







Feature Articles

 $30^{\rm Securing\ the\ advanced}_{\rm reactor\ fleet}$

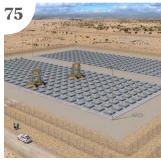
38 Nuclear security workforce development

 $46^{\rm Bowman\,\&\,Smith\,on\,NRC}_{\rm security\,programs}$

U.S. nuclear capacity factors: Ideal for data centers?









Insight & Opinion

- 4 Nuclear Notes
 On capacity factors
 and other things
- 6 Readers Write
 Diablo Canyon advocate group
 denied intervenor compensation
- 8 Letters
- 10 Atoms
 Feeding the grid

12 Leaders

Reducing global radiological risk, moving alternative technologies forward

103 Opinion

Dirty bombs: The terror and the truth

120 Nuclear News Asks

How robust is HALEU from a nonproliferation perspective?

Headlines

- 16 Nuclear Trending
- 24 Meetings
- 60 Power & Operations
- 69 Research & Applications
- **75 Waste Management**
- 80 Education
- 86 History
- 92 ANS News

Community Updates

- 97 Industry
- 101 Index to Advertisers
- 102 Standards
- 107 People
- 110 Calendar
- 112 Calls for Papers
- 118 Recently Published
- 119 ANS Journals

Editorial

Director of Publications John Fabian **Publisher/Editor-in-Chief** Rick Michal

Staff Writers

Susan Gallier, Tim Gregoire, Dot Schneider, Amelia Tiemann

Contributors A. J. Smuskiewicz, Michael McQueen

Copy Editors David Strutz, Mary Tong

Graphic Design Specialist Chris Salvato

Contributing Designers Jay Bogardus, Lisa Dagley

Advertising & Circulation

Director of Advertising and Sponsorships Jeff Mosses **Advertising Production Specialist** Erica McGowan

Editorial Advisory Committee

Jess C. Gehin, John G. Gilligan, Lawrence E. (Larry) Boing, Dale Vines

ANS Officers

President Kenneth Petersen

Vice President/President-Elect Lisa Marshall

Treasurer Harsh Desai

Chairman, ANS Publications Steering Committee
Xiaodong Sun

Administrative

Executive Director/Chief Executive Officer
Craig Piercy

ANS Headquarters

General Information askanything@ans.org

708/352-6611 | Fax 708/579-8314 | ans.org

Nuclear News Advertising

708/579-8225 | 708/579-8226 ans.org/advertising/ | advertising@ans.org

Nuclear News Editorial

708/579-8216 | nucnews@ans.org | ans.org/nn

Nuclear News (ISSN: 0029-5574), Volume 67, Number 6. Published monthly (except during the month of April when issued twice monthly) by the American Nuclear Society, Incorporated, with business, executive, and editorial offices at 1111 Pasquinelli Drive, Suite 350, Westmont, Illinois 60559; telephone 708/352-6611. Subscription rate for 2024 is \$725, which includes complimentary electronic access, 1959 to current issue; for subscriptions outside North America, add \$80 for shipping and handling. Alternatively, subscription rate is \$635 for Electronic Access Only, 1959 to current issue. Single copy price (regular monthly issues) is \$52; add \$12 for postage and handling if being shipped to address outside North America. Single copy price for annual mid-April Buyers Guide is \$125; add \$15 for postage and handling if being shipped to address outside North America. Individual ANS members receive *Nuclear News* as part of membership. Replacement copies may be obtained at the single copy price, as long as copies are available. Inquiries about the distribution and delivery of *Nuclear News* and requests for changes of address should be directed to the American Nuclear Society. Allow six weeks for a change to become effective. POSTMASTER: Send change of address orders to Nuclear News, American Nuclear Society, 1111 Pasquinelli Drive, Suite 350, Westmont, Illinois 60559 Nuclear News is printed in New Richmond, Wis. 54017, by St. Croix

NUCLEAR NEWS IS PITHED IN NEW NICHIRIONA, WIS. 34017, by St. CTOIX Press, Inc. Nonprofit periodicals postage paid at Westmont, Illinois, and at additional mailing offices. Copyright © 2024 by the American Nuclear Society, Inc. Trademark registered in USA and Canada.

Opinions expressed in this publication by the authors are their own and do not necessarily reflect the opinions of the editors, the American Nuclear Society, or the organizations with which the authors are affiliated, nor should publication of author viewpoints or identification of materials or products be construed as endorsement by this publication or by the Society.

Texts of most *Nuclear News* articles are available on the LexisNexis database, from Mead Data Corporation.

