For Immediate Release

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2018 CURC-EPRI ROADMAP CAN RESULT IN MAJOR ECONOMIC AND ENVIRONMENTAL BENEFITS FOR THE U.S.

Low-carbon emissions fossil-fueled power plants are a key component for a competitive U.S. energy portfolio that will position American engineering and manufacturing expertise at the forefront of global innovation. Ensuring the innovations are developed to provide these low-emission generating technologies is part of the challenge. Public-private partnerships facilitating new energy technologies historically have resulted in meaningful economic growth and significant emissions reductions in the electric power sector. It is these types of partnerships that can better position the U.S. to be a global leader in innovative fossil-fuel technologies.

That is the message outlined in the new report, the *2018 CURC-EPRI Advanced Fossil Energy Technology Roadmap*, which was released today. Jointly prepared by the Carbon Utilization Research Council (CURC) and Electric Power Research Institute (EPRI), the *Roadmap* focuses on the technologies and partnerships needed to improve the environmental performance of fossil-fuel power generation and to support the continued delivery of low-cost and low-emissions electricity.

The *CURC-EPRI Roadmap* presents a plan for delivering low- or zero-carbon emission, fossil-fueled power plant technologies between 2025 and 2035 that can be cost-competitive with other sources of electricity under projected future market conditions. The 2018 *Roadmap* builds on prior *CURC-EPRI Roadmaps* by identifying the technology developments needed to cost-effectively implement technologies that will result in a reduced carbon footprint from the use of coal and natural gas resources in power generation.

The *Roadmap*:

- evaluates development needs for the existing fossil-fuel fleet;
- updates efforts to accelerate development of “transformational” technologies that can deliver significantly higher value in terms of cost, efficiency, flexibility and environmental performance from the use of fossil fuels; and
- promotes continued support of large-scale pilots and demonstrations of new technologies.

“To understand the value of innovative fossil-fuel technologies, we need only to look to the future; coal and natural gas will provide 56 percent of the total U.S. net electricity generation by 2040, demonstrating the importance of an all of the above resource portfolio”, stated Shannon Angielski, Executive Director of the Carbon Utilization Research Council. “*The CURC-EPRI Roadmap* embraces this reality while providing a clear pathway to capitalizing investments that will cover the developmental needs for commercializing new technologies.”

“The benefits of investing in the U.S. fossil fleet are clear. Historically, we’ve seen the positive results from such investment. One important example is the development and deployment of SO_2 scrubbing technology, which evolved from a public-private partnership development process. The same type of partnership and investment in innovation will provide us with the next generation of emission reducing technologies. The Roadmap covers today’s as well as the tomorrow’s innovation needs for our fossil fuel fleet,” said Holly Krutka, Vice President of Coal Generation and Emissions Technologies for Peabody and CURC Co-Chair.

“Research, development, and deployment of technologies that enhance the viability of existing and future fossil plants is an important part of EPRI’s work in supporting a diverse energy portfolio,” said EPRI Generation Vice President Tom Alley. “The updated 2018 *Roadmap* will help to provide the industry, stakeholders and public a clear line of sight on a potential path forward.”

Earlier *Roadmaps* were jointly prepared by CURC and EPRI in 2003, 2008, 2012 and 2015. The new *CURC-EPRI Roadmap* can be viewed **here**.

The 2018 Roadmap was released today as CURC completed a successful effort to advance low-carbon fossil energy technologies, including the passage of the 45Q tax credit through S. 1535, the FUTURE Act, and the introduction of bills that align with the Roadmap’s objectives including H.R. 5745, the Fossil Energy Research and Development Act, S. 2602, the “USE IT Act” and S.2803, the “FUEL Act”.

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The Carbon Utilization Research Council (CURC) is an industry coalition focused on technology solutions for the responsible use of our fossil energy resources to support our nation’s need for reliable and affordable energy. For more information, please visit www.curc.net.

The Electric Power Research Institute, Inc. (EPRI, www.epri.com) conducts research and development relating to the generation, delivery and use of electricity for the benefit of the public. An independent, nonprofit organization, EPRI brings together its scientists and engineers as well as experts from academia and industry to help address challenges in electricity, including reliability, efficiency, affordability, health, safety and the environment. EPRI's members represent approximately 90 percent of the electricity generated and delivered in the United States, and international participation extends to more than 30 countries. EPRI's principal offices and laboratories are located in Palo Alto, Calif.; Charlotte, N.C.; Knoxville, Tenn.; and Lenox, Mass.