

2021

NEMA by the Numbers

7 Major Markets



Building Systems



Industrial Products & Systems



Lighting Systems



Transportation Systems



Utility Products & Systems



Medical Imaging

1 NEMA Represents

- More than **325** electrical equipment and medical imaging manufacturers
- Safe, reliable, and efficient products and systems in seven sectors
- **370,000+** American jobs in more than **6,100** facilities
- **\$130** billion electrical and medical imaging shipments per year
- **\$38** billion in total electrical and medical imaging exports

2 3 Ways NEMA Drives Growth

- Standards development & technical expertise
- Business intelligence & analysis
- Advocacy at all levels of government

3 NEMA Membership

- We represent a full spectrum of companies, small, medium, and large
 - » Members and/or facilities are in all **50** states, Canada, and Mexico
- In 2021, **24** new Member companies joined our ranks
- NEMA Members' tenure averages **15** years
- Convene neutral forums for manufacturers to discuss industry-wide issues
- Foster Member collaboration to improve the production and manufacturing of products, to enlarge distribution, promote innovation, and increase the efficiency and safety of electrical and medical imaging products

4 Strategic Initiatives

- Five projects to help Members anticipate, prepare, and respond to industry challenges
 - » Created analytical and communications products about the holistic benefits of electrified systems and how Member products are differentiated from others
 - » Helped Members assess supply chain risks arising from the COVID-19 pandemic
 - » Published a report that provides tactics and strategies for deploying artificial intelligence by smart building managers and equipment vendors
 - » Published a document on best practices and recommendations to help Members understand how to oversee their internal workforce transitions to the post COVID19 environment
 - » Helped Members explore legal options to reduce liability exposure



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5 Standards Development & Technical Expertise

- More than **1,000** documents in Technical Library, including **241** original documents published this year
- **181,000** document downloads
- Expanded requirements for Members' equipment in eight different building codes—including the *National Electrical Code*® and International Energy Conservation Code—to save lives, reduce fires, conserve energy, and improve resilience and reliability
- Held **94** technical training sessions (virtual and in-person) totaling more than **165** hours of content and reaching more than **5,450** participants on Members' products, code compliance, electrical safety and disaster resilience for an audience of building officials, inspectors, and electricians
- Responded to **15** land-falling storms and tracked **35** named storms in total, including Hurricane Ida that caused **\$50** billion in damages, ensuring that emergency management officials, power companies, and electrical workers had the technical resources required to rebuild stronger and smarter
 - » Expanded natural disaster recovery response effort in Mexico following Hurricane Nora, ensuring local officials had access to free NEMA Spanish-translated guidance documents to improve safety and resilience
- Expanded Council participation by **34** percent, including the Materials Management Council, Rail Electrification Council, Solar PV Council, Cybersecurity Council, and **10** others; find out more and sign up at nema.org/councils



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6 Advocacy

- The U.S. Senate passed the *Infrastructure Investment and Jobs Act* containing hundreds of billions of dollars in spending for a wide variety of programs that will upgrade America's energy infrastructure, including water, electric transmission & distribution grid resilience, smart manufacturing, as well as transportation infrastructures such as ports, electric vehicles, vehicle communications, and more
- Stopped **55** harmful legislative proposals on various issues important to the electroindustry
- Secured **\$50** million in House appropriations bills for lighting, transformers, and extended product systems
- Submitted **82** advocacy letters to various legislatures and regulatory agencies and **11** formal NEMA letters to Congress and Cabinet Secretaries
- Received **\$298,358** award from International Trade Administration to support NEMA Member participation in the international Standards process
- Launched **24** automated policy trackers that provide Members with real-time information on bills and regulations of concern
- Convened more than **80** meetings with congressional and regulatory staff to present industry policy recommendations



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7 Business Intelligence

- Managed **68** ongoing data collection programs with more than **100** companies participating in at least one program, providing Members with detailed market data not available from any other source
- Published **408** monthly, quarterly, and annual market data reports within **14** days from the end of the collection period, offering data participants decision-quality business intelligence to make informed strategic decisions
- Conducted meetings and activities for **10** Section Statistical Committees
- Published three dozen product shipment and macroeconomic forecasts
- Developed three new macroeconomic scenarios for the post-lockdown economy
- Posted over **2,500** Intelligence Digest Articles
- Featured more than **300** staff authored analyses
- Conducted **6** Member surveys on topics ranging from international standardization to vaccination policy and Member satisfaction
- Held nearly a dozen virtual economic updates with Member senior executives and NEMA Sections



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8 Medical Imaging

- Published new and revised Standards on personal protective equipment, medical device servicing, and cybersecurity
- Published white paper on considerations for regulators and manufacturers in implementing transition periods between different versions of Standards
- Secured language in the House 2022 Appropriations report that encourages the Veterans Administration to adopt the use of focused ultrasound technologies on patients
- Defeated **29** "right to repair" bills in the 2021 state legislative sessions
- Launched Patients Deserve Safe Servicing website to highlight the need for oversight and accountability in servicing medical devices
- Introduced the "Facilitating Innovative Nuclear Diagnostics" (FIND) Act, providing separate reimbursement for certain PET radiopharmaceuticals in the Medicare hospital outpatient setting
- Hosted virtual fly-in with patient and physician groups in support of the FIND Act
- Secured a radiopharmaceutical and contrast exemption from the drug waste "pay-fors" in the infrastructure package
- Updated DICOM website with four new supplements to DICOM Standard
- Added new DICOM Working Group to extend the Standard for clinical image management and transfer with support for photoacoustic imaging



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9 Electrical Safety Foundation International Successes

- Created **6** new workplace safety and **2** consumer safety resources in 2021
- **1,953** media placements during National Electrical Safety Month and **7,467** overall media placements including in the *Wall Street Journal*, *Family Handyman*, and *AAA Magazine*
- More than **1.42** million social media impressions
- Compiled **16** years of safety data from 2003 to 2019, tracking trends in workplace electrical injuries and fatalities
- Published workplace safety white paper
- Received award from the Institute of Electrical and Electronics Engineers
- Led four workplace safety webinars



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B2B Reach

- **2.9** million web and social views
- **76,000** opt-in subscribers to *electroindustry* and *eiXtra*
- **6.5K** *electroindustry* magazine app views
- **1,000+** participants in **20** educational and technical webinars



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