



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

May 19, 2022

LICENSEE: Florida Power & Light Company

FACILITY: Turkey Point Nuclear Generating, Unit Nos. 3 and 4

SUBJECT: SUMMARY OF PRE-APPLICATION MEETING WITH FLORIDA POWER AND LIGHT CONCERNING A PROPOSED DIGITAL INSTRUMENTATION AND CONTROL UPGRADE ON TURKEY POINT, UNITS 3 AND 4 (EPID L-2021-LRM-0007)

On March 7, 2022, a partially closed observation public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) and representatives of Florida Power & Light Company (FPL, the licensee) via video conference. The purpose of the partially closed meeting was to discuss the planned digital instrumentation and control (I&C) license amendment request (LAR) for Turkey Point Nuclear Generating Unit Nos. 3 and 4 (Turkey Point). The meeting notice and agenda, dated February 25, 2022, are available in the Agencywide Documents Access and Management System (ADAMS) at Accession No. ML22056A054. The presentation used during the meeting is available in ADAMS at ML22063A126. A list of attendees is provided as an enclosure.

During the meeting FPL described its implementation outage schedule, content of its planned amendment request, planned supplements to the planned amendment request, and its plan to address human factors engineering (HFE) associated with the planned digital I&C modification. The licensee informed the NRC staff that it plans to request that the review of the amendment request be completed at least 6 months prior to (i.e., April 2024) the Unit 3 fall 2024 refueling outage. The licensee stated that the planned LAR may be submitted early in the second quarter of calendar year 2022 but may slip to a date later in the second quarter due to uncertainty in preparing the LAR. FPL informed the NRC staff that it plans to submit supplements to the planned amendment request involving: (1) surveillance reduction, (2) equipment qualification, (3) improved technical specification markups, (4) some design information, and (5) some HFE information. The licensee stated that some of the supplements are necessary due to workload decisions needed to meet the planned LAR submittal date. The NRC staff expressed concern and skepticism to the licensee about the amount of information that it planned to submit as supplements to the planned LAR. The NRC staff made the licensee aware of potential challenges that could be created with the acceptance review due to the presumed completeness of the planned LAR and potential challenges to review timeliness due to the potential delays in providing necessary information to the NRC.

The licensee stated that the HFE activities needed to support the planned digital I&C modification would conform to NUREG-0711, Revision 3, "Human Factors Engineering Program Review Model." FPL described the points that will comprise the validation for the main control room modifications: (1) conceptional design test (i.e., PV1), (2) preliminary design test (i.e., PV2), and (3) integrated system validation (i.e., ISV). For review of the planned LAR, the licensee stated it planned to rely on PV2 – not ISV. The licensee described its planned use of a full scope glasstop simulator in its validation activities. The NRC staff asked several questions

about the planned use of the glasstop simulator and planned validation activities. Both, the licensee and NRC staff stated that additional communication exchange concerning HFE would be beneficial prior to LAR being submitted by FPL.

No regulatory decisions were made during the meeting. Members of the public were in attendance. No comments or questions from the public were received during the meeting. No public meeting feedback forms were received.

Please direct any inquiries to me at 301-415-2871 or Michael.Marshall@nrc.gov.

/RA/

Michael L. Marshall, Jr., Senior Project Manager
Plant Licensing Branch I
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-250 and 50-251

Enclosure:
List of Attendees

cc w/enclosure: Listserv

LIST OF ATTENDEES

MARCH 7, 2022, MEETING WITH FLORIDA POWER & LIGHT COMPANY

TURKEY POINT NUCLEAR GENERATING UNIT NOS. 3 AND 4

PROPOSED LICENSE AMENDMENT REQUEST

INVOLVING PROPOSED DIGITAL INSTRUMENTATION AND CONTROL UPGRADE

Name	Organization
Eric Benner	U.S. Nuclear Regulatory Commission (NRC)
Samir Darbali	NRC
David Desaulniers	NRC
Greg Galletti	NRC
Brian Green	NRC
Diane Jackson	NRC
Bhagwat Jain	NRC
Jeanne Johnston	NRC
Michael Mahoney	NRC
Michael Marshall	NRC
Kamishan Martin	NRC
Philip McKenna	NRC
Lauren Nist	NRC
David Rahn	NRC
Jesse Seymour	NRC
Richard Stattel	NRC
Gregory Suber	NRC
Summer Sun	NRC
Tarico Sweat	NRC
Justin Vazquez	NRC
Michael Waters	NRC
Brian Wittick	NRC
David Wrona	NRC
Deanna Zhang	NRC
Jack Zhao	NRC
Phil Barnes	Florida Power & Light (FPL)
Warren Busch	FPL
Brian Dunn	FPL
Wesley Frewin	FPL
Jim Goodrich	FPL
Jarrett Mack	FPL
David Stoia	FPL
Brian Haynes	Framatome
Ron Jarrett	Framatome
Ron Jaworowski	Framatome

Enclosure

Name	Organization
Ron Legrand	Framatome
Jerry Mauck	Framatome
Jacek Nowakowski	Framatome
Ted Quinn	Framatome
Abdelnaeem Taha	Framatome
Ray Stewart	Framatome
Bob Terry	Framatome
Lee Williams	Framatome
Pareez Golub	Sargent & Lundy
John McCague	Sargent & Lundy
Alan Campbell	-----
Jose Enrique Cerezal Diez	-----
Rob Chapman	-----
Michael Davis	-----
Kara Dugas	-----
Bill Hannaman	-----
Paul Hunton	-----
Steve Kane	-----
Jeff Kos	-----
Frank Mascitelli	-----
Joe Murray	-----
Warren Odese-Gillett	-----
Lopez Luis Rejas	-----
Ray Stewart	-----
Kevin Ward	-----

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(EPID L-2021-LRM-0007) DATED MAY 19, 2022

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SDarbali, NRR	DZhang, NRR
DDesaulniers, NRR	JZhao, NRR
GGalletti, NRR	

ADAMS Accession Nos.:

Meeting Notice: ML22056A054

Meeting Summary: ML22137A251

Handouts: ML22063A126, ML22063A254

OFFICE	NRR/DORL/LPL1/PM	NRR/DORL/LPL2-2/LA	NRR/DORL/LPL2-2/BC	NRR/DORL/LPL1/PM
NAME	MMarshall	RButler	DWrona	MMarshall
DATE	05/18/2022	05/19/2022	05/19/2022	05/19/2022

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