Kevan Weaver leads TerraPower’s technology development and integration team. Before joining TerraPower, he worked at the Idaho National Laboratory (INL) for more than nine years in various capacities. He served as the national technical director for System Interface and Support Systems for the Nuclear Hydrogen Initiative, and as technical lead for Reactor Testing and Qualification for Fission Surface Power Systems for a NASA/Department of Energy Space Reactor Program.

He also served as the U.S. system integration manager for the Next Generation Nuclear Plant/Very High Temperature Reactor (NGNP) and Gas-Cooled Fast Reactor programs. He was also the co-chair on the international Gas-Cooled Fast Reactor system steering committee for the Generation IV International Forum. Early in his tenure at INL, he was group leader for the Advanced Reactor Design Group. With much of his career in advanced reactor design and analysis, Dr. Weaver collaborated with fellow researchers on Generation IV nuclear energy systems and the Generation IV International Forum. Dr. Weaver is the author or co-author of more than 90 publications and technical reports in nuclear science and engineering, and is the co-author of a new textbook on fast spectrum reactors.

Dr. Weaver holds a Bachelor of Science in physics with minors in math and Spanish from Brigham Young University, and a doctorate in nuclear engineering from the University of Utah. He is a member of the Alpha Nu Sigma and Tau Beta Pi honor societies, and is a member of the American Nuclear Society and the American Society of Mechanical Engineers.

TerraPower® is a nuclear energy technology company based in Bellevue, Washington. At our core, we are working to raise living standards globally. The essential factor? Energy. In 2006, Bill Gates and a group of like-minded visionaries decided that the private sector needed to take action. They believed that business interests could develop a scalable, sustainable, low-carbon and cost competitive energy source that would allow all nations to quicken their pace of economic development and reduce poverty. TerraPower’s goal is to provide the world with a more affordable, secure and environmentally friendly form of nuclear energy.

Since 2008, TerraPower has been bringing together the strengths and experiences of the world’s public- and private-nuclear energy sectors. With deep technical knowledge and commercial experience, TerraPower set out to develop a new nuclear technology called the traveling wave reactor (TWR). Mission-driven innovation has distinguished TerraPower from other nuclear energy endeavors. TerraPower’s unique approach will greatly simplify the current nuclear energy supply chain and significantly mitigate many of the shortcomings of today’s nuclear energy technologies.

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