

# Support for the Hydrogen Infrastructure Initiative

“The Hydrogen Infrastructure Initiative is a bipartisan legislative package that RMI considers an essential addition to US energy policy. The investments target key gaps in US hydrogen policy by enabling needed infrastructure and high value end uses. By prioritizing hydrogen use in trucking, shipping, and industry, this package could not only reduce emissions but also bolster the energy security of critical sectors in the modern global economy.” — **John Coequyt, Director of U.S. Government Affairs, RMI**

“Hydrogen is an essential technology that provides clean fuel and reliable storage opportunities for the energy transition. BPC Action endorses Sens. Coons and Cornyn’s bipartisan Hydrogen Infrastructure Initiative which supports the deployment of end-use and transportation infrastructure for hydrogen – a critical step to enabling our net zero goals. I am pleased to see members of Congress working together to form innovative bipartisan solutions like this one.” — **Michele Stockwell, Executive Director, Bipartisan Policy Center (BPC) Action**

“Fully decarbonizing the hardest-to-abate sectors of the economy, such as heavy transportation and heavy industry, will require a combination of solutions. Zero-carbon fuels, namely hydrogen and ammonia, are likely to play a key role in reducing and eventually eliminating the greenhouse gas emissions from these sectors. The four bills in the Hydrogen Infrastructure Initiative would help fill gaps left by recent legislation and put these key end-use sectors on the path to decarbonization with hydrogen or hydrogen-based fuels. We have more work to do to make sure that hydrogen is produced with minimal greenhouse gas emissions, that it is used in the sectors that are most likely to need it to decarbonize, and that new infrastructure is safe and effective to avoid any harm to communities. Clean Air Task Force looks forward to continued work with Congress on these important issues.” — **Emily Kent, U.S. Director, Zero-Carbon Fuels, Clean Air Task Force**

“As many countries begin to include hydrogen in their decarbonization efforts, a global race to supply clean hydrogen has begun – and America has a tremendous opportunity. Hydrogen has huge potential to connect sectors of the economy to maximize resources in the overall clean energy system. Smart policies like this hydrogen innovation initiative will help deploy necessary infrastructure to accelerate deployment.” — **Rich Powell, CEO, ClearPath Action**

“We’ve run the numbers on what it will take to get the U.S. to net-zero emissions, and a big part of the answer is hydrogen—a ten-fold increase over today’s production, primarily going to heavy transport and industrial uses. While the Bipartisan Infrastructure Law and Inflation Reduction Act will help make hydrogen cleaner and cost-effective, the legislation introduced by Senator Coons and Senator Cornyn will ensure it gets deployed quickly to key sectors of the economy. Recent analysis shows this kind of rapid adoption at home will also help American industries and workers compete for a bigger share of the \$4 trillion global market for low-carbon hydrogen. Third Way applauds the bill sponsors for enabling American leadership in a clean energy future.” — **Ryan Fitzpatrick, Director of Third Way’s Climate and Energy Program**

"The hydrogen and fuel cell industry are extremely grateful for the leadership demonstrated by Senators Coons and Cornyn in promoting these bills to advance the deployment of hydrogen technologies across heavy-duty trucking, ports, and industry, as well as advancing the development of a vital hydrogen pipelines. This is a clear bipartisan recognition that hydrogen will play critical role in driving decarbonization across the country, while also enhancing our economy by creating thousands of good paying jobs and driving private investment here in America." — **Frank Wolak, President and Chief Executive Officer, Fuel Cell and Hydrogen Energy Association (FCHEA)**

"CRES is proud to support the Hydrogen Infrastructure Initiative as a catalyst for American innovation and leadership. With continued support for hydrogen infrastructure, the U.S. industrial and transportation sectors can strengthen local economies, maintain their work to protect our environment, and deliver global carbon emission reductions. Thank you, Senators Cornyn and Coons, for your work to ensure America remains a leader in hydrogen innovation and development." — **Heather Reams, President, Citizens for Responsible Energy Solutions (CRES)**

"Clean hydrogen is a critical solution for addressing the high-temperature heat needs of the industrial sector and replacing carbon-intensive feedstocks and fuels throughout the economy. The Industrial Innovation Initiative supports the introduction of this legislation, which would fund best-use applications in Maritime, Heavy Industry, and Heavy-Duty Trucks, while supporting the infrastructure investments necessary to retrofit, transport, and store this versatile resource. Accelerating the demonstration and deployment of clean hydrogen will help build this nascent economy to the scale necessary to achieve United States emission reduction goals." — **Gabrielle Habeeb, Project Manager, Industrial Innovation Initiative (I<sup>3</sup>)**

"Preparing the market for hydrogen as a route to reduce greenhouse gas emissions will require infrastructure development and support for the more challenging end uses, including for heavy industry, transportation, marine shipping, and ports. The bipartisan Coons-Cornyn Hydrogen Infrastructure Initiative is thoughtful legislation that will help this burgeoning industry overcome these challenges and position the United States as a leader in hydrogen innovation and deployment." — **Ed Rightor, Director, Center for Clean Energy Innovation, Information Technology and Innovation Foundation (ITIF)**

"It is increasingly clear that ambitious climate goals cannot be met without rapid development of a hydrogen economy. Hydrogen's versatility and unique characteristics make it well suited for reducing emissions across a wide range of industrial and transportation subsectors, but an enabling policy environment is needed to fully realize this potential. The Coons-Cornyn Hydrogen Infrastructure Initiative will complement and build on recently passed policies by facilitating investment in infrastructure development and end-use applications that are necessary to take full advantage of hydrogen's immense potential to reduce emissions in hard-to-decarbonize sectors of the economy. The U.S. Chamber is proud to endorse this important bipartisan package and looks forward to supporting its enactment during the 118th Congress." — **Christopher Guith, Senior Vice President, U.S. Chamber of Commerce Global Energy Institute**

"Bloom Energy applauds Senators Coons and Cornyn for their work to advance the hydrogen economy. Hydrogen is critical to decarbonizing heavy industries like marine transport and steel, and clean hydrogen can be made at scale in America to grow our economy and provide energy security." — **KR Sridhar, Founder, Chairman, and Chief Executive Officer, Bloom Energy Inc.**

"Federal investments in demonstrating the unique ability of hydrogen and fuel cells in decarbonizing the hard-to-abate sectors of our economy, such as heavy industry and long-haul transportation, will not only benefit the state but our country. The University of Delaware continues to make impactful contributions to the realization of hydrogen at scale through individual investigator and center-level activities. We are excited by and strongly endorse this legislation." — **Professor Yushan Yan, Henry B. du Pont Chair in Chemical and Biomolecular Engineering at the University of Delaware and Director for the University of Delaware's Center for Clean Hydrogen**

"On behalf of our more than 20,000 U.S. employees, Air Liquide thanks Senators Coons and Cornyn for their commitment to a robust, domestic hydrogen market and their introduction of the Hydrogen Infrastructure Initiative. This legislative package provides support for advancing hydrogen technology and applications in some of the country's most critical sectors, like industry, trucking and port operations – all of which play a significant role in the Houston, and greater Texas, economy, where Air Liquide is headquartered. The legislation also supports the advanced research and development necessary to remain an energy leader into the future, including key technologies developed by Air Liquide at our Innovation Campus in Delaware. The Hydrogen Infrastructure Initiative will further support the regional development of hydrogen across the U.S. and empower regions to utilize their unique natural resources to advance local energy transition initiatives. By leveraging hydrogen's versatility, the Hydrogen Infrastructure Initiative will encourage the adoption of hydrogen technologies in traditionally hard-to-abate sectors where hydrogen offers an efficient and effective path to decarbonization now. As a leader in the hydrogen market for 60 years, this Initiative will also advance Air Liquide's ability to develop key hydrogen technologies, help create high paying jobs, and lower the CO<sub>2</sub> emissions across many sectors." — **Michael J. Graff, Chairman & Chief Executive Officer, American Air Liquide Holdings, Inc.**

"Both Congress and the President recognize that hydrogen is vital to the present and future of energy, and The Chemours Company is proud to play a central role in making hydrogen energy possible. Our ion exchange membranes are at the heart of the hydrogen economy, and as the U.S. government plans for historic investments in hydrogen, Chemours will continue to make our own investments to meet a rapidly growing market for clean hydrogen. To unleash the full benefit of these public and private investments, we need two things—permits to ensure that new facilities can come online and the necessary infrastructure to deliver hydrogen where it is most needed. Senator Coons has again stepped forward with legislation that will lead the U.S. to a cleaner future, while also boosting American manufacturing and helping achieve U.S. energy independence. Chemours applauds Senator Coons and Senator Cornyn for partnering on bipartisan legislation that will create a framework for building out infrastructure for the hydrogen economy. We are excited to continue working with Senator Coons, Senator Cornyn, and other members of our delegation to make a lower carbon future a reality." — **Mark Newman, President and Chief Executive Officer, The Chemours Company**

"AltaSea applauds Senators Coons and Cornyn for introducing the Hydrogen Infrastructure Initiative. This package of bipartisan legislation would support hydrogen adoption where it's most needed as a decarbonization solution – applications like ships, heavy-duty vehicles, and industrial processes. Policies like these will help drive demand for hydrogen and ensure it can be delivered from where it is produced to where it is used. California is an early adopter of hydrogen technologies, and the Hydrogen Infrastructure Initiative will help spur similar adoption all over the country." — **Terry Tamminen, President and Chief Executive Officer, AltaSea at the Port of Los Angeles, and former Secretary of the California EPA for Governor Arnold Schwarzenegger**

“The Clean Hydrogen Future Coalition (CHFC) commends Senators Coons and Cornyn on the reintroduction of their Hydrogen Infrastructure Initiative legislative package. Each bill included in the Initiative would support the deployment of clean hydrogen by providing federal support to address cost barriers and commercial risks faced by first-mover hydrogen projects in the industrial, transportation, and maritime sectors and would enable the growth of critical hydrogen infrastructure.

The CHFC is committed to supporting federal policies that enable the full value chain of clean hydrogen, including production, storage, transport, and end-use. When combined with existing production incentives like the 45V clean hydrogen production tax credit, the Hydrogen Infrastructure Initiative has the power to stimulate the transport and end use of clean hydrogen in diverse market applications.

The CHFC applauds Senators Coons and Cornyn for their continued support of hydrogen’s role as a climate mitigation tool. We look forward to working with them to ensure that these proposals are enacted to support the clean hydrogen value chain and that they recognize the contributions of skilled labor as part of the clean energy transition.” — **Brian Hlavinka, Chairman, Clean Hydrogen Future Coalition and Vice President of New Energy Ventures, Williams**

“Cummins is encouraged by the bipartisan Hydrogen Infrastructure Initiative. Our customers need solutions that are readily available and economically viable to continue powering the world. We applaud Senators Coons and Cornyn on the Hydrogen Infrastructure Initiative, which supports the demonstration and deployment of hydrogen technologies to meet decarbonization goals and add jobs.” — **Amy Davis, President, Cummins New Power Business**

"We appreciate the leadership of Senator Coons and Senator Cornyn in advancing the “Hydrogen Infrastructure Initiative” – a package of legislation that supports the deployment of hydrogen in hard-to-decarbonize sectors, including heavy on-road transportation. As a global leader in zero-emission transportation and energy supply and infrastructure solutions, Nikola is successfully integrating a revolutionary new product, the hydrogen fuel cell truck, and the full hydrogen energy infrastructure supply chain. With HYLA, our recently launched energy brand encompassing the company’s energy products for producing, distributing, and dispensing hydrogen to fuel heavy commercial hydrogen trucks, Nikola is laying the foundation to spur the future of hydrogen trucking and fueling infrastructure across the country with our innovative solutions. Nikola especially appreciates the critical role that the *Hydrogen for Trucks Act* will play to transform the trucking sector by accelerating the market adoption and commercialization of hydrogen fuel cell trucks, including the Nikola Tre FCEV, and the deployment of hydrogen fueling infrastructure to support them across the country. We look forward to working with both senators and other stakeholders to ensure a level-playing field for hydrogen trucking technology and moving the needle on behalf of the full value chain to support the advancement of a national hydrogen economy." — **Carey Mendes, President, Energy, Nikola Corporation**

“LanzaTech Global, Inc. ‘LanzaTech’ supports this bipartisan legislation to spur clean hydrogen production and use to reduce the greenhouse gas footprint of multiple sectors. As an innovative U.S.-based Carbon Capture and Transformation company, we are excited about the opportunity to use clean hydrogen in our gas fermentation process to drive further carbon reductions.” — **Tom Dower, Vice President, Public Policy, LanzaTech**

“Hydrogen is a practical and implementable solution that can help revolutionize the way we power our planet: decarbonizing heavy industry and creating jobs in America and globally. The Coons-Cornyn Hydrogen Infrastructure Initiative will go a long way to assisting with the expansion of hydrogen technologies in the United States and will help fast track the adaptation of its use across heavy industry. Fortescue Future Industries thanks Coons and Cornyn for their leadership in this space and we look forward to continuing to support their bipartisan efforts to expand the green hydrogen market.” — **Andy Vesey, Chief Executive Officer, North America Fortescue Future Industries**

“The Hydrogen Infrastructure Initiative, introduced by Senators Coons and Cornyn, is a valuable step in moving us toward a clean transportation future while growing jobs and increasing energy security. Goods movement is the fastest growing sector of transportation, but at great cost to urban air quality and the climate. The *Hydrogen for Trucks Act* will aide in reducing pollution from the trucking industry while providing opportunity for economic development. CALSTART’s ZETI tool and HVIP vehicle catalogue show that commercially available hydrogen fuel cell truck models are already on the market and ready to be deployed. CALSTART looks forward to working with Congress to advance this important legislation.” — **Jes Olson, Vice President of Policy, CALSTART**

“Air Products applauds Senators Coons and Cornyn on the re-introduction of the bipartisan Hydrogen Infrastructure Initiative. Air Products is working to address the world’s need for clean energy and materials while reducing environmental impacts. Hydrogen is key to meeting these challenges, and our hydrogen solutions cover the entire value chain in the transportation and industrial sectors. This legislation is an important step toward building the support, demonstration, and adoption of hydrogen technologies and building critical infrastructure needed to achieve a clean U.S. hydrogen and energy economy.” — **Eric Guter, Vice President, Hydrogen for Mobility, Air Products**

“Transitioning to a hydrogen economy will be key to decarbonization and building the policy framework needed to achieve such a transition is a critical step. A balanced approach that incentivizes not just production but also demand for clean hydrogen will facilitate our transition and we thank Senator Coons and Senator Cornyn for taking a comprehensive, bipartisan view of what is needed as we pursue a more sustainable economy.” — **Neil Beup, Vice President, Global Public Affairs, Linde**

“ENGIE applauds Senators Chris Coons (D-DE) and John Cornyn (R-TX) for the reintroduction of the Hydrogen Infrastructure Initiative. This practical bipartisan legislation will help integrate the use of high-energy, low-emission hydrogen into energy-intensive sectors, including shipping and industrial manufacturing. This package of bills is a practical and achievable way to begin to seriously reduce emissions from hard-to-abate industries and decarbonize our economy through this game-changing energy resource. We thank the Senators for their continued leadership on this issue.” — **Dave Carroll, Chief Renewables Officer, ENGIE North America**

“Building a clean hydrogen economy at scale in the United States will require public and private sector collaboration, innovation, and support across the entire hydrogen value chain. The proposals included in the Coons-Cornyn Hydrogen Infrastructure Initiative will spur critical demand for low-carbon hydrogen through demonstration and adoption of technologies in key end-uses across the economy. We commend Senators Coons and Cornyn for their bipartisan leadership in cosponsoring and reintroducing this important legislation.” — **Allyson Anderson Book, Chief Sustainability Officer, Baker Hughes**

"We applaud the work being done by Senators Coons and Cornyn to accelerate the buildout of the American hydrogen economy – including for 100% off-grid, zero-carbon, zero-methane green hydrogen to tackle the most challenging and hard to abate industrial applications. The opportunities for hydrogen as a resilient 24/7 clean energy source and long duration energy storage are truly unparalleled and this investment in nationwide resilient energy infrastructure will ensure this growing clean energy industry can deploy and commercialize at the scale required. Strategically positioned for scale and expansive market reach in Mississippi and beyond, Hy Stor Energy stands ready to build its green hydrogen development and meet the growing need for energy security and for the clean energy economy both across the United States and abroad." — **Laura L. Luce, Chief Executive Officer, Hy Stor Energy**

"PDC Machines' leadership believes the Coons-Cornyn Hydrogen Infrastructure Initiative is a critical piece of legislation to move our country closer to hydrogen parity with other countries. The HII, already endorsed by Fuel Cell and Hydrogen Energy Association, seeks to address multiple areas of hydrogen development for the United States: maritime, heavy industry, and supporting infrastructure. This bill will facilitate the green jobs of tomorrow, while at the same time bringing hydrogen technologies to the forefront of use cases that ultimately will enable broader energy parity for hydrogen among other energy carriers." — **Kareem Afzal, Chief Executive Officer, PDC Machines**

"We commend Senators Coons and Cornyn for their leadership on hydrogen policy and their dedication to increasing sources of domestic energy. Ørsted is proud to support the *Hydrogen for Trucks Act of 2023* and *Hydrogen for Industry Act of 2023*, which we believe will advance the decarbonization of these hard-to-abate sectors. Hydrogen production offers an opportunity to create more jobs for American workers while strengthening our nation's energy security. This legislation will drive new innovation and deployment of hydrogen as a reliable energy solution." — **Melissa Peterson, Head of P2X Americas, Ørsted**

"Ports are ideal spaces to invest in hydrogen and ammonia infrastructure, since investments there will make fuel available for marine, rail, and truck applications. The *Hydrogen for Ports Act* will make innovative energy projects around the country possible, mitigating emissions and opening up new opportunities for jobs and economic growth. The American Association of Port Authorities is grateful that Congress has recognized the importance of the maritime industry and is excited to work with the bill's sponsors to create a robust hydrogen industry in America." — **Chris Connor, President and Chief Executive Officer, American Association of Port Authorities (AAPA)**

"The Port of Seattle, Port of Tacoma, and Northwest Seaport Alliance have made a voluntary commitment to reduce our port related emissions for both shipping and cruise operations to zero by 2050. To achieve this goal, we need a wide variety of clean energy alternatives which is likely to include clean hydrogen and hydrogen-derived fuels. Ports will be significant centers of activity for hydrogen end uses on both land and water. We appreciate Senators Coons and Cornyn for introducing the *Hydrogen for Ports Act* which will support the development of hydrogen infrastructure for maritime fuels and provide much needed funding to deploy hydrogen powered equipment and vehicles that serve port functions." — **Sam Cho, Commission President for the Port of Seattle and Co-Chair for The Northwest Seaport Alliance**

“In the transition to a zero-emissions future, the Port of Long Beach has steadily increased its electricity consumption. Use of hydrogen would provide zero-emissions power for a wider range of equipment without straining the grid, thus shoring up the Port’s energy resiliency. The *Hydrogen for Ports Act* will provide much needed funding to incentivize hydrogen to support cleaner, more resilient maritime operations. The Port is also committed to a zero-emissions future for truck transportation, and hydrogen fuel-cell vehicles can help us reach that goal. However, zero-emissions trucks cost hundreds of thousands of dollars more than diesel vehicles. Incentives, such as those proposed by the *Hydrogen for Trucks Act*, will stimulate commercialization and deployment of these vehicles so that communities such as ours can breathe cleaner air. We commend Sens. Coons and Cornyn for bringing this legislation forward.” — **Mario Cordero, Executive Director, Port of Long Beach**

“GenCell Energy, a developer of innovative hydrogen and ammonia to power solutions based on alkaline fuel cell technologies, is extremely pleased to see the Senate’s efforts to pass the *Hydrogen Ports Act* driving the use of hydrogen and ammonia-fueled equipment at ports, which have the skilled workers, logistics and infrastructure, familiarity with materials and materials handling and use cases to best leverage these technologies. Facing hydrogen fueling cost and complexity in the short-term, the market needs a more economical, available and energy-dense hydrogen source; to this end our patented ammonia cracker extracts hydrogen-on-demand. Thus, a tank of low-pressure, low-temperature, safe liquid ammonia can be placed adjacent to the fuel cells and the ammonia cracker to release hydrogen for efficient, affordable, minimal-maintenance and continuous off-grid power generation at ports and other similar locations. The *Hydrogen for Ports Act* can also advance the use of hydrogen and ammonia to fuel EV charging solutions at ports, both maintaining battery charge of EVs in the process of being imported as well as supplying power for other mobile machinery and even vessels at port in need of power boost.” — **Rami Reshef, co-founder and Chief Executive Officer, GenCell Energy**

“The *Hydrogen for Trucks Act* provides a valuable tool to jump-start the transition to zero-emission, hydrogen-powered commercial transportation. By providing reasonable incentives to the acquisition of hydrogen-powered trucks and hydrogen fuel dispensing stations, the Act will enable the trucking industry to take its first important steps.” — **Laurence Cox, Vice President of Sustainability, PGT Trucking Inc.**

"The Portland Cement Association, which represents the majority of America’s cement manufacturers, supports Senator Coons’ *Hydrogen for Industry Act*, as it could help expedite the cement industry’s pursuit of carbon neutrality. The legislation would bolster the cement industry’s research efforts to utilize lower carbon fuels, like hydrogen, in the cement-making process, which would result in fewer carbon emissions released into the atmosphere. We appreciate the Senator’s continuing efforts to assist manufacturers in reducing their carbon footprint, while resulting in a more sustainable world." — **Sean O’Neill, Senior Vice President, Government Affairs, Portland Cement Association**