



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

December 19, 2022

Mr. Steven M. Snider  
Site Vice President,  
Oconee Nuclear Station  
Duke Energy Carolinas, LLC  
7800 Rochester Highway  
Seneca, SC 29672-0752

SUBJECT: OCONEE NUCLEAR STATION, UNITS 1, 2, AND 3 – SAFETY EVALUATION  
FOR THE SUBSEQUENT LICENSE RENEWAL APPLICATION REVIEW, (EPID  
NO. L-2021-SLR-0000)

Dear Mr. Snider:

By letter dated June 7, 2021 (Agencywide Documents Access and Management System (ADAMS) Package Accession No. ML21158A193), as supplemented by letters dated October 22, 2021 (ML21295A035), October 28, 2021 (ML21302A208), November 11, 2021 (ML21315A012), December 2, 2021 (ML21336A001), December 15, 2021 (ML21349A005), December 17, 2021 (ML21351A000), January 7, 2022 (ML22010A129), January 21, 2022 (ML22021A000), February 14, 2022 (ML22045A021), February 21, 2022 (ML22052A002), March 22, 2022 (ML22081A027), March 31, 2022 (ML22090A046), April 20, 2022 (ML22110A207), April 22, 2022 (ML22112A016), May 11, 2022 (ML22131A023), May 20, 2022 (ML22140A016), May 27, 2022 (ML22147A001), June 7, 2022 (ML22158A028), June 8, 2022 (ML22159A151), July 8, 2022 (ML22189A008), July 25, 2022 (ML22206A005), and September 2, 2022 (ML22245A008), Duke Energy Carolinas, LLC (Duke Energy or applicant) submitted an application for the subsequent license renewal of Renewed Facility Operating License Nos. DPR-38, DPR-47, and DPR-55 for Oconee Nuclear Station (ONS), Units 1, 2, and 3, respectively, to the U.S. Nuclear Regulatory Commission (NRC). Duke Energy submitted the application pursuant to Title 10 of the Code of Federal Regulations (10 CFR) Part 54, "Requirements for Renewal of Operating Licenses for Nuclear Power Plants," for subsequent license renewal.

The NRC staff determined that the application was complete and acceptable for docketing as communicated by letter dated July 22, 2021 (ADAMS Accession No. ML21194A245) and noticed in the *Federal Register* on July 28, 2021 (86 FR 40662).

The NRC staff has reviewed the Oconee Subsequent License Renewal Application (SLRA) and has developed the enclosed "Safety Evaluation Related to the Subsequent License Renewal of Oconee Nuclear Station, Units 1, 2, and 3," hereinafter referred to as the Safety Evaluation (SE). The SE reflects the status of the NRC staff's safety review of the SLRA, as supplemented, through September 2, 2022.

The next milestone for this project is the Advisory Committee on Reactor Safeguards Full Committee meeting.

If you have any questions regarding this matter, please contact the subsequent license renewal project manager, Mr. Mark Yoo, by e-mail at [Mark.Yoo@nrc.gov](mailto:Mark.Yoo@nrc.gov) or Ms. Jessica Hammock, by e-mail at [Jessica.Hammock@nrc.gov](mailto:Jessica.Hammock@nrc.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Brian W. Smith", written over a horizontal line.

Signed by Smith, Brian  
on 12/19/22

Brian W. Smith, Director  
Division of New and Renewed Licenses  
Office of Nuclear Reactor Regulation

Docket Nos. 50-269, 50-270, and 50-287

Enclosure:  
SE

cc w/encl: Listserv

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FOR THE SUBSEQUENT LICENSE RENEWAL APPLICATION REVIEW, (EPID  
NO. L-2021-SLR-0000) DATED: DECEMBER 19, 2022

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**ADAMS Accession Nos.:****PKG: ML22349A117****LTR: ML22349A148****SE: ML22349A145 \*via-e-mail. \*\*Concurrence on SE issued December 19, 2022**

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<b>NAME</b>	SWyman**	JColaccino**	SJones**	JWhitman**
<b>DATE</b>	5/24/2022	6/3/2022	1/7/2022	1/7/2022
<b>OFFICE</b>	DNRL/NVIB:BC*	DNRL/NPHP:BC*	DNRL/NCSG:BC*	OGC (NLO)*
<b>NAME</b>	ABuford**	MMitchell**	SBloom**	MWoods**
<b>DATE</b>	9/22/2022	6/8/2022	8/31/2022	12/6/2022
<b>OFFICE</b>	DNRL:D*	DNRL/NLRP:PM	DNRL/NLRP:LA	DNRL/NLRP:PM
<b>NAME</b>	BSmith:BThomson for**	JHammock (ltr)	YEdmonds (ltr)	BHarris
<b>DATE</b>	11/23/2022	12/15/2022	12/15/2022	12/15/2022
<b>OFFICE</b>	OGC (NLO)	DNLR/NLRP:BC	DNRL:D	
<b>NAME</b>	MWoods (ltr)	LGibson	BSmith	
<b>DATE</b>	12/16/2022	12/17/2022	12/19/2022	

Transmittal Letter for Oconee SE for SLRA Review DATE December 19, 2022

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OFFICE	NRR/DNRL/NLRP	NRR/DNRL/NLRP	NRR/DNRL/NLRP	OGC/GCHA /AGCOR/NLO
NAME	JHammock <i>JH</i>	BHarris <i>BH</i>	YEdmonds <i>YE</i>	MWoods <i>MW</i>
DATE	Dec 16, 2022	Dec 15, 2022	Dec 16, 2022	Dec 16, 2022
OFFICE	NRR/DNRL/NLRP	NRR/DNRL		

NAME	LGibson	LG	BSmith	BS		
DATE	Dec 17, 2022		Dec 19, 2022			

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