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Your Partner in the Clean Energy Economy

MASSACHUSETTS CLEAN ENERGY DAY

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DRIVING THE CLEAN ENERGY TRANSITION: A GREEN RECOVERY

The Northeast Clean Energy Council ("NECEC") is dedicated to growing the clean energy economy in Massachusetts and across the region, in pursuit of our mission to lead the just, equitable, and rapid transition to a clean energy future and diverse climate economy. Last year, Massachusetts took a major step by enacting the Next Generation Roadmap bill, which charts the path for climate commitments from today through to 2050; however, now we must take the steps to ensure we meet these ambitious climate commitments.

2022 presents itself to be an important year for the Commonwealth with significant federal funding available. As the legislative session nears its end, Massachusetts has the opportunity to ensure that the state's economy builds back better and people from all backgrounds are put to work in the clean energy sector. But we must act quickly. A vibrant clean energy industry will bring investment, equity, and jobs to our commonwealth and ensure that citizens, businesses, and industries can take advantage of the benefits of clean energy. NECEC and its members stand ready to work with the General Assembly and the Baker Administration to achieve a cleaner, cheaper, resilient, and equitable energy future for Massachusetts.

We are pleased to support the following 2022 policy priorities:

NECEC'S 2022 MASSACHUSETTS CLEAN ENERGY POLICY PRIORITIES

Accelerate the Decarbonization of Electric Supply, Transportation, and Heating Sectors

Although the electric sector has made the most progress on decarbonization efforts, the progress is not sufficient to ensure we meet our 2050 commitments. And, as we begin to increasingly decarbonize and electrify our transportation, heating, and buildings sectors, clean electricity becomes ever more important. Thus, we support a commitment to 100% clean electricity by 2030 and 100% clean transportation and heating by 2045. These sector-specific commitments will provide a more detailed vision for decarbonization in the Commonwealth and are crucial to keep our economy-wide trajectory to net-zero by 2050.

Support with amendments: **S.2136** and **H.3288**, to transition to 100% clean electricity by 2030 and 100% clean transportation and heating by 2045.

Center Equity and Environmental Justice

We are pleased that the Next Generation Roadmap bill included the Environmental Justice language supported by EJ advocates. We need to build upon this language to ensure that equity, Environmental Justice, and Energy Justice are woven into each of our policies. Considering the totality of the impact of each of the supported bills and how those can be enhanced to improve equitable outcomes will ensure that our transition to a clean energy economy benefits all communities. Clean energy can produce tangible benefits for Environmental Justice communities, including jobs, health benefits, and local economic investment.

Support: **S.2842, Section 76** and **H.2230,** to expand air quality monitoring in pollution hotspots, and sets ambitious air quality targets for 2030 and 2035;

Support: **S.2135** and **H.3336,** to integrate environmental justice, public health, and climate considerations into energy facility siting and adds an indigenous representative and environmental justice representative to the EFSB.

Drive the Commonwealth's Innovation Leadership

With its rich talent, institutions of higher learning, and entrepreneurial spirit, Massachusetts has a huge advantage when it comes to driving the next chapter of clean energy innovation, in energy storage, renewables, building technology and more. However, fully realizing the Commonwealth's potential requires abiding commitment from the public sector. The Massachusetts Clean Energy Center is the lynchpin in accelerating private sector innovation and bringing public resources and partnership to bear. We must secure MassCEC's continued strength and flexibility to ensure that the Commonwealth's leadership and competitive advantage continues.

Support H.4524, Sections 9, with amendments, and 13-14 and S.2842, Sections 9 and 67 to solidify the role of the Massachusetts Clean Energy Center in driving climate and clean energy innovation and market development, including the creation of a natural gas System Benefits Charge;

Support: H.4720, Line Item 1599-2078 and **H.4204** to allocate $750 million in clean energy funding to MassCEC.

Pave the way to local power as part of a clean and resilient electric grid

Distributed energy resources – solar, energy storage, energy efficiency, demand response, fuel cells, and more – are remaking the way we produce, consume, and store electricity, and reshaping the relationship between customers and the grid. For these resources to flourish, contribute to the transformation to a clean, and resilient grid, and to be accessible to all, it is critical that Massachusetts takes policy action to remove serious impediments to progress, such as widespread interconnection challenges and increasing pressures on siting and land use. It is also important to have policies and programs that encourage the deployment of clean energy locally. Action is also needed to build upon the provisions of the Next Generation Roadmap bill to close the net metering loophole for small projects and ensure public projects are granted the same treatment as private projects. The Legislature must also begin planning for the future successor of the SMART solar program.

Support: S.2180 and **HD.3075**, to establish future solar programs that deliver benefits to all customer populations and achieve our clean energy and climate targets;

Support: H.3313 to codify interconnection standards to ensure reasonable costs and timelines for utilities to interconnect distributed resources;

Support: S.2842, Sections 44-45 and **H.3319**, to ensure net metering policies evolve with customer needs, restore the RPS Alternative Compliance Payment and incentivize net-zero houses;

Support: **H.2164** to expedite and modernize the solar and energy storage permitting process;

Support: **S.2134** and **H.3283**, to eliminate arbitrary geographic barriers, reducing project development costs and providing everyone in Massachusetts equal access to community solar;

Support: **H.3344** to eliminate the $1,000 cap for the state solar income tax credit.

The Legislature should also monitor the implementation of the **SMART solar program, DG Interconnection, Land Use, Grid Modernization efforts**, and the **Clean Peak Standard**. In part due to increasing complexity, the industry has seen increasing challenges in these programs and processes, which risks impeding development and delaying our progress towards meeting climate commitments.

Bolster Commitments to Large-Scale Renewable and Energy Storage Procurement

Decarbonizing the electric sector can bring economic opportunity for Massachusetts' clean energy companies and its workers. Solidifying the commitments to procuring clean resources will ensure industry confidence and cultivate greater competition for quality projects and bids over both the near and long-term. Moreover, with neighboring states going forth with substantial procurements, Massachusetts must double down on its efforts to maintain its status as a leader in offshore wind and other large-scale resources. Large-scale renewables are poised to deliver a wide array of benefits, ranging from cost reductions and winter reliability to in-state and in-region jobs and port infrastructure upgrades. It is critical that Massachusetts sustain a stable allotment of programs and policies that encourages the deployment of clean energy locally. NECEC encourages the Legislature to prioritize in-state renewable development, which will allow for local economic development and emissions benefits, while also supporting partnerships with other New England states on large-scale onshore wind and solar procurements where doing so is cost effective and efficient.

Support: **H.4524, Sections 19-22, and 26 and S.2842, Sections 50 and 68** to redouble our commitment to offshore wind, relax the offshore wind price cap, and authorize a long-duration energy storage procurement.

Capitalize on Near-Term Clean Transportation Opportunities

The transportation sector is the largest GHG emitter in the state. We must begin implementing ways to achieve cost-effective emissions reductions while at the same time leading the transition to a clean transportation future. Massachusetts can do this by advancing policies and programs that drive the adoption of zero-emission vehicles (ZEVs) and other modes of clean transportation. Clean transportation policies for Massachusetts can energize the economy, creating new jobs and a new sector of the clean economy, improve public health, reduce carbon emissions, and improve the aging and inefficient transportation system. Supporting the adoption of ZEVs in private and public fleets, including actions to reduce the cost of vehicle ownership, facilitate the deployment of charging infrastructure, promote smart charging to improve the efficiency of the electric grid, and educate consumers and automobile dealers about available clean transportation options are a few are two near-term opportunities.

Support: S.1832 and **H.3044,** to provide a sales tax exemption for Zero Emission Vehicles;

Support: S.2139 and **H.3255,** to transition public fleets to electric vehicles and Lead by Example;

Support: S.2151 and **H.3347,** to advance EV priorities, including low-income EV rebates, MOR-EV rebates, and more.

Commit to Addressing Building Emissions

Energy efficiency remains the most cost-effective option for reducing emissions. Increased focus on electrification elevates the importance of energy efficiency and continued need to evolve the programs to tackle hard-to-reach segments and to promote innovative technologies to benefit the Commonwealth. Relatedly, building sector emissions that fall outside the purview of energy efficiency must be reduced by electrification of heating and cooling systems, including promoting new technologies and strategies, such as heat pumps, geothermal energy, HVAC load reduction (HLR), low-carbon materials, fuel cells, induction stoves and more. Federal funding opportunities are here and Massachusetts can capitalize on these chances by beginning to work now on the types of investments, such as weatherization, that federal funding could help achieve. We encourage the Legislature to monitor the implementation of the net-zero building codes required by the Climate Roadmap Bill passed earlier this year to ensure timely adoption and implementation.

Support: SD.3010 and **H.4849,** to create guidelines requiring the procurement and use of low embodied carbon concrete in state procurements.

Support Workforce Development for Massachusetts Residents

Energy efficiency and clean energy projects create good, well-paying jobs that translate to fulfilling careers for Massachusetts residents. As Massachusetts' clean energy industry recovers and grows after COVID-19, an experienced and trained workforce will be needed. The need for workforce development initiatives cannot be stressed enough, especially with efforts to encourage electrification and the acknowledgement that underserved communities will be needing additional programs to ensure full participation in the clean energy economy.

Support: H.4720, Line Item 1599-2078 to allocate $750 million in clean energy funding to MassCEC;

Support: H.4524, Section 8 to create a clean energy equity workforce and market development program.

For more information about NECEC's 2022 Massachusetts Clean Energy Priorities, contact:

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- Jeremy McDiarmid, Vice President, Policy and Government Affairs; jmcdiarmid@necec.org, (617) 429-0677
- Sean Burke, Policy Manager; sburke@necec.org, (978) 846-0269
- Greg Ohadoma, Policy Associate; gohadoma@necec.org, (203) 981-3209

MEMBER BIOS

Abundant Housing Massachusetts - Kassie Infante
Abundant Housing Massachusetts stands up for abundant housing for all in communities across the Commonwealth. Abundant Housing Massachusetts drives policy at the state and local level by identifying pro-housing changemakers, building the power of local organizers, and connecting a statewide network. They advocate for more housing near transit and jobs, robust tenant protections to prevent displacement, reform of exclusionary zoning rules, sustainable development practices and communities, and robust funding of social and subsidized housing.

Bloom Energy - Jordan Garfinkle, Maryette Haggerty Perrault
Bloom Energy's mission is to make clean, reliable, and affordable energy for everyone in the world. To fulfill this mission, Bloom has developed a distributed, on-site electric power solution that is redefining the electric power market and transforming how power is generated and delivered. Bloom's Energy Server Platform is a stationary power generation platform built for the digital age and capable of delivering highly reliable, uninterrupted, 24x7 constant power that is also clean and sustainable. Among the most efficient energy generators on the planet; Bloom's platform dramatically reduces electricity costs and greenhouse gas emissions.

BlueWave - Liz Curran, Kaitlin Hollinger
BlueWave is on a mission to revolutionize energy with simple, powerful solutions. As a pioneering solar and energy storage developer, BlueWave has developed and sold more than 155 MW of solar projects to date. As built, these projects collectively generate enough solar energy to avoid roughly 119,490 metric tons of carbon emissions annually. A certified B Corp, BlueWave Solar has received national recognition for its work to protect the planet, including Excellence in Clean Energy Leadership from the Annual Awards in Business Excellence from American Association of Blacks in Energy (AABE), being named the Clean Energy Company of the Year in 2018 by the Northeast Clean Energy Council, one of the top 100 Impact Companies in the United States for each of the last four years as rated by Real Leaders Magazine, and a leading growth company by Inc. Magazine and the Boston Business Journal.

Catalyze - Kate Daniel
Catalyze is a leading clean energy transition company that develops, builds, owns and operates solar, battery storage and electric vehicle (EV) charging systems for commercial and industrial customers. Using advanced technology and financial solutions, Catalyze is able to reduce partners' costs, increase net operating income, and simplify resource management while helping to advance businesses' ESG goals and enhance growth strategies. Their approach to integrating smart energy resources with existing infrastructure benefits tenants, electric utilities, and local communities.

Clearway - Dan Hendrick
Clearway Energy Group is accelerating the world's transformation to a clean energy future. Built for 21st century energy markets, Clearway is focused on providing customers with the power they need and the customer experience they deserve. With assets across 28 states, more than 500 employees and the capacity to power about 2.7 million homes, Clearway is bringing reliable and clean power to market.

Form Energy - Nina Peluso
Form Energy was founded by energy storage veterans who came together in 2017 with a unified mission to reshape the global electric system. The team at Form Energy is deeply motivated and inspired to create a better world. Form Energy is developing a new class of cost-effective, multi-day energy storage systems that will enable a reliable and fully-renewable electric grid year-round. Form's pioneering battery technology will entirely reshape the global electric system and give it new form.

Galehead Development, LLC - Lucas Faria, Cameron Knowles
Galehead Development is a market and project mobilization platform for cost-effective clean energy resources. Galehead Development is originating and managing solar pipeline throughout the U.S. using its unique combination of siting analytics, agile development and commitment to meaningful stakeholder relationships.

ML Strategies, LLC - David O'Connor
From Beacon Hill to Capitol Hill, ML Strategies delivers superior government relations and consulting services. With deep knowledge in a range of issues including energy, transportation, health care, financial services, real estate, education, and telecommunications, ML Strategies' senior-level professionals in Boston and Washington, DC use their extensive experience to build creative, informed, and strategic solutions that meet the goals of its clients.

Lodestar Energy - Jaime Smith, Jeffrey Macel
Lodestar is a developer of commercial and public sector DG and small utility-scale solar projects. Lodestar focuses on both organic origination and acquisition and has a proven track record of developing and financing over 100 projects. Lodestar has an unwavering commitment to building pipelines. The company's regulatory and policy knowledge allows it to anticipate markets and programs.

PathZERO Energy, Inc. - Douglas Denny-Brown
PathZERO Energy has deep experience that can help its customers achieve lower cost, clean, and independent energy. This expertise allows PathZERO Energy to bring an integrated set of services to small and large businesses that helps make energy management easy, create cost savings and resiliency through microgrids, and meet corporate sustainability plans and goals.

PowerOptions, Inc. - Julia Damiano, Awa Sane-Darboe
PowerOptions is a nonprofit energy buying consortium that delivers cost savings and predictability to nonprofits and the public sector in Massachusetts, Connecticut and Rhode Island. With more than 450 members, its collective strength yields optimal pricing and stability for its entire membership of organizations both large and small. PowerOptions is a trusted advisor and resource responsible for managing the complexities of energy purchasing on behalf of our members. PowerOptions procures the most competitive energy contracts with the nation's leading energy suppliers, bringing value and security to members through all of our energy platforms. PowerOptions is mission-driven with a primary focus on cost and reliability, always concentrating on our members' needs.

Riverbend Advisors - Michael Greis
Riverbend Advisors promotes the mainstreaming of sustainable investing. Their work includes advocacy, outreach, education, and business and product development consulting for investment management firms.

Solar Design Associates - Haskell Werlin
Solar Design Associates offers engineering and design services that creatively integrate renewable energy systems into buildings and utility infrastructure in New England, nationwide, and around the world.

Sunpower - Noam Bar-Zemer
SunPower believes clean energy and backup storage should be accessible to everybody. That's why SunPower designs all-in-one residential and commercial solar and storage solutions backed by personal customer service and the industry's most comprehensive warranty.

Sunrun - Kyle Wallace
Sunrun is the nation's leading residential solar, storage, and energy services company. Founded in 2007, Sunrun now has over 630,000 customers and over 8,000 employees in 23 states, the District of Columbia, and Puerto Rico. As part of Sunrun's commitment to expanding access to clean, affordable, and resilient energy to everyone, we have supported over 425 multifamily solar projects which benefit more than 35,000 tenants.

Sustainability Roundtable Inc. - James Boyle
Sustainability Roundtable Inc. (SR Inc) is a leader in environmental, social, and governance (ESG) program assistance. For more than a decade, SR Inc has provided membership-based, Strategic Advisory & Support Services to help management teams set goals, drive progress, and report results as they lead their organizations to greater sustainability. SR Inc's assistance helps growing companies set strategic direction that is aligned with their corporate purpose.

Swift Current Energy - William Havemeyer
Swift Current Energy acquires, develops, constructs, owns and operates highly competitive, utility-scale wind, solar and energy storage projects across the United States. Founded in 2016, Swift Current has commercialized more than 1.1 gigawatts (GW) of utility-scale renewable energy projects. With a growing pipeline of more than 6 GW of wind, solar and energy storage projects under development, Swift Current is focused on bringing low-cost clean energy and meaningful economic development to communities across North America.

Tesla - Zachary Kahn
Tesla's mission is to accelerate the world's transition to sustainable energy through increasingly affordable electric vehicles in addition to renewable energy generation and storage. California-based Tesla is committed to having the best-in-class in safety, performance, and reliability in all Tesla cars. There are currently over 275,000 Model S, Model X and Model 3 vehicles on the road worldwide

Utilidata Inc. - Lauren Randall
Utilidata is an industry leading energy technology company that is digitizing the grid-edge to unleash the full potential of clean energy by bringing real-time software solutions and machine-learning to the next-generation of smart meters. By creating visibility to the edge of the grid and optimizing grid operations, they are making it possible for consumers and communities to maximize their investments in clean energy.

Zero-Point Development - Greg Hunt
Zero-Point's mission is to provide the highest quality engineering techniques, financial and management skills to deliver renewable power solutions for a wide range of customers spanning multiple industries and geographies. Since its founding in 2013, Zero-Point has become one of the largest active solar developers in Massachusetts. With more than 175 MW (DC) of generation installed and in progress, Zero-Point goes above and beyond requirements to ensure that its customers receive the most reliable, cost-effective system(s) on the market.

NECEC'S POLICY TEAM

Joseph A. Curtatone is the President of NECEC. Joe Curtatone is the President of NECEC. Before stepping into the role of NECEC President, Joseph A. Curtatone forged a reputation for being one of the most innovative mayors in the United States as the nine-term Mayor of Somerville, MA. That includes Somervile being named one of only 95 cities in the world to make the CDP Cities A-List for climate planning and action. He also spearheaded a comprehensive net-zero action plan for his city with a strong focus on equity. During his tenure, Curtatone embraced data-driven decision making, employed systems-based solutions to community issues and was an innovator in healthy city initiatives. He has forged regional coalitions to tackle issues around transportation, housing and COVID-19 pandemic response. He also worked to establish Somerville as a leader in climate technology, recruiting Greentown Labs to the city, where it has been steadily growing since 2013. Thanks to his pursuit of cutting edge industries, Somerville saw its workforce increase by more than 40% during his tenure as the city became the home to billions of dollars of new economic activity. He is a graduate of the Harvard Kennedy School, the New England School of Law and Boston College. A father of four, Curtatone also has been a longtime high school and youth sports coach.

Jeremy McDiarmid is NECEC Vice President, Policy & Government Affairs. Jeremy McDiarmid is NECEC Vice President, Policy & Government Affairs and leads NECEC's policy and government affairs team. Prior to joining NECEC, he served as Commercial Business Development Manager at SunBug Solar. Before joining SunBug, Jeremy advised Acadia Center on organizational and operational priorities, having previously spent six years there as a Staff Attorney and then Massachusetts Director. He also served three years as Senior Director for Innovation and Industry Support at the Massachusetts Clean Energy Center, where he led and executed programs to advance clean energy development within the Commonwealth. jmcdiarmid@necec.org.

Sean Burke is NECEC's Policy Manager. Sean Burke is NECEC's Policy Manager. He works on NECEC's policy team on a wide range of issues. Prior to joining NECEC, Sean was the Senior Policy Analyst at PowerOptions, where he advocated on members' behalf at the regulatory and legislative level. Sean has also interned for Senator Elizabeth Warren in constituent services. Sean holds a bachelor's degree in government from St. Lawrence University. sburke@necec.org

Dan Bosley is NECEC's Government Relations Executive. Dan Bosley is NECEC's Government Relations Executive. He served in the Massachusetts Legislature for 24 years as the State Representative from the First Berkshire District. During his time as State Representative, he served in several leadership positions, including chair of the Joint Committee on Energy and as a member of the conference committee on budgeting. He is credited with several job creation bills creating thousands of jobs across the Commonwealth as well as being the co-author of a groundbreaking life science bill and electricity restructuring in Massachusetts.

Greg Ohadoma is NECEC's Policy Associate. Greg Ohadoma is NECEC's Policy Associate. He works on NECEC's policy team on a wide range of state, regional and federal issues. Prior to joining NECEC, Greg worked as an Administrative Assistant with RISE Engineering and before that a Program Associate for Green Energy Consumers Alliance. While at Green Energy Consumers Alliance, Greg educated the public on the organization and its advocacy goals and also coordinated a groundbreaking "green community electricity choice" program in Rhode Island set to increase renewable energy adoption in municipalities within Rhode Island. Greg has also interned for Senator Sheldon Whitehouse and the Rhode Island Office of Energy Resources. Greg holds a bachelor's degree in Environmental Natural Resource Economics from the University of Rhode Island and co-authored the Rhode Island Guide to Going Solar. Reach Greg at gohadoma@necec.org