 98:12,25 99:3 132:17 134:4,8,11 135:11,14 136:2,5 136:12,13,13,18,22 136:24 137:8,11,15 139:24 140:16,20 141:16 143:3,12,23 145:19 148:14,20 149:18,25 150:4 152:24 153:2,23 157:16 160:9 165:7 165:13 168:15,25
mic (4) 28:25 95:25 104:23 109:8	mitigation (5) 26:7 112:10 183:22 184:16 187:6	monitors (10) 16:6 50:25 51:2,5,13,14 140:24 141:5 153:4
microphone (6) 92:11 92:13,18,19,20 105:15	mix (1) 162:24	
mics (1) 91:15	mm-hmm (7) 13:19 47:21 48:9 203:22 210:10,14 216:10	
middle (7) 56:22 60:14 124:22 141:3 143:11 156:24 178:5	mockup (1) 59:15	
midst (1) 39:15	mod (1) 152:6	
mile (2) 175:17 176:9	model (5) 114:21 156:11 202:9 203:5 203:6	
miles (5) 164:10 172:9 191:3,5	modeling (5) 164:24 202:3,12 204:14,23	
	modification (3)	

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

165:23	name (6) 15:21	149:23
month (2) 17:13	105:23 124:6	neither (2) 174:23
60:22	127:23 128:12	174:25
monthly (1) 17:8	132:13	never (10) 85:13
months (7) 17:24	names (2) 222:10	97:9 127:4 172:15
53:10 132:24 133:6	224:6	172:15 175:22
136:13 140:14	national (6) 85:11	176:2,7 178:22
221:24	114:21 192:6	222:14
Montrose (1) 152:21	196:18 200:24	new (29) 1:1,7 7:12
morning (2) 16:3	206:16	20:21 21:5,8 32:9
163:14	Nations (1) 171:14	32:11 34:2 35:14
morning's (1) 16:3	NCR (2) 88:2,2	36:10 45:3 61:12
mother (1) 119:5	near (7) 16:7,21	93:4 99:8 101:15
motivate (1) 77:13	38:14 165:2 194:2	108:15 114:22
MOU (5) 99:12 101:12	217:3,3	124:10 130:4 150:5
101:25 102:8	nearing (1) 208:17	171:22 181:12,19
111:25	nearly (2) 162:11	181:19 185:15
Mountain (3) 141:2	178:7	218:25 226:4,13
143:11 156:24	nebulous (1) 180:15	newest (1) 172:18
mouth (1) 222:23	necessarily (2) 22:2	news (3) 9:13 118:20
move (9) 26:6 38:4	218:13	119:8
38:24 90:8 131:9	necessary (7) 25:4	nice (4) 4:13 6:2
138:25 160:14	26:22 101:11 148:7	49:7 128:22
161:8 171:15	176:23 179:9 207:5	night (3) 11:24
moved (4) 38:11	need (44) 31:10	152:8 225:20
39:11 40:13,16	33:13,18 34:13,16	NIs (1) 56:2
moves (1) 36:4	39:22 42:7 46:8,12	Nita (1) 173:16
moving (8) 27:10	61:21 66:20,23,25	noncompliance (1)
46:10,17,19 140:15	68:11 71:10 77:11	206:19
146:22 149:7	79:24 81:12 87:15	normal (2) 46:8
205:14	88:23 90:8 97:6	166:15
MPC (4) 36:12,15	111:18 113:6,6	normally (1) 155:19
37:25 45:18	116:16,20 117:12	north (6) 31:22
MPCs (2) 36:11,11	117:13 126:9	32:16,19 45:2 48:3
mud (1) 33:10	130:14 144:9 147:2	48:4
multi-wheeled (1)	160:7 161:2 162:3	Northeast (1) 178:15
57:21	170:24 175:9	northern (1) 44:24
multiple (10) 36:12	178:18 181:23	Notary (1) 226:11
36:12,13 37:25	207:7 221:2,5	note (1) 89:9
46:21 95:2,3	222:3	noted (2) 183:20
143:17 196:15	needed (9) 38:9	225:21
218:24	43:11,14 46:7	notes (1) 99:21
municipalities (2)	69:19 138:17 151:5	notice (6) 9:8 12:10
106:21 224:17	175:10 184:4	99:25 101:6,13
mysterious (1) 111:4	needs (2) 115:5	112:6
	126:7	noticed (4) 9:22
N	negative (2) 55:6	97:4 100:21,23

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

notices (1) 101:15	211:25	143:9
notification (6) 101:8 111:19 112:8 160:11 219:23,24	numbers (4) 31:11,15 31:18 193:2	office (7) 2:10 5:13 6:12 24:13 107:8 175:25 192:19
notifications (1) 8:19	numerous (2) 161:11 181:5	official (1) 157:21
notified (2) 148:13 189:14	NYPA (1) 2:14	officials (6) 2:24 17:14 22:14 87:13 87:22 180:20
notify (1) 100:19	NYS (2) 2:10,11	offspring (1) 185:5
NRC (64) 9:13,25 18:24 19:3,6,13 20:4,19 21:6,10,20 21:24 22:25 30:8 41:23 42:2 74:16 75:13,20 76:23 77:4,9,20 78:25 79:8,16,20 81:3,4 85:12,21 87:12,15 87:19 88:8,12,15 89:25 90:6 91:2,8 94:3,15,18 107:25 125:15 130:6,10,23 180:12,14 192:23 193:19,22 194:17 194:24 195:13 196:3 197:7 198:13 200:3 202:6 205:18 225:3	NYSERDA (3) 2:12 5:16 22:5	oftentimes (1) 108:14
NRC's (2) 193:17 196:17	O	oh (14) 5:24 28:18 49:2 63:8 90:12 131:19 170:21 176:10 180:6 188:2 208:24 210:25 215:11,17
NRCs (1) 94:10	o'clock (1) 224:3	OIG (3) 196:17 198:11 205:19
nuclear (21) 7:17 18:8,18 20:20 55:24 68:15 80:14 81:11 89:20 130:6 130:13 161:12 172:17 175:6 180:12 181:4 192:15,21 194:11 202:7 203:17	Oak (5) 188:12 200:24 201:21 206:15 219:2	oil (8) 70:8,10,19 71:5,24 72:10,15 101:21
number (21) 10:8,14 11:8,11 15:2 18:5 18:13,13 22:23 23:16 31:16 96:13 106:12 125:22,23 127:12 172:8 182:9 183:17 185:10	object (2) 75:18 113:14	oils (1) 98:15
	obligations (2) 18:3 101:13	okay (96) 6:5 14:6 23:7 25:10,14 27:18 30:15 33:4,6 47:5 48:18 49:5 50:15,21 51:21 52:23 53:2 62:7,24 63:7,21 64:11 65:6 65:13,22 66:6,24 68:20 69:13 81:25 83:13,18 86:6 87:6 94:24 96:13 97:25 103:16 104:20,25 105:2,22 108:20 110:5,12,19 112:12 116:23,25 117:3 118:21 119:2,15,22 122:16,21,24 123:7 123:22 124:17 125:4,8,13 131:19 133:2 158:15 166:14,18 167:4,10 168:10 169:3 170:4 170:7,10,24 173:10 174:11 180:2,5
	observation (1) 18:24	
	observe (1) 189:6	
	observed (1) 189:7	
	obvious (2) 148:8 206:21	
	obviously (5) 14:2 49:22 96:21 103:22 104:6	
	occasions (2) 22:24 181:5	
	occur (5) 10:16 17:12 100:21,22 190:18	
	occurred (1) 203:24	
	occurs (1) 14:23	
	Oceanographic (1) 126:5	
	October (2) 31:8 43:22	
	odds (1) 205:10	
	off-load (3) 34:19 34:21 41:17	
	off-loading (1) 97:8	
	offer (4) 11:5 48:10 48:15 169:10	
	offered (1) 224:8	
	offering (2) 48:24	

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

186:14,20 188:16 189:18 193:3 196:13 200:9 201:5 208:12 210:25 214:7,18 215:17 216:3,4 217:18 old (6) 54:8,15 55:16 61:9 171:24 172:16 older (1) 61:7 Oliva (8) 3:13 132:8 132:12 133:5 157:9 157:14 162:23 166:7 once (3) 38:7 100:15 209:21 ones (7) 61:7,7,12 61:16 62:2 88:6 156:23 ongoing (5) 14:22 15:6 174:6 184:20 225:9 online (11) 91:21 92:7 98:24 103:11 114:8,9 121:23 122:8 152:6 175:15 207:12 open (2) 13:3 209:10 opening (1) 102:22 operates (1) 134:25 operating (14) 22:16 22:16 67:19 90:22 96:14,15,24 97:7 97:11,13,20,22 199:16 203:16 operation (6) 37:17 43:13 67:10 80:2 157:19 197:18 operational (4) 66:10 137:21,23 214:24 operations (3) 2:8 5:11 181:25 operator (1) 184:5 operators (1) 190:22 OPEX (1) 137:20 opinion (2) 50:16,19	opportunities (1) 12:6 opportunity (9) 9:8 17:13 26:24 28:9 105:4 112:20 115:2 132:15 224:8 opposed (4) 13:21 23:2 138:5 142:4 opposite (1) 155:12 opposition (2) 21:21 85:17 optimistic (1) 183:5 option (1) 149:8 options (1) 6:15 orange (2) 57:7 226:6 order (8) 6:20 24:18 37:3 104:17 105:6 137:15 187:5 192:11 organic (4) 98:16,19 134:22 139:25 organization (1) 96:16 organizations (3) 13:11 96:14 105:25 organize (1) 12:16 originally (1) 151:22 originates (1) 156:20 Ossining (1) 5:25 outages (1) 46:6 outcome (3) 115:3 181:15 227:6 outdoor (3) 140:19 141:20 148:25 outdoors (1) 147:20 outlined (1) 151:4 outreach (1) 222:21 outrigger (3) 43:12 43:17,19 outs (1) 16:23 outside (16) 9:24 33:25 35:18,24 38:8 69:21 109:5 135:13 138:8	167:17 193:17,18 212:15,18,20 217:2 overall (2) 31:15,16 overlaid (1) 178:8 overly (1) 183:5 overruns (1) 151:5 overseas (1) 42:24 overseeing (2) 87:24 194:18 oversight (20) 1:2,5 4:4 9:22 16:15 31:20 35:4 38:17 42:5 53:11 69:16 70:5 114:22 119:13 172:24 193:23 194:22 195:9,12,19 overview (1) 14:11 owe (1) 121:9 owned (2) 73:2 178:5 owner (2) 197:4,14 owners (1) 94:14 Oyster (4) 21:9 221:12,13,14
		P
		p.m (2) 1:9 225:21 package (1) 42:12 packed (2) 4:6 6:9 pad (36) 29:25 30:17 31:5,7,10,13,14,18 31:19,22 32:9,11 32:18 33:11,13,15 33:17 34:2,2,3,7 37:15 43:22,25 44:4,16 45:4,5 47:13,23 51:2,6,16 53:5 69:24 205:25 pads (4) 31:4 32:3 44:15 52:7 page (7) 3:2 32:23 71:16 99:17 159:20 169:19,20 pages (1) 153:17 paint (1) 57:7 Palisades (1) 176:10 Palladino (1) 2:19 pamphlet (2) 174:19

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

174:21	passes (2) 146:5,17	155:14
panel (1) 222:9	passion (1) 99:11	perception (1) 201:9
panels (3) 116:8,12 116:22	passionate (1) 161:17	perfect (2) 67:4 132:12
paper (3) 163:5 202:22,25	pasted (1) 215:15	perform (2) 100:9,16
paradigm (2) 79:25 81:13	path (3) 43:21,22 53:3	performed (1) 101:17
parameters (2) 145:17 156:15	pathway (3) 19:13 134:14 135:18	performing (1) 7:21
paramount (1) 138:22	patience (2) 93:3 225:17	period (6) 20:3 36:7 61:14 75:2 102:4 188:23
parent (2) 171:3,17	patrol (1) 219:21	periodic (3) 100:16 102:20 171:13
parents (1) 113:20	pattern (2) 100:7 156:18	permanent (1) 102:9
part (17) 15:8 25:21 72:12 91:15 132:20 135:8 152:12 156:21 161:9 169:5 179:23 180:9 181:21,23 182:21 186:4,23	Pattison (1) 2:18	permanently (1) 94:5
participant (1) 127:11	Paul (1) 179:8	permission (1) 182:25
participate (2) 112:20 188:10	pause (2) 92:25 166:25	permit (4) 24:24 25:3 26:3,21
participated (2) 127:16 171:12	PDEP (1) 76:25	permits (2) 27:21,24
participating (4) 107:8 112:13 194:16 222:7	Peekskill (5) 105:23 118:16 119:5 171:2 171:4	permitted (1) 181:7
participation (4) 24:19 25:21 28:6 86:12	peer-reviewed (1) 202:13	person (33) 2:25 4:14 5:21 14:5,17 25:13 95:22 103:25 104:15 105:18 112:19 114:11 117:22 122:11,20 122:24 123:4,7,9 123:16,20,23 124:5 124:12,15,18 128:6 128:11,21,24 131:12,14,19
particularly (4) 77:13 137:13 142:22 148:15	pellets (1) 75:6	personal (1) 165:21
particulate (4) 98:14 134:21 139:24 154:3	pen (1) 57:23	perspective (2) 203:11,13
parties (4) 102:3,5 102:6 227:4	pending (3) 19:23 60:24 74:10	pertaining (3) 8:18 10:24 23:21
partners (1) 90:7	Pennsylvania (1) 178:6	pertains (1) 187:11
parts (6) 42:6,8 43:14 93:19 138:3 138:16	people (36) 11:16 21:7 44:13 66:22 67:6,13,16 71:4 77:9 85:9 87:11,16 87:18 88:13 104:17 106:23 125:16 127:23 128:22,24 129:24 130:19 133:6 139:18 152:6 152:9 166:21 175:8 175:12 212:18 217:22 221:3 222:19 223:22 224:4 225:2	pertinent (2) 16:23 165:10
party (1) 174:10	percent (3) 200:16 200:19,20	Pete (1) 119:21
pass (3) 49:6 50:22 106:22	percentile (1)	Peter (2) 2:16 20:23

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

174:7 182:5,7,25	211:19 212:14,17	185:16 191:5
183:18 187:17	213:6 215:3,23	192:15 193:23
188:5 192:2 194:23	216:23,24 217:2	plants (6) 9:16 15:2
198:18	218:21 219:13,17	20:20 78:4,5 130:8
phone (4) 113:19	220:25 221:4	plate (3) 58:18
173:6 174:25	pipelines (16) 101:3	100:5 102:10
211:25	170:20 171:8,21,23	plates (7) 99:24
Picani (1) 5:16	172:17 174:16	102:11,15 111:18
pick (2) 20:10	175:23 176:3,8	112:3 211:22
174:25	184:3 197:9 200:4	212:10
picking (1) 92:18	207:22 211:8,12	platform (4) 18:23
picture (20) 32:20	pipes (1) 172:11	61:21 68:10,11
35:19 40:9 53:15	piping (1) 38:21	platforms (2) 58:4
54:13 56:23 57:6	Pittsburgh (1) 42:11	67:20
57:10,14,14,15,15	place (16) 46:8	play (2) 26:14
58:20 60:14,20	73:22,24 80:9	191:22
71:19 170:16	82:13 99:25 102:8	please (36) 6:3,24
174:17 177:16	111:18,21 117:7	8:8 12:4 14:21
180:8	148:14,21 165:15	15:17 24:10,22
pictures (6) 39:8	166:11 174:24	55:11 87:19,21,21
53:25 56:19 58:7	187:17	87:21 92:15 95:20
59:25 70:11	placed (2) 74:15	95:21 96:2,9
piece (1) 159:13	140:24	120:21 121:10
pieces (5) 36:2	placing (2) 70:9	124:6 128:5,10,12
59:11 60:19 72:3	141:5	133:2 156:3 159:2
159:9	plan (21) 11:16	172:4 174:12
Pilgrim (1) 49:14	24:19,20 25:21	177:11 178:25
ping (1) 15:19	28:6 35:9 57:14	180:23 181:11
pipe (8) 38:25 40:21	132:18 134:4,8,11	192:3,17 206:2
54:15,16 172:9	135:10,11 137:8	pleased (2) 6:17
176:4 209:12,17	173:3 174:2,9,17	34:7
pipeline (63) 8:14	184:4 194:12 220:8	pleasure (2) 29:2,4
12:16 100:4,5	plane (1) 121:6	plug (2) 58:17,21
101:18 119:16	planning (11) 19:19	plunge (1) 67:8
120:4 161:12	77:14 83:12 85:22	plus (5) 38:8 48:3
162:14 171:22,25	125:24 127:3	88:19 97:15 102:12
171:25 172:3,8,12	174:14,20,21	PM (19) 35:25 37:16
172:13,18,21,24	175:21 219:18	38:6,7 134:21
174:22 175:6	plans (6) 6:13 41:21	139:15,19 140:17
176:20 177:14,15	47:17 113:2 136:3	140:18 143:3
177:17,17,23,25	137:15	145:14 147:19,19
178:3,4,20 180:22	plant (20) 7:9 37:12	149:25 163:2,2
181:16 182:2 184:5	77:23 80:14 81:11	165:9 166:8,9
184:9,12,14,25	82:14 87:2 89:20	PM'g (1) 37:20
185:7,15 190:5	95:14 99:6 115:23	PMs (3) 36:6 136:18
194:2 196:20,23	116:14 164:12,12	136:22
198:6,7,19 199:19	172:18 175:6	pocket (1) 114:2

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

podium (1) 105:13	11:25 91:10 93:11	113:5 218:13
point (62) 1:2,4 4:4 7:22 9:16 10:17,25 14:23,25 16:8 17:25 29:12 69:5 76:15 90:5 110:7 113:16 119:4,7 121:3 133:18 140:25 142:23 152:19 154:7 161:9 162:15 170:20 171:7 174:14,16,20 175:18,19,24 176:7 178:10,14 184:9 187:3,9 191:3,11 194:2 195:2,6 196:20 197:18 198:24 202:10 203:7 209:11,20 211:9,21 212:8,19 216:19 217:3 221:12 224:5,11	93:18 104:13 131:10 158:7 169:21 176:9 portrayal (1) 187:5 pose (1) 197:10 posed (2) 178:19 192:9 poses (2) 41:9,11 posing (1) 12:23 position (3) 16:20 66:13 199:15 positive (2) 16:11 16:11 possibility (2) 183:24 192:11 possible (6) 12:10 36:8 87:3 100:4 115:3 218:6 possibly (1) 51:6 post (6) 8:23 103:10 111:24 129:10 130:5 221:15 post-shutdown (2) 18:19 193:19 postdoctoral (1) 162:9 posted (4) 9:3 107:19 212:16 219:25 postpone (1) 93:13 postponed (1) 93:21 posts (1) 86:24 potential (6) 139:20 149:16 183:21,21 184:8 202:7 potentially (5) 12:14 47:19 49:14 49:16 209:4 pounds (1) 101:4 pour (5) 32:9 33:13 52:12,16,18 pouring (1) 52:7 power (6) 43:17 80:2 161:12 172:17 178:14 203:15 practice (4) 67:2,4	practices (4) 113:2 113:11 129:11 218:4 practicing (3) 60:6 60:9,17 precautionary (3) 135:2,3,24 predate (1) 172:17 preemptive (2) 135:23 136:2 prep (2) 32:13 56:17 preparations (1) 32:12 prepared (2) 110:21 201:23 preparedness (4) 6:13 93:14 104:10 192:7 preparing (2) 7:4 129:5 presence (1) 198:20 present (18) 2:1,21 25:12 29:21 34:22 53:8 93:9 132:16 133:7 134:6 138:3 138:4 154:8 157:24 157:24 159:18 161:20 188:18 presentation (30) 8:12 91:12,16 93:14,20 96:4 104:9 111:2 115:6 122:14 124:23 131:24 132:24 134:8 151:16,19 152:11 153:17 158:10,19 166:17 169:5 209:2 217:24 218:17,19 220:6,19 223:9 224:22 presentations (3) 6:11 112:23 219:8 presented (3) 149:17 157:7,12 presenter (1) 158:11 presenters (3) 23:15
pointed (1) 92:13 points (3) 197:24 215:16 217:5 poking (1) 207:9 policy (5) 134:5,9 144:3 147:24 148:5 pollution (7) 26:2 163:14,17,20 164:13 165:2 171:10 pool (27) 30:2,20 31:3 34:11,18 35:18,24 36:8,25 37:9,15,18,24 38:15,22 39:3 43:22,24 75:3 80:4 80:11 109:13,20 167:16 203:20 210:13 217:25 pools (6) 31:3 80:10 203:18 204:16,20 210:24 poor (1) 21:9 popular (1) 6:20 portion (10) 6:22		

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

27:11 91:21	procedure (3) 47:4,6	117:1 118:1 119:1
presenting (7) 5:19	80:11	120:1 121:1 122:1
105:7 111:15	procedures (7) 80:9	123:1 124:1 125:1
133:11 157:15,22	88:12 97:2,3,6,9	126:1 127:1 128:1
157:23	111:5	129:1 130:1 131:1
president (2) 29:12	proceed (4) 13:5	132:1 133:1 134:1
99:19	91:18 170:9 207:6	135:1 136:1 137:1
PRESIDING (1) 1:11	proceeding (3) 53:6	138:1 139:1 140:1
pressing (1) 123:16	211:6,18	141:1 142:1 143:1
pressure (6) 55:7	proceedings (227)	144:1 145:1 146:1
190:17,18,21 191:7	4:1 5:1 6:1 7:1	147:1 148:1 149:1
191:11	8:1 9:1 10:1 11:1	150:1 151:1 152:1
pressurized (1)	12:1 13:1 14:1	153:1 154:1 155:1
191:4	15:1 16:1 17:1,6	156:1 157:1 158:1
presumably (3) 27:21	18:1 19:1 20:1	159:1 160:1 161:1
209:23 212:7	21:1 22:1 23:1	162:1 163:1 164:1
presupposition (1)	24:1 25:1 26:1	165:1 166:1 167:1
144:16	27:1 28:1 29:1	168:1 169:1 170:1
pretty (10) 9:7	30:1 31:1 32:1	171:1 172:1 173:1
33:16 34:6 40:10	33:1 34:1 35:1	174:1 175:1 176:1
47:24 74:8 102:22	36:1 37:1 38:1	177:1 178:1 179:1
111:6 154:17 182:8	39:1 40:1 41:1	180:1 181:1 182:1
prevent (1) 37:4	42:1 43:1 44:1	183:1 184:1 185:1
prevented (1) 10:6	45:1 46:1 47:1	186:1 187:1 188:1
prevents (1) 142:7	48:1 49:1 50:1	189:1 190:1 191:1
previous (3) 106:3	51:1 52:1 53:1	192:1 193:1 194:1
107:18 186:24	54:1 55:1 56:1	195:1 196:1 197:1
primarily (1) 12:8	57:1 58:1 59:1	198:1 199:1 200:1
primary (4) 53:8	60:1 61:1 62:1	201:1 202:1 203:1
141:14 156:5 216:7	63:1 64:1 65:1	204:1 205:1 206:1
Princeton (3) 162:8	66:1 67:1 68:1	207:1 208:1 209:1
202:4,21	69:1 70:1 71:1	210:1 211:1 212:1
principle (3) 135:2	72:1 73:1 74:1	213:1 214:1 215:1
135:3,25	75:1 76:1 77:1	216:1 217:1 218:1
print (1) 215:7	78:1 79:1 80:1	219:1 220:1 221:1
prior (4) 32:8 35:7	81:1 82:1 83:1	222:1 223:1 224:1
35:8 52:12	84:1 85:1 86:1	225:1 226:1,17,23
probably (10) 22:12	87:1 88:1 89:1	process (26) 8:24
51:8 58:3 61:8	90:1 91:1 92:1,25	22:19 28:15 54:18
69:2 76:18 117:16	93:1 94:1 95:1	57:12 58:11 62:9
173:9 180:13 193:5	96:1 97:1 98:1	64:9 74:16 75:19
problem (10) 87:19	99:1 100:1 101:1	77:19 78:24,25
88:11 122:20 146:9	102:1 103:1 104:1	87:17 91:3 94:8,17
170:6 176:6 187:8	105:1 106:1 107:1	97:17 113:6,24
189:15,15 195:3	108:1 109:1 110:1	114:17 133:18
problems (4) 90:6	111:1 112:1 113:1	140:9 146:14
94:9 97:5 151:20	114:1 115:1 116:1	150:13 165:12

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

processes (1) 144:9	211:12	11:10,25 12:5,8,10
processing (2) 39:18 142:16	Proposal (8) 8:20 17:21 21:2 100:2	13:6 15:11 16:12
produce (2) 173:2,23	101:14 184:2 186:2	19:5 27:16,20 28:9
produced (2) 173:25 206:11	224:14	28:14 93:17 94:11
product (1) 158:19	proposals (1) 149:4	101:16 104:12
professionalism (1) 7:24	propose (3) 140:23 141:23 142:9	110:24 111:7 113:4
professionals (2) 144:7 196:2	proposed (6) 113:2 139:7 146:8 151:2	113:9,11 116:11
professor (1) 153:7	151:24 156:23	117:5 120:13
profile (4) 204:4 205:13 209:24	proposing (4) 12:6,9 218:19 219:14	121:25 129:14
210:16	pros (1) 118:2	162:12,12,22
profound (1) 192:19	protect (2) 44:18 209:12	163:17,17,25
profoundly (1) 103:18	protected (15) 31:5 31:7 44:4,5,6,12	189:25 192:22
program (7) 95:8 98:13 100:13	44:14,17,17 47:15	193:15,16 199:2,19
132:21 151:21	68:14,15 69:22,24	205:10 206:19
202:4 207:18	69:24	217:14 218:3,14,14
progress (5) 9:5 32:2,7 69:18	protecting (1) 154:24	221:19 222:8,12
207:14	protection (2) 44:19 199:2	223:2 224:9 226:11
project (16) 6:15 17:16 29:18,23,24	protects (1) 212:24	publicized (1) 108:19
30:15,25 31:6 73:3	protocol (1) 183:25	publicly (2) 169:15 169:17
75:15 132:22	protocols (4) 8:17 198:8 209:12,15	published (3) 183:18 202:23 205:16
133:14,14 146:11	proven (1) 102:21	pulled (1) 147:22
153:8,13	provide (6) 12:9 14:10 101:5,9	pumps (2) 38:22 47:2
projected (6) 35:21 42:16 53:22 56:10	122:10 135:15	punched (1) 44:13
70:17 74:4	provided (1) 115:24	purchase (1) 160:8
projectile (1) 219:12	provides (2) 150:3 178:14	PurpleAir (2) 141:17 143:13
promise (1) 96:8	providing (3) 101:14 159:10 199:2	purpose (3) 36:14 37:25 216:8
promised (1) 115:19	provision (1) 224:14	purview (3) 182:4 193:18 194:4
promises (1) 125:6	proximity (4) 101:17 140:6 142:6 152:18	push (1) 79:6
promotes (1) 16:12	proxy (1) 143:16	put (32) 8:3 29:15 35:14 40:14,17
prompt (1) 22:8	prudent (1) 135:4	49:9 57:17 58:17
propensity (1) 156:7	PSDAR (5) 18:20,24 19:9 117:4 193:12	63:23 66:17 91:4
proper (2) 98:12 121:9	public (56) 1:1 2:25 6:22 8:4 10:21	92:3 102:7,14
property (8) 95:13 99:6 116:10,15,15		116:13 146:18
116:17 118:2		148:14,21 149:4
		153:14 175:7
		180:25 197:7
		202:12 203:11
		204:10 206:4
		211:16,16 218:8
		219:18 223:5

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

puts (1) 149:17	13:15 43:24 45:24	57:18 62:25 65:15
putting (8) 34:4	47:11 51:19 52:24	65:20 106:20
49:15 72:3 194:9	60:24 74:10 77:4	rails (1) 37:6
198:8 219:11	103:3,4,14 107:16	rain (1) 126:11
221:11 222:19	111:3 112:14 155:6	raise (1) 184:15
PWR (1) 54:19	158:4,7,11 162:2	raised (4) 90:11
	162:16 166:4 168:7	173:15 175:19
<hr/> Q <hr/>	173:7 176:13	225:11
Q&A (8) 8:23 9:2	179:11 193:16,22	ramifications (1)
151:12 212:16	193:25 194:5,10	150:14
214:4,19 216:2	207:2 208:3 220:5	rate (1) 172:10
221:21	223:5	rates (1) 68:16
QR (2) 175:11,14	queue (2) 224:2,7	RCS (3) 54:7 55:14
qualification (3)	quick (13) 10:21	56:16
144:11,16 146:24	14:11 21:15 24:15	re-turn (1) 209:24
qualifications (2)	51:23 52:2 95:5	reach (1) 212:6
137:17 162:4	101:20 107:16	reached (3) 15:8
qualitative (1)	155:7 167:6,12	202:8 203:3
138:10	192:4	reaches (1) 141:8
quality (5) 136:12	quickie (1) 27:14	reaction (4) 75:4
141:9,21 142:2	quickly (2) 13:4	76:12 80:5,13
156:12	14:24	reactor (27) 15:6
quarter (1) 73:25	quiet (1) 122:22	53:16,18 55:15,22
quarterly (1) 186:7	quote (4) 106:18	56:19 58:15,16,17
question (47) 7:10	126:9 198:17 215:5	58:23,25 59:15,21
12:23 20:13 21:14		60:7 62:14,15 63:3
21:16 22:21 41:8	<hr/> R <hr/>	66:4,9 68:5,8
44:3 45:10 51:23	R (1) 226:2	114:24 199:13,16
52:2 63:14,17	racks (1) 37:24	204:5,14 210:8
65:14 67:4 68:22	rad (4) 39:17 40:20	reactors (12) 80:18
78:17 82:7 84:7	57:23 98:24	80:23,24 85:22
96:8,8 106:2,4	radiation (25) 15:3	90:22,23 94:6
107:17 108:10	51:6 95:10 134:20	96:16 171:24
110:20,25 111:15	136:11,23 139:17	198:24 203:17
115:12,20,21	140:2,3 141:22	221:11
152:25 157:3,6,10	142:3,12 143:4,18	read (18) 9:13 16:23
160:16 164:4 166:2	143:23,24 144:2	44:3 91:23 92:4
167:6 168:13	145:9,21 147:21	99:16 103:7 111:17
172:19 190:16	149:20 150:4 154:5	115:7 119:14
191:20 194:14	154:5 168:14	130:25 133:21
201:8 202:17 210:5	radioactive (8) 63:3	147:17 180:14
question's (1)	63:6 71:12 106:20	182:13 202:14
189:21	125:25 167:16	215:18 221:17
questioned (1)	203:18 218:9	readily (1) 215:25
182:22	radius (1) 178:9	reading (2) 99:22
questions (40) 12:11	rail (10) 35:18,23	129:9
12:14,17,19,22	36:23,23 38:8	readings (1) 15:15

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

ready (5) 27:6 29:8 38:11 70:12 72:14	reassured (1) 130:18	reg (3) 65:3,4 187:22
real (3) 95:5 101:20 163:5	rebar (6) 32:6 33:5 33:9,9,14,22	regarding (5) 8:13 19:21 106:14 125:16 170:19
real-time (20) 98:24 99:2 136:18,22 139:24 140:16,19 141:16 142:13,15 143:3,12,22,25 149:18,24 153:5 154:2,9 169:6	recap (2) 30:25 34:12	regards (2) 137:13 162:13
realistic (1) 183:17	receive (1) 16:2	region (3) 2:13 192:14 196:23
reality (1) 118:17	received (5) 8:13 17:18 19:8,8 105:5	regional (1) 24:12
realize (1) 221:4	receives (1) 22:6	register (2) 18:16 105:3
really (55) 9:22 11:4 29:22 30:16 31:17 32:24 33:18 39:19,20 41:15,20 56:22 69:20 74:24 76:22 79:13 87:16 90:25 92:5 94:23 94:24 96:3 112:24 113:24 116:20 117:12 120:19 125:20 127:20 133:6 134:23 138:10,18 159:14 160:15 161:10 163:11,18 164:7 169:9 178:18 182:7 189:16 192:18 193:10,13 196:2 201:12 206:21 211:23 220:6 221:20 222:9 223:4 225:16	recognize (5) 7:2,20 32:16 81:12 196:7	registered (2) 104:18 131:18
realm (1) 23:3	recommend (5) 4:15 93:13 136:2 143:21 146:16	regs (2) 187:17,20
reason (7) 58:2,9 104:3 123:17 128:8 156:21 189:24	recommendation (2) 159:14 223:21	regular (2) 106:6 140:11
reasonable (1) 198:22	recommendations (4) 13:5 134:5,9 154:9	regularly (1) 174:7
reasonably (1) 106:4	recommended (4) 104:2 143:19 144:19 149:9	regulating (1) 20:20
reasons (1) 91:5	recommending (2) 98:11 166:7	regulation (3) 77:21 78:19 163:8
reassessment (2) 198:14 200:3	record (9) 89:10 92:5 103:7 137:16 180:25 192:5 219:11 221:13 226:21	regulations (15) 17:20 19:18,25 20:6 77:10 80:18 80:21 85:5,10,21 90:21,25 94:4 173:17,21
reassure (1) 129:22	recorded (3) 124:4 124:21,25	regulatory (13) 17:14 18:8,18 180:11,13 181:4 182:21 185:23 187:24 192:21 193:18 207:7 208:4
	recreation (2) 95:15 99:8	reinforcements (1) 211:17
	rectify (1) 179:15	reiterate (2) 106:12 128:18
	recurring (1) 10:7	related (4) 138:7 198:23 203:10 227:2
	red (1) 171:22	relative (2) 145:6 156:16
	Redlener (1) 192:5	relax (2) 19:25 20:5
	reduce (1) 68:24	relaxation (1) 19:18
	reduced (1) 134:12	release (1) 148:18
	reducing (1) 138:15	released (3) 140:9 141:7 193:14
	REED (2) 226:9 227:17	
	referenced (1) 183:4	
	referring (1) 212:24	
	reflect (1) 75:11	
	refueling (2) 46:6 68:19	

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

releases (1) 126:8	repeat (3) 65:10	182:24
relevant (10) 12:12	116:2 157:9	requested (2) 122:10
12:19,20 135:19	replace (1) 83:20	129:9
147:3,21 162:4	replaced (2) 61:16	requesting (2) 41:24
171:14 194:10,13	143:10	101:10
reliability (1)	replacement (4)	requests (10) 11:13
117:15	138:3,16,24 157:18	11:14 19:16 21:24
reliable (1) 138:14	replacing (2) 37:6,6	22:8 30:10 74:15
relocated (1) 40:2	replenish (1) 84:5	81:6,7 85:6
rely (1) 140:3	report (25) 18:20	require (10) 34:14
relying (2) 142:5	23:9 42:3 139:4	34:17 62:19 101:5
160:21	143:20 153:19	138:23 150:21
remain (4) 61:14	154:19 156:11	181:14,24 184:15
99:24 130:13	157:21 159:20,24	187:18
198:25	165:18,20 169:14	required (14) 8:19
remaining (1) 223:25	192:20,20 193:20	16:24 17:19 42:6
remains (2) 100:11	193:25 194:5	72:12 100:3 101:15
142:19	196:17 198:12,16	163:23 173:4 174:3
remarks (1) 29:7	198:17 205:19	175:14 198:13
remedial (1) 25:24	222:19	207:24,25
remedied (1) 160:13	reported (6) 17:2	requirement (7) 35:7
remedy (1) 160:18	152:14 153:25	75:11 76:21 77:3
remember (4) 17:5	168:18 169:2	152:3 185:25 192:2
135:24 177:22	226:17	requirements (5)
213:11	reporter (3) 124:7	65:4 74:19,20
remind (1) 202:15	124:25 226:11	85:11 200:14
reminder (1) 105:15	reporting (1) 17:8	requires (2) 142:15
remote (2) 187:18	reports (7) 16:22	150:15
189:10	17:15,19 130:10	requiring (1) 146:13
remotely (4) 67:20	142:9 150:7 207:14	research (3) 108:15
105:19 122:19	representation (1)	130:8 133:22
222:7	140:23	researcher (1)
removal (2) 39:2,17	representative (2)	171:17
remove (6) 39:12	106:5,9	resident (4) 9:6
54:5,5 56:12 57:17	representatives (2)	115:13 195:14,18
71:11	6:14 16:18	resolved (1) 102:19
removed (9) 53:13,15	represented (1)	resources (2) 76:24
53:17 55:19,23	146:25	77:3
56:2 66:2 70:7	representing (1)	respect (9) 11:2
203:19	143:17	82:19,21 86:14,15
removing (1) 67:19	reps (2) 2:15 5:18	90:5 161:19 198:6
renewable (2) 116:4	repurpose (1) 82:17	208:21
117:14	request (15) 8:23	respectfully (1)
repair (1) 39:6	19:21,23,24 76:25	185:20
repaired (2) 40:4	84:8,11 85:23 86:3	respond (2) 10:10
194:8	115:5 125:17,18	12:20
repairs (2) 35:18,24	158:9 173:19	respondents (1)

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

103:2	review (13) 6:15	35:12 37:5,13
Responders (5)	17:23 18:19 25:2	39:15,16 40:23
176:24,25 177:8,9	25:18 75:16 79:18	43:16 44:15,20
216:15	171:13 174:6	45:4,18 46:7,7,9
responding (2)	181:14 191:21	46:15 49:13,19,22
160:19,23	193:17,19	49:23 50:15 51:10
response (28) 9:7	reviewed (5) 20:4	53:4,7 54:22 55:8
11:12 51:20 52:25	81:9 112:9 179:11	55:13 57:6,16,24
69:12 74:11 101:9	181:15	58:8,8,13,20,21,24
103:15 118:22	reviewing (2) 17:21	59:18,24 60:2,5,8
119:10 120:23,25	26:3	60:11,20 61:11,18
146:23 147:5,5,6,8	reviews (1) 75:17	61:22,23,24,25
147:10 148:5,5,11	revised (2) 96:25	62:2,4 63:3,22
148:23 149:10,13	97:8	64:4,5,7,10,21,22
193:15 204:18	revisions (1) 170:3	65:2,16,19 66:10
214:19 222:20	rhetorical (1)	66:12,15,18,20
responses (2) 148:2	194:15	67:6,11 68:11,24
223:6	Rich (20) 2:22 5:18	69:4 71:25 72:13
responsibility (3)	24:2 27:12 28:24	72:18,20,24 73:2
114:25 194:22	29:11 41:4 44:2	73:16,17 74:8,12
223:18	61:3 63:11 75:21	74:17 75:9 76:8,11
responsible (6) 56:9	94:21 95:19 96:6	76:20,23 78:5 79:5
120:3,6 178:16	102:25 103:6,14	79:7,9 80:2,3,4,8
179:8 184:11	108:22 109:7 111:5	80:9,11,12,13
responsiveness (1)	Richard (21) 2:2,7	81:22 82:7,7,14,25
10:20	3:5 5:9,12 7:15	85:4,20,25 88:8,18
rest (3) 58:16	20:12,14 21:13	93:18 96:21,24
114:23 171:15	45:24 77:7 87:7	97:12,14,18,21
restoration (1)	89:8,15,23 113:3	98:3 99:7,15,21
87:10	126:17 155:6	106:8 107:12
result (5) 16:3	163:15 217:13	108:20 109:2,15
94:13 130:11	224:12	110:2,3,6,9,20
191:16 192:25	Rick (9) 8:13 179:5	119:11 122:2
resulted (1) 179:3	180:25 183:12	131:25 132:2 144:4
results (8) 21:3	186:22 191:21	146:22 147:16,24
148:13 169:6	197:24 209:2	152:21 158:12
185:12 197:8,12	219:10	159:8 160:24 165:2
201:4,21	ride (3) 48:11,15,24	165:16 170:13,22
retaining (2) 31:21	Ridge (4) 188:13	177:16 182:4
48:3	200:24 206:15	183:14 185:9
return (2) 75:15	219:2	188:15,22 191:2,18
116:19	Ridge's (1) 201:21	198:8 199:4,6
Reuben (7) 3:14	ridiculously (1)	200:18 201:16
131:21 133:10	77:10	202:24 204:25
137:2,5,5 158:12	right (187) 23:6,22	208:14,16 209:16
Reuter (2) 142:10	25:14 28:20 29:9	209:18,25 210:7,8
143:20	29:21 31:6 33:4,4	211:10,13 213:2

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

218:5 219:17 224:19	rods (3) 109:4 121:2 130:12	164:23 171:5 193:4 196:17 200:6,7 220:14
rightly (1) 139:19	role (5) 9:22 26:14	safely (2) 87:3 198:25
Rights (1) 171:6	190:24 191:23 195:6	safer (3) 7:23 160:14 199:14
rise (1) 149:3	roll (1) 4:24	safety (36) 8:2,14 16:25 23:3 40:19
risk (68) 8:4 82:8,9 83:5,9,15 84:3 86:8,11 114:3 119:11 121:5,10 129:13,14 130:16 132:17 134:11,12 135:5 136:3 142:3 144:23 145:17 146:5,19 147:7,9 148:10 173:2,23,25 179:2,20,24 180:4 180:7 181:9,13 182:8,8,12,20 185:10,11,23 187:8 196:14,19 197:10 200:21 201:10,13 201:18 202:15 203:25 204:3,6,22 205:2,4,10,13 206:16 207:8 209:23 210:16 218:24	roll-up (1) 53:20 rollers (1) 37:3 rolls (1) 29:19 rooftops (1) 116:13 room (23) 18:13 49:8 79:11 119:6 126:19 149:21 180:21 183:2 188:20,21 189:5,6 190:9,20 190:23 191:10,13 211:24,25 212:8 216:2 221:3,7	171:7 172:14,16,22 172:24 173:6 174:9 178:23 179:13 180:10 186:8,15 187:4 194:19 196:9 198:23 199:3 200:14 218:14,15 219:8 220:6,15 221:13
risks (7) 113:15 162:18 163:5 178:19 186:25 187:5 192:9	rope (1) 56:23 rough (1) 16:6 roughly (1) 61:9 Route (1) 176:5 rude (1) 126:22 rule (5) 18:7 81:8 88:20 91:2 94:8 rules (8) 80:13 81:3 81:22,24 82:13 89:12 90:6 94:15	sale (1) 8:20 sample (1) 126:11 sampler (2) 141:24 143:20 samplers (2) 140:5 142:5 samples (1) 153:5 Sandia (3) 196:18 198:10 219:2
river (9) 47:12,13 47:16 48:7 49:4 114:15 177:15,18 191:3	run (6) 67:8 84:9,11 151:22 223:23,23	Sandy (8) 2:4 5:7 20:23 21:18 45:6 64:14 103:5 188:3
Riverkeeper (7) 2:7 5:13 7:16 48:19,23 48:24 219:21	runner (1) 40:25 running (2) 18:7 213:25	Santi (4) 137:4,5 139:7 156:3
road (3) 62:25 65:20 149:14	runs (2) 83:19 84:4 rupture (9) 44:9 178:3 190:10,19 191:9 198:3,6 219:13 221:5	Santiago (7) 3:13 131:22 132:6 133:5 155:25 158:12 159:16
robust (8) 9:7 102:14 107:2 141:12 143:7,9 146:7 150:19	ruptured (1) 190:6 ruptures (1) 216:24	sat (2) 38:20 153:18 satisfaction (1) 101:2
Rock (1) 178:2	S	satisfactory (1) 35:7
Rockland (1) 176:10	s-h-i-t (1) 113:16 sabotage (2) 130:14 144:15	save (1) 86:4
rod (3) 66:13,13,20	safe (12) 7:8 79:22 82:20 87:9 163:13	savvy (1) 175:14 saw (14) 20:18 37:2

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

60:2,4,19 67:8	16:7 95:7 98:13	67:14 68:13 71:18
68:2,12 123:15	113:20 132:19	75:19 81:6 83:8,16
159:22 162:19	133:20,24 135:13	86:10 87:14 88:3
170:16 205:22	135:13 136:14	93:4 105:18 106:22
222:3	141:3 142:4 143:11	111:24 114:14
saws (1) 67:20	154:14,20 156:24	119:3 123:10,11
saying (23) 50:2	159:4,11 160:4,5	126:21 127:25
79:15,19 81:15	160:18 164:11	128:6 140:22,24
84:2,10,13 85:18	165:2 166:12	141:9,17 144:23
88:11 126:19 130:6	178:10,12 185:16	147:18 155:23
154:2 166:5 210:23	220:5,12,15	165:23 166:19
210:23 211:5	science (4) 132:21	167:2 171:14,23
213:21 214:5,20	132:21 162:5 202:4	172:10 178:11
215:2 216:5 219:11	scientific (1) 181:8	180:8 189:11
220:19	scope (5) 25:23	195:14 201:21
says (9) 75:20 76:7	133:15 165:5,18	205:18 210:5
76:10 109:12 130:5	193:18	219:25 221:4
182:14 185:12	Scoping (1) 24:20	222:10
196:16 224:15	Scott (1) 2:19	seeing (7) 14:3 21:2
scaffold (1) 40:10	scratching (1) 66:22	49:20 145:16 148:6
Scaglione (2) 2:20	screen (2) 8:6	166:21 221:22
23:19	123:14	seek (1) 94:14
scale (3) 146:23	seamless (1) 36:7	seen (5) 100:19
147:5 162:17	search (1) 128:7	148:2 190:22
scales (1) 147:15	second (4) 34:10	206:10,10
scathing (1) 182:8	53:3 119:4 136:17	sees (1) 200:11
scenario (22) 136:17	secondary (1) 213:15	seg (2) 63:9 69:11
136:21 139:23	section (4) 57:16	segmentation (12)
140:15 141:22	100:2 110:25	30:5 53:4 56:9,14
142:25 143:2,6	220:22	56:15 58:5,10 59:9
145:16 146:5,8,16	sections (1) 94:4	60:10,24 61:23
149:13,16 150:2,11	Secure (2) 197:2,3	69:11
151:2 157:7,16	security (19) 44:20	selection (2) 134:25
175:23 176:20	44:21 49:11,11,18	137:13
189:14	50:4 51:10,12,16	sem (1) 35:5
scenarios (10)	66:4 70:6 71:17	Senate (1) 20:22
135:12,15 136:6	108:7 154:13	Senator (3) 2:16
137:3 139:6 144:12	179:10 181:7	23:17 107:7
144:17,20,22	197:14 202:5 209:5	senior (1) 17:22
157:12	see (69) 4:25 5:24	sense (1) 209:4
schedule (6) 4:8	13:4 14:17 20:18	sensitive (1) 181:10
17:17 34:23 73:22	21:10 31:5 34:5	sensors (5) 141:17
73:24 75:14	37:22 38:2 40:23	143:10,13 156:13
scheduled (4) 34:19	41:8,11 47:13,24	156:14
34:22 42:19 60:21	48:10,15,16 49:4	sent (4) 99:2 133:8
Schneider (1) 28:12	49:16 50:4 57:5	148:24 170:3
school (32) 5:7 6:17	59:14 60:6,15	sentence (1) 25:19

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

separate (1) 53:5	shipping (1) 72:6	48:5,8 57:6 58:18
separated (1) 147:4	short (13) 16:10	58:19 61:25 64:2
sequence (1) 206:25	20:3 93:16 108:5,9	141:18 176:11
series (2) 55:20	111:14 144:24	siding (1) 199:23
59:24	145:4,8,20 146:6	sight (5) 47:16
serious (2) 106:19	146:19 149:25	49:10,18,25 126:14
161:15	shorter (2) 84:15	sign (1) 99:12
seriously (2) 179:14	147:14	signed (2) 99:18
195:12	Shorthand (1) 226:9	102:5
served (1) 21:25	shortly (2) 24:21	similar (2) 10:6,15
service (6) 1:1	203:4	simplify (1) 152:12
15:11 40:16,18	shot (1) 90:14	simply (3) 94:18
101:16 219:19	shots (1) 196:15	103:24 139:10
services (4) 137:11	shout (1) 29:7	simulation (1) 60:7
138:7 139:2 151:5	shovel (2) 183:11	singing (1) 181:2
set (9) 11:15 56:19	193:7	single (5) 7:23
58:4 113:19 150:6	show (13) 32:25	172:2,2 174:19
150:20 165:23	35:19 39:7 53:15	194:25
199:22 227:12	53:25 58:3 70:11	Sipos (53) 2:3 3:3
sets (1) 53:5	84:17,19 132:25	5:22 14:9,13,22
setting (2) 123:18	190:21 191:9	15:23,24 17:4
165:12	223:23	21:23 23:11 25:11
severe (1) 130:11	showed (4) 32:20	25:18 27:8 28:5,18
shack (1) 71:17	82:22 169:5 193:6	44:2,9,23 50:2
shake (1) 96:11	showing (2) 58:7	51:5 63:11,18,21
shaking (1) 116:5	172:7	63:24 64:5,11
shape (1) 39:9	shown (3) 45:3 84:17	75:21,22 76:3,8,14
Shapiro (2) 107:7	181:17	76:17 92:4 107:21
121:12	shows (6) 32:15 33:5	108:2,5,9,25
share (3) 9:18 12:12	58:14 130:8 171:20	120:18 197:2,4
196:9	216:23	199:8,12 202:17,20
shared (2) 12:24	shrift (1) 93:16	202:24 203:8,23
187:3	shrinks (2) 44:14	204:10,18 205:6,13
sharing (1) 96:14	69:25	Sipos's (1) 209:20
Sheetrock (1) 116:14	shut (8) 119:15	sister (1) 124:11
shelf (1) 91:5	130:10 180:17	site (47) 7:23 16:6
shelter (2) 174:23	184:24 187:19	16:9,17 20:9 29:11
181:8	198:25,25 209:5	42:13,21 44:12,14
shield (5) 55:18,20	shutdown (7) 94:5	44:18,24 56:16
65:25 66:3,8	180:16 181:17	59:10 61:14 69:25
shift (3) 79:25	185:14 199:5,12	70:13 74:7 87:10
81:13 149:4	206:18	99:14 100:9 106:24
ship (3) 56:14 63:5	shutting (2) 192:9	117:4 129:24
65:21	222:17	140:10 141:3,14
shipped (8) 42:23	sic (1) 108:24	142:4 144:3 145:12
59:10 61:13 62:23	side (15) 41:5 44:24	145:15 151:23
65:5,7,12 71:13	45:2 47:23 48:3,5	154:7 155:13,21,22

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

155:23,23 156:22	196:13 202:2 206:2	72:3 80:19 91:10
167:16 196:3	208:16 212:12	92:6 98:18 99:18
213:22 218:17	213:5,25 215:5	103:19 104:7,11
221:6 224:15,16	217:5,5,8 223:4	117:2 123:8 127:18
225:7	225:3,3	157:9 162:6 163:2
sites (3) 10:2	slides (19) 6:4,5	168:9 180:6 187:14
130:12 155:10	23:21,23,24 25:12	188:3 189:16
siting (1) 224:18	25:17 29:6 34:25	198:22 211:4 217:9
situation (7) 91:2,7	95:21 96:2,4,7	217:14
160:18 203:16	169:16 172:5	sort (1) 52:8
204:20,21 206:22	176:14 215:8	sorts (1) 111:4
situations (1)	217:15 223:4	sound (2) 95:23
160:13	slightly (2) 141:2	132:2
six (3) 53:10 136:13	143:7	sounds (1) 220:7
140:14	slip (1) 42:25	soup (1) 194:23
sixty (1) 116:11	Sloop (1) 114:16	source (1) 164:13
sizes (1) 60:5	slot (1) 11:19	sources (4) 47:2
skid (1) 39:18	slow (1) 148:19	164:9,25 198:21
skin (1) 153:9	slump (1) 52:13	south (3) 48:5 95:14
skip (4) 23:23 104:9	small (2) 149:6	99:6
180:24 220:23	221:11	Spanish (2) 175:17
slab (1) 219:11	Smith (2) 2:15 5:17	222:6
slide (94) 6:3,24	smooth (1) 7:7	SPDES (5) 24:24
8:8,8 12:4 14:18	SMRs (1) 224:15	25:25 27:25 28:2,7
14:20 15:17,19	snap (1) 148:17	speak (8) 61:19
16:14 17:3 18:4	SOCA (1) 196:24	105:5 124:5 129:4
19:24 24:10,22	soil (1) 156:8	131:4,18 187:16
26:6 27:3 29:7,13	solar (4) 116:8,12	224:8
29:14 30:14 32:14	116:22 117:8	speaker (12) 2:23
32:23,24 33:21,22	solicit (2) 12:11	3:2 6:18 11:21
33:23 34:9 36:19	223:2	92:9,17,18 93:17
37:10,19 38:13	solicitation (1)	105:9,17 123:17
40:8 41:18 43:6,7	222:22	131:15
51:21 54:9,23	Solutions (1) 171:9	speakers (6) 11:20
55:11 56:21 57:10	solvent (1) 145:11	15:20 121:23,25
58:12,13 59:7,13	somebody (4) 91:22	122:18 223:25
59:23 71:17,20	121:4 195:2,2	speaking (10) 11:25
72:8,16,22 73:7,11	somewhat (1) 206:9	15:22 24:5 28:11
73:14,15 94:22,23	soon (3) 154:17	93:24 95:25 124:10
94:24 98:4 133:2	165:22 166:22	127:25 165:16
147:2 162:4 169:4	sophisticated (1)	175:17
170:14,15,23	153:15	speaks (2) 138:4
171:19 172:4	sorb (1) 156:7	145:5
174:12 177:11	sorry (35) 5:24	Spear (4) 2:8 5:10
178:25 180:3,23	21:14 29:3 43:6	28:21 107:6
181:11 188:7 192:3	45:3 51:3,24 54:14	specific (5) 30:23
192:17 193:4,9	57:11 65:9 68:6	111:15 133:24

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

134:4,9	150:14 173:8 183:3	195:10,13 196:9
specifically (5)	187:4,15 189:7,20	201:18,20 204:2
53:13 99:15 165:4	190:19 191:21	206:6 218:25
171:6 173:17	220:11,14	220:10 224:16
specificity (1)	staff's (2) 18:24	226:4,13
159:21	193:19	state's (3) 179:24
specified (1) 173:21	staffing (1) 159:12	180:4 181:12
specify (2) 44:5	stage (1) 19:14	stated (1) 215:23
50:9	stakeholders (5)	statement (7) 6:22
specs (1) 72:12	147:3 148:8,11,12	21:20 93:17 104:13
speed (1) 156:16	148:25	110:21 122:10
spend (1) 138:13	stand (2) 182:11	192:5
spending (1) 7:18	183:23	statements (2)
spent (34) 30:2,18	standard (2) 117:11	182:12 187:2
30:20 31:2,3 34:11	218:4	states (1) 94:12
34:18 35:18,24	standards (6) 26:11	station (1) 191:2
36:25 37:9,24	26:20 52:10 160:9	status (3) 29:22
38:21 39:3 40:5,15	196:8,10	207:4 213:22
41:22 75:3 109:13	stands (1) 140:7	stay (8) 9:4 59:3
109:20 130:3,12	start (15) 32:9	114:10 158:6,9,14
162:10 202:9,10	34:19,20,23 35:3	162:3 195:14
203:17,18 204:15	36:10,17 41:17	steam (25) 53:14,14
204:19 205:19	59:25 60:12 104:14	53:24,24 54:4,11
209:21 210:13,24	107:17 110:3	54:17,17,20 55:13
217:25	151:13 161:25	56:12 57:4,8,17,19
spirit (2) 206:20,23	started (10) 31:24	57:22 58:18 61:17
split (1) 34:25	32:5 35:17 42:9,14	61:24,25 62:4,11
spoken (1) 102:8	54:3 70:20 91:2	63:12,18 71:25
spot (1) 223:5	94:8 225:7	steel (14) 40:25
spraying (1) 216:25	starters (1) 126:25	56:25 57:4,4 58:18
spring (4) 66:11,11	starting (2) 135:6	72:6,7 99:24 100:5
66:15 132:22	161:4	102:10,11,15 112:3
sprung (1) 196:21	state (60) 1:1 2:18	121:8
spur (1) 65:15	2:20 7:3 15:10	Stenotype (1) 226:11
squad (1) 219:6	16:19 17:11,13,14	step (5) 16:11
SS (1) 226:5	20:22 21:6,25 22:3	142:11 159:8
staff (46) 6:11 7:2	22:4,9,13,14,21,21	160:15 161:3
8:10 15:12,12	22:22,24 23:4,9	stepping (3) 195:20
16:16 17:10,11,23	24:23 25:25 26:10	195:22 196:10
18:18 19:3 25:19	26:15 30:11 75:17	Stokes (2) 142:10
25:24 91:14 94:3	79:4 87:24 95:2	143:21
95:22 122:20,24	102:20 106:7	stopped (1) 97:16
123:4,7,16,20,23	107:24,25 108:11	storage (13) 30:18
124:5,12,15,18	108:12,15 152:23	31:4 70:8,19 71:10
128:6,11 130:10	154:22 160:22	73:12 117:14 194:6
131:12,14,19	168:19 181:13,19	203:20 205:20
146:13 149:24	182:14,21 185:24	209:22 210:12

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

218:18	submit (2) 41:23 75:12	supplies (1) 159:12
store (2) 71:15	submitted (3) 18:25 180:9 185:6	support (9) 21:21 31:25 32:12 55:22
218:6	subsequent (1) 8:25	56:18 59:9 69:19
stores (2) 67:19,19	substantial (1) 116:16	71:11 160:22
storing (2) 71:11	substation (1) 178:13	supposed (3) 18:9 91:12 129:22
130:13	subsurface (1) 33:11	supposedly (1) 175:9
straight (1) 4:24	successfully (1) 40:16	supposition (1) 165:21
strand (3) 43:8,10 53:17	suction (3) 38:21 40:12,12	suppositions (1) 165:17
strange (1) 77:8	sufficient (3) 23:6 112:4,11	sure (24) 5:3 9:12 13:15 17:5 23:13
street (3) 1:7 70:22 72:24	suggest (2) 23:23 203:23	27:19 28:12 37:16 44:7 47:7 49:2,12
stress (2) 131:6 139:9	suggestion (1) 115:11	49:19 52:9,20 77:15 79:6 101:22
stressful (1) 103:21	Sullivan (17) 3:7 107:13,14,21 108:3	103:9 113:7 116:25 160:23 203:3
strictly (1) 165:16	108:7,20 109:2,11 109:17,21 110:2,5	217:17
stripped (2) 54:12 54:14	summarized (1) 193:21	surface (1) 39:13
strongly (1) 113:13	summary (3) 19:5 222:15,18	surplus (3) 82:23 83:3,11
struck (1) 47:14	super (2) 71:24 111:14	surprised (2) 164:20 211:23
structural (1) 200:15	superintendent (8) 2:6 5:8 153:20	surround (1) 196:24
structure (6) 41:11 56:18 57:2 59:9	154:20 158:24 159:3,4 170:2	surrounding (2) 30:21 164:5
66:16 181:10	supervising (1) 21:6	surroundings (1) 166:11
structures (2) 53:18 73:23	supervision (1) 21:5	survey (2) 175:7,11
struggling (1) 33:4	Supervisor (28) 2:2 4:2,12 5:8 6:8	Susan (11) 2:8 3:12 5:10 107:5,11
students (19) 93:8 95:7 98:9 132:19	51:22,25 52:3,5,6 52:15,19,23 65:24	114:5,6,7,8 128:10 128:11
149:24 150:14	66:6,24 67:12,17 67:22 68:3,7,13,20	suspended (1) 94:10
151:15 152:14,18	123:13 151:13,14 159:25 223:20	sustainable (3) 132:21 152:9 171:9
153:12 154:16	Supervisor's (1) 169:10	swift (1) 189:9
160:13 162:2,16		swing (1) 38:16
164:5,21 169:14		switch (3) 72:25,25 123:14
171:3 220:14		system (46) 15:9 19:17 26:2 36:23
studies (1) 203:10		36:23 37:8 39:3,10 39:11 40:2,5,15,17
study (12) 153:15 188:13,13 198:11		
201:22 202:6 203:9		
204:25 205:15		
207:4,5 208:6		
stuff (3) 98:15 170:24 171:15		
style (1) 13:6		
subject (4) 9:14 26:17 112:24 118:6		

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

44:20 45:22 46:2,5 46:8,20 50:5 51:16 53:16 54:3 55:4,22 56:5,5,12 57:13,18 58:16 59:6,18,19 66:13,14 95:10,11 98:25 99:3 102:14 129:2 137:11 162:14 172:2 194:2 systems (6) 46:22 140:4 212:25 214:22,23 216:12	talked (6) 65:24 69:16,17 74:2 107:17 220:23 talking (9) 47:19 53:12 67:21 126:21 147:23 178:24 184:23 186:5 192:15 talks (1) 94:25 tank (13) 70:8,10,19 71:10,23 72:9,10 72:13,15,17 73:12 73:17 109:25 tank's (1) 72:13 tanks (4) 69:19,21 72:5 101:21 Tappan (2) 200:12,17 task (2) 1:4 7:22 tax (2) 2:19 82:18 taxpayers (1) 113:17 teachable (1) 13:24 teaching (2) 153:11 160:25 team (18) 9:17 56:14 60:9 92:14 103:21 133:2,4,5,9 136:19 137:6 158:18 173:6 174:9 186:8 198:15 198:21 209:6 tech (2) 72:12 175:13 technical (18) 2:17 4:18 9:18 91:14 92:8 103:17,21 125:2 151:20 160:22 168:12 169:11 173:8 187:15,15 189:20 223:16 224:3 technique (1) 55:3 technologies (2) 135:19 137:14 technology (6) 138:7 139:2 173:12 200:7 223:23 225:18 tell (14) 28:19 49:6 78:23 79:21,23	83:14 86:3 118:24 119:15 121:3,12 134:10 137:2 173:14 telling (8) 81:22 82:9 84:23,24 85:3 89:12,19 105:6 temporarily (1) 181:24 temporary (2) 182:18 184:17 ten (20) 74:3 75:4 75:10,23,24 76:4 76:12,13,13,21 80:3 108:24 109:4 109:14 110:7 118:3 157:16 175:17 176:9 224:3 term (28) 16:10 20:3 38:14 55:25 66:7,9 66:22 99:22,23 101:25 102:4,19 139:20 144:24,25 145:4,4,8,10,20,22 146:6,6,19,20 147:13 149:25 150:10 terminate (1) 102:2 terms (10) 16:15 102:6 106:8 155:17 162:17 163:13 164:6 191:17 218:14 221:19 terrain (1) 198:19 terrific (2) 24:9 91:25 terrifically (1) 153:14 terrified (1) 131:3 test (7) 42:10,19 52:11,13 93:3 122:15,17 tested (3) 4:20 52:12 104:5 testing (4) 52:8 59:17 126:7,8 Texas (4) 62:23
T		
T (2) 226:2,2 table (3) 15:20 27:13 180:20 tablet (1) 166:23 Taconic (1) 176:5 take (35) 6:25 7:10 12:12 28:14 40:21 70:24 71:8 73:3,4 73:22 74:4 79:20 80:3 83:16 90:5 104:16 116:15 126:10 130:2 152:11 156:2 165:3 169:10 173:7 175:15 178:19 184:13 185:24 187:7 195:12 201:20,24 209:11 218:10 223:18 taken (7) 10:13 11:3 83:15 181:18 191:17 204:2 209:14 takes (5) 37:23 165:15 189:4 190:13 220:14 talk (21) 9:20 29:25 29:25 30:4,5,6,7,9 49:16 77:9 97:23 125:3,7 132:15 176:6 177:9 179:6 179:7 196:15 205:3 225:7		

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

64:16 65:5 125:14	115:25 119:6 155:2	209:19 211:18
text (1) 170:6	155:18 174:13	212:11,13,22,23
thank (85) 4:7,11,12	177:4 184:3 185:6	213:18 214:15,16
6:7 7:14 15:24	210:8 212:9 219:9	215:10,13 216:21
21:12 23:12 25:6	220:16 224:13	218:2 220:15 221:9
28:23 50:22 51:17	things (33) 11:12	221:22 222:12,16
52:5,6 61:3 63:7	19:7 27:10 111:4	222:18,23,25 224:4
64:11 73:15 90:15	114:19 116:9 129:6	224:20 225:6,9
91:25 94:20 98:21	129:18 130:25	thinking (4) 61:6
102:25 103:11,12	137:20,22 138:15	133:23 138:9
104:25 105:22	139:15,17 145:9,11	225:12
107:4,10,14 108:21	145:13 147:13	thinks (2) 200:11
111:8,10 112:12	150:17 156:15	209:6
114:3,4,13 117:17	164:6,14,23 165:8	Thinus (1) 133:12
117:18,18,20,21	174:22 199:20	third (3) 41:20
118:4,13 121:18,19	207:15 210:6,16,20	73:25 136:21
123:7,22,23 124:12	213:13,22 225:14	thirty (5) 185:3
124:15 128:3,16	think (114) 10:17	187:22 188:19
129:3 131:7,8	11:9 13:8,22,23	190:13 191:24
132:11,14 133:3	14:4 16:10 18:10	thorough (1) 22:17
137:4 151:7,9,10	18:15 19:19 20:7	thought (7) 92:22
151:14,15 155:2,3	20:10,17 21:2,10	116:24 117:10
156:25 157:4 158:2	23:4 27:3 40:13	123:14 130:19
158:15,17 159:25	42:21 47:22 48:10	193:13 209:2
160:2 161:4,6,22	48:14,17 49:14	threaten (1) 182:2
161:23 163:9 166:2	50:18 68:21 75:23	three (55) 4:6 23:10
166:3,6 169:3	75:23 76:3,14	29:24 30:16 31:17
223:7 225:20	82:22 83:21 87:4,8	33:12 36:2 43:2
thanking (1) 110:22	87:18 88:22 90:8	55:14 60:3,5 62:18
thanks (17) 7:20	90:19 91:13 99:2	62:19 74:23 95:4
12:5 14:13 20:11	99:16 102:13,13,16	97:24 105:16
28:24 29:10 41:8	106:10,11 108:3	107:16 117:17
47:9 97:25 104:19	111:6 113:3,4	132:23 133:6 134:6
107:3 123:24	114:7 115:5,17	135:11,14 136:5
128:17 131:4 166:4	117:4,8,16 121:24	137:3 139:6 142:25
217:13 223:11	126:17 128:22	143:2,6 146:5
Thao (1) 133:11	152:4 154:21,25	147:5 151:2 153:18
that'd (1) 84:18	158:22 163:24	154:7 159:17,19
theirs (1) 195:17	169:24 175:8	164:8 166:8 169:22
Theresa (3) 2:5 5:9	176:16 178:18,20	180:15,17 181:17
153:19	185:8 186:22	182:9,23 183:4
Theresa's (2) 90:5	187:21 188:12	184:25 185:14
152:20	191:22 195:6,10,12	186:13 187:11,13
thicker (1) 106:16	195:25 196:11	191:5 206:18 207:3
thin (1) 106:15	197:19 198:7 200:9	221:23
thing (18) 28:20	201:7,17 206:8,19	throw (1) 220:13
47:10 50:23 77:7,8	206:21 208:9,16	tick (1) 177:7

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

tight (1) 77:10	60:25 61:2,3,5	153:16 154:22
time (62) 4:23 5:5	91:19,25 95:22	179:4 220:3
8:24 10:23 11:3,16	104:15,18,19	toxic (1) 130:3
12:3,21 13:6 14:5	107:17 120:18	toxicity (1) 134:15
25:16 26:21 28:22	121:22 122:25	track (1) 224:6
29:19 33:18 34:22	123:4 131:12	traffic (3) 100:6,24
41:16 50:24 53:8	151:15 158:24	145:12
61:14 69:5 74:2,4	161:24 215:9	trail (1) 53:9
75:2 84:15 87:21	tonight (16) 4:13,18	trained (2) 118:17
90:9 93:7,23	6:9 11:22 13:24	177:8
103:21 105:16	22:6 41:20 89:10	training (15) 56:8
110:7 127:2 128:23	104:6 114:6 129:13	56:14,15 60:11,21
132:13 137:16	151:16,20 161:20	71:9 73:12 138:24
138:6 147:14	221:9 225:17	138:25 146:13
148:19 150:18,24	tonight's (1) 7:5	150:15,21 162:9,11
151:8,9 157:8,13	tooling (2) 56:15,17	177:6
165:24 168:8	tools (1) 207:12	trainings (5) 175:24
170:12 173:12	top (27) 32:20 33:13	176:19,23 177:2,10
179:25 180:22	41:9,11 47:25	Tran (1) 133:12
181:2 187:12,18	54:16,16,20 55:21	transaction (1)
188:23,25 189:2,3	57:14,17,19 63:25	20:24
189:6 201:3 223:12	66:15 68:2,3,18	transcript (1)
225:21	71:17 109:24,24,25	226:21
timeline (4) 145:8	116:13 139:11	transfer (6) 39:10
165:11 193:6	143:18 174:18	39:11 55:12 60:18
220:17	192:16 211:7	65:18 144:3
timely (1) 9:4	topic (3) 10:17	transition (4) 7:7
timer (1) 123:14	12:17 225:10	34:3 115:20 116:3
times (4) 97:24	topics (4) 217:21,23	translates (1)
115:8 116:2 179:20	225:10,11	147:24
timing (1) 149:10	topography (1) 141:4	transmission (3)
Tina (4) 3:10 117:22	total (2) 157:15,22	162:14 172:9 211:8
117:25 222:16	totally (7) 45:20	transparency (1)
TLVs (1) 51:8	96:25 97:8 126:15	150:8
today (8) 5:6 6:19	126:20 127:6	transport (12) 32:3
19:20 115:7 136:11	175:13	35:17 36:24 37:8
136:16 171:17	touch (2) 112:15	37:14 39:14 56:5,6
220:7	195:7	56:12 57:13,18
told (8) 121:15	touched (1) 74:13	59:4
177:24 181:4 185:2	tour (3) 121:3 212:2	transportability (1)
190:4 201:4 211:23	213:15	106:18
217:10	toured (2) 211:21	transportation (3)
Tom (37) 1:12 2:15	213:21	120:2,3 194:11
2:20 4:7,9 5:17,23	town (16) 1:6,6 2:2	transporter (4) 32:4
13:8 14:13 16:19	4:3 5:25 82:11,17	36:5 37:12 57:21
23:18 24:7 25:6	94:18 95:14 99:7	transporting (2)
27:5,14 29:10 41:8	149:6 151:25	106:20 145:13

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

trash (2) 164:16 171:11	209:14 211:9 222:7	51:4 75:17 79:3,25
traveled (1) 183:3	turned (3) 92:10 154:19 164:20	82:4 83:14 85:16
treated (1) 64:6	turning (1) 131:10	89:17,18 115:8,9
treatment (1) 221:14	Turturro (8) 2:13	120:22 139:16
trees (1) 49:15	3:4 23:18,21 24:6	140:5 148:21
tremendous (1) 11:2	24:11,12 28:16	184:12 187:4
trend (1) 10:9	twelve (5) 74:3	190:15 191:15
trends (3) 9:24 10:4 10:12	82:11 118:3 218:10	193:14 195:10
triage (1) 122:5	218:11	203:8 216:18
tried (3) 151:22 211:15,16	twenty (4) 61:9 109:23 114:17	understanding (6) 8:16 108:23 111:16
trigger (1) 148:17	159:22	116:12 187:14
triggered (1) 112:8	twice (1) 97:24	191:9
tritiated (1) 218:9	twin (1) 124:11	understatement (1) 129:3
true (5) 84:19 181:18 186:15	two (38) 16:7 24:15	unforeseen (1) 144:13
220:21 226:21	25:19,19 31:15	unfortunately (2) 4:14 123:25
trust (3) 18:2 86:24 221:8	35:2 36:16,17	union (1) 221:14
try (24) 4:7,22	37:20 43:11 44:15	unique (2) 16:8 195:6
12:20 13:14 14:9	47:25 53:5,6 72:21	unit (36) 15:5 30:6
24:3,5 29:7 38:16	98:6 103:25 107:19	30:6,23 34:14,17
90:18 91:14 93:23	125:23 131:11	34:18,21 35:2,3,3
93:23 98:23 104:22	140:6,15 141:13,22	36:7,25 37:9,17
110:24 121:23	143:6 146:16	38:12,15,16,20
122:4,10 131:22	149:16 150:2,11	41:22 53:7,8,9,12
132:7 151:11	171:3,23 174:22	53:12,21 54:12,25
155:11 160:17	175:4 186:5,7	55:3,12 57:9 59:11
trying (5) 80:21	197:23 203:14,18	61:8 70:7 71:2,25
104:4 128:19	type (5) 95:10 98:24	United (1) 171:14
196:15 215:14	99:2 153:23 203:20	units (5) 43:17 55:10 141:13 143:7
TSA (2) 194:24 218:20	types (2) 60:3 62:19	203:14
tube (1) 62:2	typical (1) 54:11	Universal (1) 171:13
tubes (3) 63:14,20 64:6		University (6) 3:13 3:14 6:14 132:20
tugboat (3) 177:20 177:21 219:20	U	192:8 202:4
tune (1) 181:3	Uh (1) 78:9	unknown (1) 91:6
turbine (3) 70:10,20 72:23	UI (1) 138:19	unlock (1) 123:17
turbines (1) 70:22	unanswered (1) 111:3	unmute (1) 123:12
turn (11) 4:9 14:10 23:14 28:25 43:6	unbelievable (1) 129:16	unmuting (1) 131:23
71:16 91:14 190:8	unchanged (1) 100:12	unprofessional (1) 127:15
	underestimates (1) 202:6	unrealistic (1) 174:17
	undergo (1) 184:7	
	underground (2) 102:12 219:9	
	understand (26) 48:12,21 50:16	

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

<p>unreasonable (2) 213:20 214:6</p> <p>untrue (1) 180:18</p> <p>update (5) 10:21 27:13 41:19 163:18 188:5</p> <p>updated (1) 174:7</p> <p>updates (6) 6:10 8:9 14:11 23:22 24:15 25:5</p> <p>upheaval (1) 106:7</p> <p>upkeep (2) 137:25 138:17</p> <p>uploaded (1) 217:18</p> <p>upper (1) 57:5</p> <p>upset (3) 28:13 126:13 127:21</p> <p>urge (1) 176:17</p> <p>urgent (1) 148:24</p> <p>use (30) 45:19,21 46:19,22 47:3 56:24 60:3 65:13 65:15,20 66:8,9 83:11 102:11 106:15 117:5,9,11 118:2 127:13 129:24 145:12 154:21 155:13 163:4,25 171:13 175:14 215:21 225:6</p> <p>useful (1) 157:24</p> <p>user (2) 129:2 138:19</p> <p>uses (2) 127:14 141:17</p> <p>usual (3) 136:7,9 139:8</p> <p>usually (1) 199:20</p> <p>utilized (2) 106:17 153:25</p> <hr/> <p style="text-align: center;">V</p> <hr/> <p>Valley (2) 24:13 124:10</p> <p>value (7) 115:23 138:3,4,6 157:24</p>	<p>161:15 216:12</p> <p>values (4) 146:25 147:17,22 148:4</p> <p>valve (4) 188:22 189:10,11 191:18</p> <p>valves (1) 187:19</p> <p>Van (6) 3:12 114:6 128:10,13,14,16</p> <p>vapor (4) 120:25 121:2 197:12,17</p> <p>variables (1) 135:17</p> <p>variation (1) 142:7</p> <p>variety (2) 16:5 108:17</p> <p>various (5) 15:10 16:19 26:25 179:20 209:6</p> <p>vast (1) 117:13</p> <p>vault (2) 61:12,16</p> <p>VCT (1) 36:4</p> <p>vehicle (4) 32:3 36:5 37:12 160:10</p> <p>vehicular (1) 145:12</p> <p>vendors (1) 62:10</p> <p>vent (1) 87:22</p> <p>Venter (1) 133:12</p> <p>venting (1) 219:23</p> <p>venue (1) 89:24</p> <p>Verplanck (1) 152:22</p> <p>versa (1) 17:15</p> <p>version (2) 133:9 169:23</p> <p>versus (2) 164:2 218:5</p> <p>vertical (1) 60:15</p> <p>vessel (14) 30:5 53:3 58:15,25 59:21 60:16,24 61:23 62:21 63:9 63:12 69:3,4,6</p> <p>viability (1) 17:7</p> <p>viable (1) 149:8</p> <p>vice (3) 17:15 29:11 99:19</p> <p>video (1) 127:24</p> <p>view (1) 187:3</p> <p>vigorous (1) 146:8</p>	<p>village (7) 2:5 26:13,16 82:10,16 220:2,2</p> <p>violated (1) 206:24</p> <p>violation (2) 9:13 187:10</p> <p>violations (3) 10:8 10:15 196:5</p> <p>virtual (4) 4:17 5:4 122:15 149:5</p> <p>virtually (3) 23:15 23:17 91:13</p> <p>visible (2) 140:12 142:20</p> <p>visit (1) 16:16</p> <p>VOCs (16) 98:14 136:18,22 139:15 139:19 140:17,19 143:3 145:11 147:20 149:25 154:4 163:3 164:6 164:22 165:8</p> <p>voice (1) 113:10</p> <p>volatile (4) 98:16 98:19 134:22 139:25</p> <p>volunteer (1) 7:14</p> <p>volunteering (1) 83:17</p> <p>Volz-Bongar (10) 3:10 117:23 118:15 119:3,20,23 120:5 120:8,12 121:20</p> <p>vulnerabilities (1) 130:15</p> <p>vulnerable (2) 130:9 130:13</p> <hr/> <p style="text-align: center;">W</p> <hr/> <p>Wacha (3) 2:10 5:13 6:12</p> <p>wait (5) 11:23 43:15 135:4 143:2 167:3</p> <p>waiting (3) 15:19 93:7 96:7</p> <p>walkway (2) 41:9,9</p> <p>walkways (1) 40:4</p>
--	--	---

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

wall (7) 31:21 32:16 32:18,19,22 48:3 106:15	221:15	59:19 60:3,12,12 60:15,18 61:21 63:22 64:2,8,9 65:2,18,20 68:17 68:17 69:25 71:7,8 72:9 75:18,19,25 76:2,20 79:20 80:10 82:9 84:9 90:4 92:21 93:11 95:11 98:10,11,22 99:4 103:10,24 104:13 105:18,18 118:3 122:10,12,15 152:2,11 163:21 200:18 208:12
want (87) 6:25 7:14 7:19 8:9 11:5,23 14:4 22:2 49:21 50:9,19,24 71:3 74:5 77:16 79:16 81:5,6,7 82:3,12 82:14,15 86:4,18 86:20,21 87:2,14 88:3 89:4,9,10 90:13 93:16 94:21 95:9 98:23,23 103:22 106:11 107:6 114:20 115:15 117:25 121:22 128:21 129:23 132:6 135:3 135:4,7,25 151:17 152:9 155:19 158:17 159:23 160:2 161:8 166:24 167:13 170:9 176:15 186:11 188:14 189:17 196:3,4,6,6 201:12 202:14 203:11 210:20 211:14,21 213:9,15 214:17 218:11,12,17 221:18 223:16 224:5,21	wasn't (6) 39:8,9,9 94:7 111:20 115:16	we're (143) 4:7,23 5:3 6:6,11,17,21 7:25 9:8 11:20 12:3,6,8 14:2 15:18 21:2 23:14 23:19 25:15,16 26:12 27:5 30:21 31:4 33:4,16,24 34:10 36:9 37:5,15 37:20 38:5,19 39:15,22 40:24,25 41:13,14 42:21,22 43:3 46:11,12,13 46:17 47:23 48:2 53:12 54:19 57:3 57:12 58:2,14,15 59:16,17 60:6,8,17 61:23 62:9 63:19 69:2 70:9,24 72:2 73:2,9,13,16 74:3 77:22 78:24,24 80:2 81:10,14 82:7 83:4 85:5,9,10 86:7,16 88:16 89:13,19 91:16 93:6,6,15,22 96:6 97:5 98:9 99:5 102:15 103:17 104:11 106:7 116:11 119:23 122:8 126:21 130:19 131:9,10
waste (22) 39:10,11 39:18 62:18 63:6 64:15,15,24,25 65:8,21 71:3,5,6 71:12 73:8,18 116:17 130:13 164:18 194:11 218:18	wastewater (1) 125:25	
watching (4) 18:14 154:24 166:20,23	water (20) 47:2 55:4 64:2,3 68:18,24 69:5 71:9 73:12 80:11 106:21 109:5 109:21,22 110:4,18 126:7 216:25 217:25 218:7	
Watergate (1) 125:11	way (29) 13:9,12 19:6,17 22:18 26:19 57:25 68:25 87:12 93:9 112:21 130:17 142:13 150:25 151:6 155:12 160:11,24 161:3 166:9 188:24 201:14 203:24 207:18 210:5 216:22 220:12 223:12 227:6	
ways (2) 12:3 108:17	we'll (88) 4:20 12:15,20 13:17 24:2 29:24,25 30:3 30:5 31:7,13 32:10 32:11 33:19 34:20 35:3,22,23,25 37:7 38:11,23 39:24 43:4 48:16 51:7 54:8 56:11,13,14 56:16,17 57:16,23 57:24,24 58:17	
wanted (8) 13:3 20:15 119:9 126:2 152:14 155:15 204:6 224:2		
wants (5) 113:8 154:23 194:25 201:10 218:5		
warehouse (1) 71:13		
warrant (1) 209:9		
warranted (2) 184:19 209:7		
Wasfia (1) 133:10		
Washington (3) 129:10 130:5		

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

138:9 139:14	78:3,7,10,14,18	171:8
145:16 148:6	79:3,9,15,19 80:6	wet (2) 45:18,18
150:10 151:11,12	80:17,20 81:2,14	Wheelabrator (2)
157:15 160:23	81:23 82:2,19,21	164:16 171:11
161:2 176:6 184:23	83:2,6,10,18,23	WHEREOF (1) 227:10
185:9 186:4,19	84:2,10,16,22 85:2	whistleblower (1)
196:14 199:4,8,8	85:7,13,18,25 86:6	8:5
199:12,14 201:4,23	86:9,14,20,25 88:5	white (1) 37:21
208:8,8,17 209:8	88:9,18,22 89:3,6	widespread (1)
209:10 211:7 214:5	96:6,12 97:12,18	192:13
214:8 222:11	97:25 131:16,20	Williams (124) 2:23
223:21 225:19	155:7 210:2,4,11	3:8 6:19 90:10,16
we've (41) 4:16 6:20	210:15,19,25	90:19 92:9,16
11:11,15,15,17,18	211:10,13 214:2,5	98:16,19 111:12,13
31:24 33:5,8 38:18	214:8,13,15 217:11	112:12 114:9 158:6
54:24 56:4 59:11	224:11,13,24	161:16,23 163:9
70:15,19 72:2	Webster's (1) 126:18	166:3,13,16,19
87:20 91:11 94:25	week (8) 12:25 18:10	167:2,7,10,13,20
98:8 116:7,7,21	54:3 97:24 100:15	167:23 168:3,7,10
129:19 137:12	104:5 153:16	168:13,17,21,23,25
139:19 144:21	159:18	169:8,13,18,22
146:18 147:4,18,25	weekly (1) 100:10	170:4,7,10,13
152:4 156:13,23	weeks (3) 9:3 72:21	173:10,13,22
159:4,4 168:8	107:19	174:11 179:22
176:7 179:19	weighed (1) 22:25	180:2,6 183:7,10
194:23	weight (4) 101:5	184:22 186:12,18
weakness (2) 50:3,6	111:25 112:5	188:2,7,19 189:13
weather (2) 16:22	211:16	189:18,21,24 190:3
203:5	welcome (9) 4:3	190:8,12,24 191:19
Webex (13) 2:16,17	51:18 63:8 64:12	195:16,22 196:12
2:18,19,20,24	98:2 105:20 118:13	197:3,6 199:4,17
112:14 127:13	118:15 161:20	200:9 201:12,25
166:20,21 170:6	weld (1) 63:23	202:19,22 203:2,22
213:25 222:4	well-organized (1)	204:8,12 205:4,9
webinar (2) 163:15	161:13	205:17 208:5,12,15
166:22	well-versed (1)	208:20,24 209:16
website (1) 23:25	161:11	209:19 210:3,10,14
Webster (104) 2:7	wells (1) 125:19	210:18,22 211:3,11
5:12 7:15 9:19	went (10) 32:25	211:20 213:4,17
20:14 27:14,16,20	66:14 124:3 135:10	214:3,7,11,18,23
27:25 28:3 45:23	153:21 159:19	215:4,7,13,19
45:24 46:9,15,18	183:11 206:7	216:4,10,16,18,21
46:24 47:5,8,21	213:10 223:12	217:12,17,21
48:9,14 49:7,12,23	weren't (1) 10:5	223:11 224:19
50:8,14,17,23	Westchester (9) 2:9	225:13
51:12,17 68:21	5:12 26:14 152:9	wind (9) 155:20,20
69:9 77:6,16,20,24	164:9,14,18 168:18	156:4,8,10,10,15

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

156:16 222:23	6:4,5 19:16 24:23	88:24 89:3 96:12
wind's (1) 155:12	25:23,24 26:10,15	96:19 97:15 99:13
window (10) 74:24,25	26:16 41:14 58:4	116:6 131:25 155:7
76:4,6,10 108:24	67:14 68:11 70:16	167:3 168:13 169:4
108:24 109:10	93:5 95:13 96:4	169:13,14 171:15
110:14 119:4	99:5 102:16 104:6	173:13 188:9
wire (2) 55:2 56:23	119:23 123:18	189:23 190:2,7,11
wish (1) 225:20	132:23 197:20	191:8 199:10
within-entitled (1)	219:17	202:19 208:20,24
226:19	workload (1) 75:14	210:3 211:3,20
withstand (4) 199:18	works (2) 68:25	213:7 214:4 215:14
199:24 200:7	188:25	215:19 225:5
205:21	world (2) 79:5	year (13) 15:9 25:22
WITNESS (1) 227:10	127:14	34:20 74:3 75:10
witnessing (1)	worried (1) 49:18	75:10,23 76:5
189:11	worry (1) 49:10	99:23 102:3,4
wondering (3) 164:19	worrying (1) 129:19	128:20 174:19
164:24 178:21	worse (4) 77:17	years (26) 9:15
wood (3) 60:6,12,17	127:17,17,17	10:10 17:6 61:9,17
wooded (1) 48:4	worth (1) 220:12	70:7,24 71:25
Wooden (1) 99:19	wouldn't (2) 116:19	76:13 82:12 87:18
Woods (1) 126:5	204:12	91:5 114:17 116:11
word (2) 205:7	wrap (1) 224:5	118:4,25 130:2,8
222:23	wraps (1) 60:23	131:2 155:9 157:16
words (4) 78:18	write (1) 22:12	173:15 204:3 212:8
167:18 181:6 198:7	writing (1) 102:5	218:10,11
work (38) 7:4,6,12	written (7) 11:7	yell (1) 178:24
8:11 22:13 23:22	80:18,22 101:9	yellow (4) 38:2
24:16,18,20 25:23	133:21 200:23	41:10,11 171:21
26:18 32:21 39:19	224:25	yesterday (1) 169:6
39:25 41:5 53:5,9	wrote (2) 173:16,18	yesterday's (1) 16:5
67:9 70:14 90:7		York (14) 1:1,7
91:16,23 95:6,9,11	X	20:21 21:6 101:15
98:22 99:4 110:23	X (3) 1:2,5 88:17	108:15 114:22
112:17 122:12		124:10 130:5
133:15 158:19,23	Y	181:12,19 218:25
170:19 177:13	Y (1) 88:17	226:4,13
181:22 196:7	Yale (1) 162:7	Yu (1) 133:12
207:19	yard (3) 72:25,25	yup (6) 27:9 90:16
worked (7) 4:19 98:8	207:11	123:3 166:16
104:5 133:6 137:7	yeah (55) 12:4 20:14	167:23 179:22
152:7 221:22	21:17 25:14 27:7	
worker (1) 40:3	27:15,18 52:11	Z
workers (7) 7:20 8:4	61:2,10 62:16 63:4	Z (1) 88:17
34:5 115:18,22	64:17 65:19 67:25	Zee (2) 200:13,17
163:8 221:14	69:9 77:6 83:23	zero (1) 179:3
working (26) 4:21	84:24 86:18 88:5	zirc (16) 74:24,25

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

75:4,8 76:3,6,10	22:1 23:1 24:1	163:1 164:1 165:1
76:12 80:5,12	25:1 26:1 27:1	166:1 167:1 168:1
108:25 109:9,11,24	28:1 29:1 30:1	169:1 170:1 171:1
109:24 110:13	31:1 32:1 33:1	172:1 173:1 174:1
Zircaloy (3) 75:5	34:1 35:1 36:1	175:1 176:1 177:1
108:25 109:14	37:1 38:1 39:1	178:1 179:1 180:1
zone (3) 113:22	40:1 41:1 42:1	181:1 182:1 183:1
175:18 176:9	43:1 44:1 45:1	184:1 185:1 186:1
Zoom (2) 127:14	46:1 47:1 48:1	187:1 188:1 189:1
151:25	49:1 50:1 51:1	190:1 191:1 192:1
Zyrtec (1) 108:24	52:1 53:1 54:1	193:1 194:1 195:1
<hr/>	55:1 56:1 57:1	196:1 197:1 198:1
0	58:1 59:1 60:1	199:1 200:1 201:1
<hr/>	61:1 62:1 63:1	202:1 203:1 204:1
1	64:1 65:1 66:1	205:1 206:1 207:1
<hr/>	67:1 68:1 69:1	208:1 209:1 210:1
1 (1) 71:25	70:1 71:1 72:1	211:1 212:1 213:1
1,080 (1) 119:14	73:1 74:1 75:1	214:1 215:1 216:1
1,280 (1) 34:16	76:1 77:1 78:1	217:1 218:1 219:1
10 (4) 74:17,21	79:1 80:1 81:1	220:1 221:1 222:1
80:16 147:19	82:1 83:1 84:1	223:1 224:1 225:1
10,000 (1) 172:9	85:1 86:1 87:1	226:1
105 (1) 3:6	88:1 89:1 90:1	192,000 (1) 140:18
10567 (1) 1:7	91:1 92:1 93:1	1970s (1) 178:17
107 (1) 3:7	94:1,3 95:1 96:1	1999 (1) 94:3
10th (1) 42:20	97:1 98:1 99:1	19th (1) 4:5
11 (2) 70:8 71:23	100:1 101:1 102:1	1st (5) 42:18 75:9
111 (1) 3:8	103:1 104:1 105:1	75:12 76:21 77:2
114 (1) 3:9	106:1 107:1 108:1	<hr/>
118 (1) 3:10	109:1 110:1 111:1	2
12 (3) 70:18 71:22	112:1 113:1 114:1	2 (16) 30:6 34:14,18
72:15	115:1 116:1 117:1	35:2,3 36:7,25
123 (1) 3:11	118:1 119:1 120:1	37:9 38:12,15,20
127 (2) 31:17,18	121:1 122:1 123:1	53:9,12,13 55:2
128 (1) 3:12	124:1 125:1 126:1	61:8
132 (1) 3:13	127:1 128:1 129:1	2's (1) 37:17
136,000 (1) 101:4	130:1 131:1 132:1	2.5 (1) 147:19
137 (1) 3:14	133:1 134:1 135:1	2010s (1) 172:11
14 (1) 3:3	136:1 137:1 138:1	2013 (2) 170:21
14th (1) 32:10	139:1 140:1 141:1	193:6
158 (1) 3:8	142:1 143:1 144:1	2015 (8) 91:3 94:7
17th (2) 29:18 69:15	145:1 146:1 147:1	179:4 185:2 201:15
19 (225) 1:8 4:1 5:1	148:1 149:1 150:1	202:12 203:6,13
6:1 7:1 8:1 9:1	151:1 152:1 153:1	2017 (2) 202:23
10:1 11:1 12:1	154:1 155:1 156:1	203:13
13:1 14:1 15:1	157:1 158:1 159:1	2018 (1) 203:25
16:1 17:1 18:1	160:1 161:1 162:1	2019 (1) 18:25
19:1 20:1 21:1		

**Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022**

2020 (1) 41:24	142:1 143:1 144:1	35:3 38:16 41:22
2022 (229) 1:8 4:1,5	145:1 146:1 147:1	53:7,21 55:3,13
5:1 6:1 7:1 8:1	148:1 149:1 150:1	57:9 59:11 70:7
9:1 10:1 11:1 12:1	151:1 152:1 153:1	71:2
13:1 14:1 15:1	154:1 155:1 156:1	30 (1) 101:3
16:1 17:1 18:1	157:1 158:1 159:1	300 (1) 220:11
19:1 20:1 21:1	160:1 161:1 162:1	30th (1) 227:12
22:1 23:1 24:1	163:1 164:1 165:1	34 (1) 94:4
25:1 26:1 27:1	166:1 167:1 168:1	<hr/>
28:1 29:1 30:1	169:1 170:1 171:1	4
31:1 32:1 33:1	172:1 173:1 174:1	4 (1) 34:5
34:1 35:1 36:1	175:1 176:1 177:1	4,000 (2) 113:21
37:1 38:1 39:1	178:1 179:1 180:1	159:7
40:1 41:1 42:1,4	181:1 182:1 183:1	400 (1) 83:3
43:1 44:1 45:1	184:1 185:1 186:1	403,650 (1) 143:5
46:1 47:1 48:1	187:1,21 188:1	41 (1) 34:18
49:1 50:1 51:1	189:1 190:1 191:1	42 (1) 171:22
52:1 53:1 54:1	192:1 193:1 194:1	44 (1) 60:4
55:1 56:1 57:1	195:1 196:1 197:1	48 (1) 177:25
58:1 59:1 60:1	198:1 199:1 200:1	<hr/>
61:1 62:1 63:1	201:1 202:1 203:1	5
64:1 65:1 66:1	204:1,21 205:1	5 (1) 18:22
67:1 68:1 69:1	206:1 207:1 208:1	50 (1) 80:16
70:1 71:1 72:1	209:1 210:1 211:1	50.11 (1) 74:17
73:1 74:1 75:1	212:1 213:1 214:1	50.12 (1) 74:21
76:1 77:1 78:1	215:1 216:1 217:1	500,000 (3) 152:23
79:1 80:1 81:1	218:1 219:1 220:1	220:9,12
82:1 83:1 84:1	221:1 222:1 223:1	52 (2) 31:13,18
85:1 86:1 87:1	224:1 225:1 226:1	54 (1) 97:3
88:1 89:1 90:1	227:14	<hr/>
91:1 92:1 93:1	2023 (2) 31:8 41:16	6
94:1 95:1 96:1	2024 (1) 73:25	6 (1) 71:24
97:1 98:1 99:1	21 (1) 54:3	6:16 (1) 1:9
100:1 101:1 102:1	23 (3) 34:22 43:4,22	60 (1) 60:4
103:1 104:1 105:1	24 (2) 41:23 219:16	66 (1) 200:19
106:1 107:1 108:1	24th (1) 41:24	684 (1) 176:5
109:1 110:1 111:1	25 (1) 3:4	<hr/>
112:1 113:1 114:1	25th (2) 42:3 125:14	7
115:1 116:1 117:1	26 (2) 101:3 177:15	7/8 (1) 42:21
118:1 119:1 120:1	27th (2) 29:20	70 (1) 200:19
121:1 122:1 123:1	151:24	72 (1) 60:4
124:1 125:1 126:1	28 (1) 34:14	75 (3) 31:14,18
127:1 128:1 129:1	29 (1) 3:5	200:16
130:1 131:1 132:1	<hr/>	<hr/>
133:1 134:1 135:1	3	8
136:1 137:1 138:1	3 (17) 2:13 15:6	80 (1) 169:18
139:1 140:1 141:1	30:6,23 34:17,21	84 (1) 176:5

Indian Point Decommissioning Oversight Board- Joint Meeting
May 19, 2022

<p>85 (2) 159:20 169:20 896 (1) 34:13</p> <hr/> <p>9</p> <hr/> <p>9 (1) 176:5 9/11 (2) 114:19 121:5 9:51 (1) 225:21 95th (1) 155:13</p>		
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