

# Congress of the United States

Washington, DC 20510

April 29, 2022

The Honorable Marcy Kaptur  
Chairwoman  
Energy and Water Development  
House Appropriations Committee  
2362-B Rayburn House Office Building  
Washington, DC 20515

The Honorable Mike Simpson  
Ranking Member  
Energy and Water Development  
House Appropriations Committee  
1036 Longworth House Office Building  
Washington, DC 20515

Dear Chairwoman Kaptur and Ranking Member Simpson:

As you begin work on the Fiscal Year 2023 Energy and Water Appropriations bill, we write to express our strong support for robust and sustained funding for the Department of Energy (DOE) Office of Science.

In June 2021, the House of Representatives passed the DOE Science for the Future Act (H.R. 3593) with overwhelming bipartisan support on a vote of 351-68. The bill was later incorporated into the House-passed America COMPETES Act in February 2022 as part of a larger innovation package. This legislation provides a bold vision on how the DOE Office of Science can help maintain U.S. competitiveness, continue to drive innovation that will create future jobs and boost our economy, and train a highly skilled and diverse science and technology workforce. The legislation also included authorized funding levels that are needed to support new and expanded research initiatives and the timely construction of world-class science facilities. We believe these authorized funding levels should guide future appropriations.

As the nation's primary sponsor of research in the physical sciences, the DOE Office of Science has built—and maintains—a unique collection of 28 large-scale, cutting-edge, one-of-a-kind user facilities relied upon by more than 36,000 researchers annually. Nearly half of these users are university faculty and students from all 50 states. Others come from U.S. industry, and many are conducting research for other key federal science agencies, such as the National Institutes of Health (NIH), the National Science Foundation (NSF), and the Department of Defense (DOD). Without these critical facilities, thousands of users would be forced to move their job-creating research activities overseas or terminate their research altogether.

The DOE Office of Science also supports a first-rate workforce of more than 22,000 research scientists, engineers, and support personnel who work as teams on long-term solutions to some of the nation's greatest challenges and who are ready to tackle pressing problems at a moment's notice. For example, as part of the nation's response to the COVID-19 pandemic, DOE mobilized multi-disciplinary teams from national laboratories, industry, and academia to expedite discovery of antivirals, provide support to Federal, state, and local decisionmakers to accurately forecast disease transmission, and address supply chain bottlenecks for PPE, test kits, and ventilators. Moreover, it plays a unique and critical role in the education of the next generation of American scientific talent, including thousands of graduate students and

postdoctoral researchers at hundreds of U.S. institutions who depend upon DOE Office of Science support and facilities for their research and training.

This collection of research, facilities, and scientific talent has enabled the DOE Office of Science to contribute greatly to our quality of life, our health, and our security. The DOE Office of Science has been integral to the development of several innovative technologies, including MRI machines and PET scans, new composite materials for military hardware and motor vehicles, medical and industrial isotopes, drop-in biofuel technologies, DNA sequencing technologies, more aerodynamic and fuel efficient long-haul trucks, electric vehicle battery technology, an artificial retina, newer and safer nuclear reactor designs, 3-D models of pathogens for vaccine development, tools to manufacture nanomaterials, and better sensors and detectors for biological, chemical, and radioactive materials. The DOE Office of Science's long-standing leadership in high performance computing has enabled countless scientific discoveries.

Looking ahead, Office of Science-supported fundamental research will form the foundation for future energy technologies. The current imperative—energy systems that meet our energy security, economic, and environmental challenges—requires continued, robust investments in all areas of fundamental research to advance all energy systems, including energy storage, negative emission technologies, advanced nuclear, hydrogen, fusion, renewables such as wind and solar, carbon capture, storage and utilization, and next-generation fuels. The Office of Science is also one of the lead federal agencies in advancing critical industries of the future, including quantum information science, artificial intelligence, next-generation high performance computing, microelectronics, advanced communications networks, and biotechnology. These critical investments are major pillars of local and regional economies and can serve as the foundation for ensuring a just transition to clean energy. It is clear that continued innovation and the jobs of the future depend on the Office of Science's ability to maintain U.S. leadership in these critical science and technology areas. As other countries continue to make significant investments in science and technology and specifically in the physical sciences, it is more important than ever to sustain funding for the Office of Science.

By prioritizing funding for DOE scientific research—thereby supporting both the human and physical capital—Congress will preserve our capacity to innovate, reduce our dependence on foreign sources of energy, enhance our competitive edge in the global economy, improve our quality of life, ensure our national security, and create good American jobs well into the future. For these reasons, we urge you to make strong and sustained funding for the DOE Office of Science one of your highest priorities in fiscal year 2023.

Sincerely,



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Bill Foster  
Member of Congress



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Lee Zeldin  
Member of Congress



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Teresa Leger Fernández  
Member of Congress



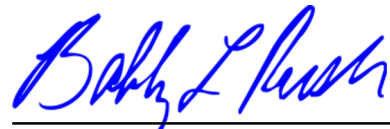
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Randy K. Weber, Sr.  
Member of Congress



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Darren Soto  
Member of Congress



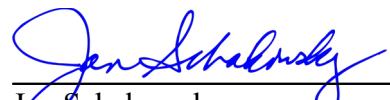
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Bobby L. Rush  
Member of Congress



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Jerry McNerney  
Member of Congress



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Jan Schakowsky  
Member of Congress



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Jenniffer González-Colón  
Member of Congress



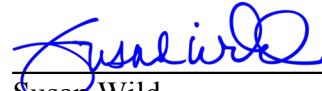
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Joyce Beatty  
Member of Congress



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Sharice L. Davids  
Member of Congress



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Susan Wild  
Member of Congress



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Steve Cohen  
Member of Congress



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Marilyn Strickland  
Member of Congress




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Cheri Bustos  
Member of Congress



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Donald S. Beyer Jr.  
Member of Congress



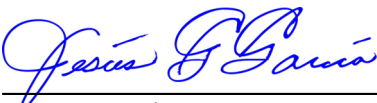
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MARK TAKANO  
Member of Congress



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Kathleen M. Rice  
Member of Congress



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Jesús G. "Chuy" García  
Member of Congress



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Peter A. DeFazio  
Member of Congress

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Nikema Williams  
Member of Congress

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Tom Malinowski  
Member of Congress

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Debbie Dingell  
Member of Congress

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Salud Carbajal  
Member of Congress

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Suzanne Bonamici  
Member of Congress

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Adam Smith  
Member of Congress

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Glenn "GT" Thompson  
Member of Congress

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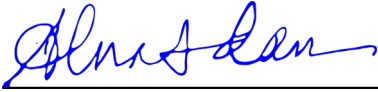
Peter Welch  
Member of Congress

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Julia Brownley  
Member of Congress

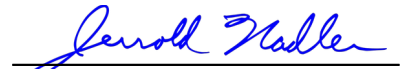
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David N. Cicilline  
Member of Congress



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Alma S. Adams, Ph.D.  
Member of Congress



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Jerrold Nadler  
Member of Congress



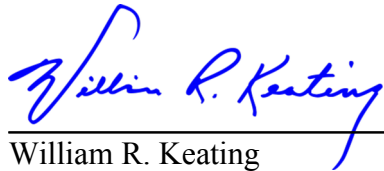
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Diana DeGette  
Member of Congress



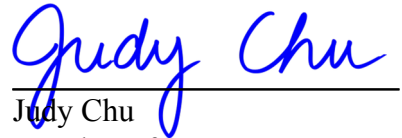
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Lizzie Fletcher  
Member of Congress



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William R. Keating  
Member of Congress



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Judy Chu  
Member of Congress



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Joseph D. Morelle  
Member of Congress



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Eleanor Holmes Norton  
Member of Congress



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Jahana Hayes  
Member of Congress



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James P. McGovern  
Member of Congress



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Rick Larsen  
Member of Congress



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Lucy McBath  
Member of Congress



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Chellie Pingree  
Member of Congress



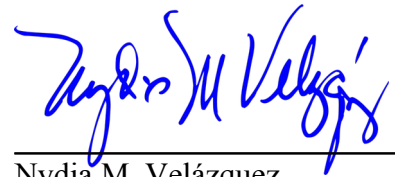
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Tony Cárdenas  
Member of Congress



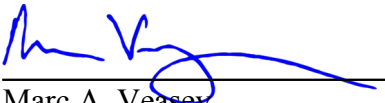
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Antonio Delgado  
Member of Congress



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Nydia M. Velázquez  
Member of Congress



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Marc A. Veasey  
Member of Congress



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Danny K. Davis  
Member of Congress



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Stephen F. Lynch  
Member of Congress



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Ro Khanna  
Member of Congress



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Lori Trahan  
Member of Congress



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Andrew R. Garbarino  
Member of Congress



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Jimmy Panetta  
Member of Congress



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Madeleine Dean  
Member of Congress



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Pramila Jayapal  
Member of Congress



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Cynthia Axne  
Member of Congress



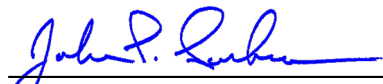
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Ron Kind  
Member of Congress



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Richard E. Neal  
Member of Congress



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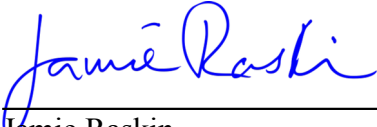
John P. Sarbanes  
Member of Congress



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David Scott  
Member of Congress





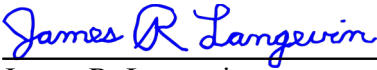
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Jamie Raskin  
Member of Congress



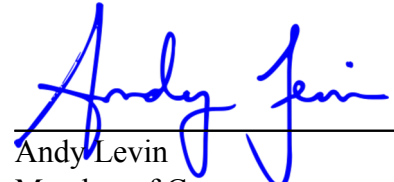
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Doris O. Matsui  
Member of Congress  
, Communications and  
Technology



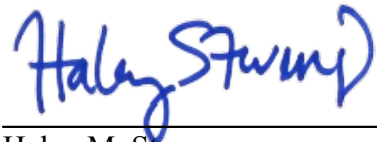
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James R. Langevin  
Member of Congress



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Andy Levin  
Member of Congress



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Haley M. Stevens  
Member of Congress



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Mark DeSaulnier  
Member of Congress



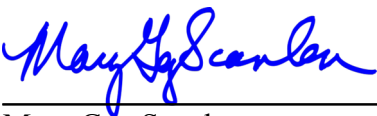
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Elissa Slotkin  
Member of Congress



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Ted W. Lieu  
Member of Congress



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Mary Gay Scanlon  
Member of Congress



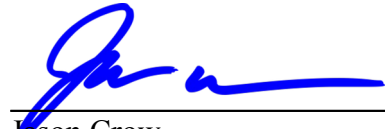
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Kim Schrier, M.D.  
Member of Congress



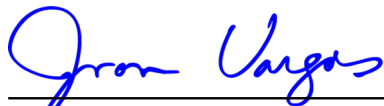
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Thomas R. Suozzi  
Member of Congress



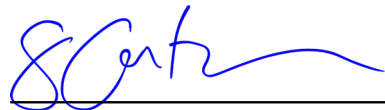
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Jason Crow  
Member of Congress



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Juan Vargas  
Member of Congress



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Sean Casten  
Member of Congress



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Troy Carter  
Member of Congress



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Eric Swalwell  
Member of Congress



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Zoe Lofgren  
Member of Congress



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Ayanna Pressley  
Member of Congress



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Nanette Diaz Barragán  
Member of Congress



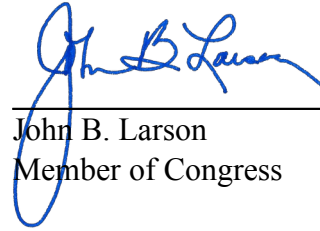
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Shontel M. Brown  
Member of Congress



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Al Lawson  
Member of Congress



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John B. Larson  
Member of Congress



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Rashida Tlaib  
Member of Congress



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Deborah K. Ross  
Member of Congress



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Jake Auchincloss  
Member of Congress



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Conor Lamb  
Member of Congress



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Gwen S. Moore  
Member of Congress



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Josh Gottheimer  
Member of Congress



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Paul D. Tonko  
Member of Congress



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Stacey E. Plaskett  
Member of Congress



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Mike Thompson  
Member of Congress



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Mike Levin  
Member of Congress



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Chris Pappas  
Member of Congress



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Katie Porter  
Member of Congress



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Anthony G. Brown  
Member of Congress



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Seth Moulton  
Member of Congress



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Jim Costa  
Member of Congress



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Dwight Evans  
Member of Congress



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Marie Newman  
Member of Congress




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Jim Himes  
Member of Congress



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John Yarmuth  
Member of Congress



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Chrissy Houlahan  
Member of Congress



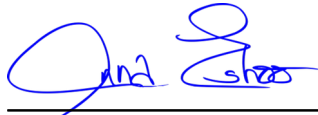
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Terri A. Sewell  
Member of Congress



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Karen Bass  
Member of Congress



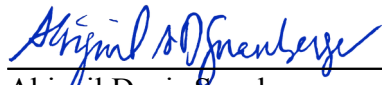
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Anna G. Eshoo  
Member of Congress



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Mike Doyle  
Member of Congress



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Abigail Davis Spanberger  
Member of Congress



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Bill Pascrell, Jr.  
Member of Congress



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Adam B. Schiff  
Member of Congress



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Ilhan Omar  
Member of Congress



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Adam Kinzinger  
Member of Congress



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Scott H. Peters  
Member of Congress



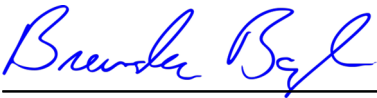
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Andy Kim  
Member of Congress



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Jamaal Bowman, Ed.D.  
Member of Congress



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Brendan F. Boyle  
Member of Congress



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Joe Neguse  
Member of Congress



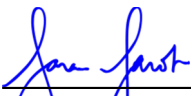
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Barbara Lee  
Member of Congress



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Mikie Sherrill  
Member of Congress



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Sara Jacobs  
Member of Congress



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Donald Norcross  
Member of Congress




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Lisa Blunt Rochester  
Member of Congress



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Ami Bera, M.D.  
Member of Congress



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A. Donald McEachin  
Member of Congress