



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
WASHINGTON, D.C. 20555-0001

June 10, 2025

MEMORANDUM TO: Philip McKenna, Deputy Director
Division of Reactor Oversight
Office of Nuclear Reactor Regulation

FROM: Dan Geary, Reactor Operations Engineer *Dan R Geary*
Reactor Assessment Branch
Division of Reactor Oversight
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF THE PERFORMANCE INDICATOR PUBLIC
WORKSHOP HELD ON JUNE 5, 2025

On June 5, 2025, the U.S. Nuclear Regulatory Commission (NRC) staff hosted a public meeting with the Nuclear Energy Institute (NEI), other senior industry executives, and various external stakeholders to discuss preliminary concepts for a holistic review and revision of the Reactor Oversight Process (ROP) Performance Indicator (PI) program as part of ADVANCE Act Section 507 activities. The topics discussed during this meeting are described below.

Working Group Charter, Initial Concepts, and International Benchmarking

The NRC staff provided a presentation ([ML25155A058](#)) discussing the PI working group's charter ([ML25125A115](#)), initial high-level concepts for the effort, international benchmarking considerations, and a planned schedule.

The discussion identified that the purpose of the working group is to perform a comprehensive review of ROP PIs, which will inform a potential re-evaluation of the role of PIs in the assessment process and re-baselining of the inspection program to meet ADVANCE Act directives to review the balance of oversight and inspection resources commensurate with safety significance and licensee performance. The timeline for the working group's efforts includes initial results provided to NRC management in September 2025, an initial SECY draft completed by November 15, 2025, and the SECY provided to the Commission by April 1, 2025. The discussion also included an overview of the initial set of PIs and the PI changes that have occurred since the implementation of the ROP.

Initial concepts discussed by the NRC staff included the potential for PIs, or a subset of PIs, to no longer be tied to Action Matrix movement but to inform inspection activities as part of the baseline inspection program. Adjustments to the existing PIs, such as change of significance thresholds, elimination of an existing PI, and creation of new PIs are potential outcomes of the effort. The staff also identified the desire to enhance efficiency for any new PIs by leveraging data that the industry already compiles as part of their own performance monitoring efforts. The program would need to have flexibility to make adjustments early in implementation to ensure

that the PIs are providing a reliable, meaningful indication of plant performance. NRC staff identified that while new PIs would have the goal of informing hours allocated to the baseline inspection program with a goal to reducing overall baseline inspection resources, new PIs may result in additional time required for NRC validation of submitted PI data using Inspection Procedure 71151, "Performance Indicator Verification."

The NRC staff also indicated that proposed changes to PIs would be benchmarked against other international nuclear regulators, as applicable. NRC staff noted that several international regulators mirror the NRC's current approach to PIs and that International Atomic Energy Agency Tecdoc 1141, "Operational Safety Performance Indicators for Nuclear Power Plants" is currently undergoing revision.

Industry Thoughts and Open Discussion

Industry representatives stated that the nuclear power industry has gathered a wealth of data and operating experience in the years since the ROP was first implemented. The PI effort provides an opportunity to leverage this knowledge to make PIs more risk-informed.

Industry representatives stated that use of data that is already provided to INPO for potential new PIs could result in increased burden on industry personnel as data provided to NRC requires a higher validation pedigree. Industry noted that they already provide other data to the NRC for functions other than PIs that may be useful to consider for new PIs. Industry representatives and NRC staff agreed that industry performance monitoring and ROP PIs perform different functions, where industry's indicators for performance have a goal of operational excellence while the ROP PIs monitor for compliance to regulations.

Industry representatives recommended that any new PIs should be focused on areas that would provide the greatest return on investment when considering data gathering and validation time against corresponding reductions in inspection effort. It was also recommended that the working group perform a review of the current PIs to identify their ties to the current baseline inspection program and determine if there are opportunities to further utilize them in lieu of inspection samples.

Conclusion

At the end of the meeting, NRC and industry representatives gave closing remarks. The industry representatives and NRC management both expressed appreciation for the open dialogue during the meeting. The next public workshop, intended to include breakout sessions for PIs based on ROP cornerstone, is anticipated to be held on July 22.

The following link contains the meeting agenda and other information: [ML25155A644](#)

The enclosure provides the attendance list for this meeting.

Enclosure:

As stated

SUBJECT: SUMMARY OF THE PERFORMANCE INDICATOR PUBLIC WORKSHOP HELD
ON JUNE 5, 2025

ADAMS Accession No.: ML25161A073

***via email**

OFFICE	NRR/DRO/IRAB	NRR/DRO/DD
NAME	DGeary	PMcKenna
DATE	6/10/2025	6/10/2025

OFFICIAL RECORD COPY

LIST OF ATTENDEES

PERFORMANCE INDICATOR PUBLIC WORKSHOP

June 5, 2025 - 10:30 AM to 2:30 PM

Name	Organization¹	Name	Organization
Dan Geary	NRC	Veena Gubbi	New Jersey DEP
Phil McKenna	NRC	Bill Rautzen	NRC
Tim Riti	NEI	Grace Spaulding	NRC
John Giddens	Entergy	Sarah Obadina	NRC
Amy Chamberlain	Southern	Jazmin Flores	NRC
Tony Zimmerman	Duke	Alex Garmoe	NRC
Odunayo Ayegbusi	NRC	Eric Riggs	NRC
Tanvir Siddiky	NRC	Jerry Humphreys	New Jersey DEP
Don Wong	NRC	Rob Burg	EPM, Inc
Russ Felts	NRC	Kenneth Kolaczyk	NRC
Desiree Davis	NRC	Jana Berman	Curtiss-Wright
Jeremiah Rey	NRC	Casey Smith	NRC
Rebecca Sigmon	NRC	Joel Jenkins	NRC
Jason Carneal	NRC	Ian Bitner	Energy Northwest
Elias Haddad	NRC	Peter Boguszewski	NRC
David Garmon	NRC	Phil O'Bryan	NRC
Heather Jones	NRC	Maribel Valdez	FPL
Charles Murray	NRC	Aron Lewin	NRC
Brian Benney	NRC	Jake Davis	NRC
Christopher Henderson	NRC	Justin Knowles	Constellation
Jason Schussler	NRC	Jefferson Clark	NRC
Jesse Brown	Constellation	Joy Jiang	Breakthrough Institute
Linda Dewhirst	NPPD	Edwin Lyman	UCS
Jodie Olberding	NPPD	Jennifer Beaton	NRC
Lauren Helstosky	Dominion	Martin Phalen	Unidentified
Brian Yip	NRC	Christopher Riedl	TVA
Robin Ritzman	Curtis-Wright	Devin Bradshaw	NRC
Mike Maiuro	PSEG	Deann Raleigh	Curtiss-Wright
Anthony Jones	NRC	Brad Bergemann	NRC
Melisa Krick	Talen Energy	Cole Cahill	Unidentified
Michael Smith	NEI	Jeff Connors	Xcel Energy
Sam Cohen	NRC	Richard Mogavero	NEI
Jonathan Zeitz	New Jersey DEP	Charlotte Shields	NEI

¹ Unidentified organization indicates that the participant's affiliation was not provided by the issuance of this meeting summary.

Name	Organization¹	Name	Organization
Molly Keefe-Forsyth	NRC	Courtney Huskey	INPO
Rachel Qian	NRC	Mateo Lopez Margarita	CSN
Harrison Ngo	NRC	Molly Marsh	Constellation
Jannette Worosilo	NRC	Andrea Kock	NRC
Andrew Mauer	NEI	Matthew Hardgrove	NRC
Len Cline	NRC	Amanda Mivanyi	NRC
Eric Nour	NRC		