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Broadway Electrical and Partners Bandgap Engineering and Fraunhofer USA Announce Award for Nanowire Solar Technology Testing

Boston, MA – May 24, 2013 – Broadway Electrical, a leading full service electricalconstruction company based in Dorchester, announced that its partnership with Bandgap Engineering and Fraunhofer USA had been awarded an 'InnovateMass' grant by the Massachusetts Clean Energy Center (MassCEC) to field-test new nanowire solar technology being developed by Bandgap. This field testing of the new nanowire solar cell modules is an important step toward commercialization of this new technology, which represents the next generation of more efficient solar panels.

"Broadway is excited to be part of the field testing of this promising new technology," said Jonathan Wienslaw, President of Broadway Electrical Co. Inc. "We appreciate the leadership of the Massachusetts Clean Energy Center in making these important technology demonstration investments as part of growing the clean energy business sector in the Commonwealth. All three of the businesses in our partnership are Massachusetts companies."

Broadway Electrical will be providing a test site for the modules, as well as installing, operating, and maintaining them during the test period. The modules will be fabricated by Fraunhofer USA at their new Center for Sustainable Energy Systems in Boston, from solar cells developed by Woburn-based Bandgap. "We are very pleased to have partnered with Broadway and Fraunhofer on this project," said Dr. Marcie Black, Co-founder and Chief Technology Officer at Bandgap. "And we applaud MassCEC's commitment to supporting local cleantech enterprises on the path to commercialization."

Nanowire solar cell technology is being developed by Bandgap because it promises higher efficiency while using existing manufacturing lines. The demonstration project in Boston is expected to provide important data for analyzing the performance of the modules under actual environmental conditions – an important step toward development of a commercial product.

"We are delighted to be able to offer support at this critical point in development of this promising technology," said Alicia Barton, CEO of MassCEC. "These new ideas

and technologies will get their first real-world testing right here in Massachusetts, making the Commonwealth a staging ground for innovation once again."

About Fraunhofer CSE
The Fraunhofer Center for Sustainable Energy Systems (CSE) is a not-for-profit applied R&D laboratory dedicated to the commercialization of technologies for a sustainable energy future. CSE engages in collaborative research with private companies, government entities, and academic institutions, and works with emerging sustainable energy startups to help develop their technologies, bridging the gap from laboratory to production.

In 2013, CSE moved into a state-of-the-art facility in the Boston Seaport District. The new facility – known as the Building Technology Showcase – is a living laboratory for R&D of advanced building technologies and houses CSE's advanced laboratories for building energy efficiency, solar photovoltaics, and distributed electrical energy systems as well as the TechBridge early-stage commercialization program. Fraunhofer CSE is a subsidiary of Fraunhofer USA, a 501 (c) (3) non-profit contract R&D organization, affiliated with Fraunhofer Gesellschaft, Europe's largest contract R&D group.

About Bandgap Engineering
Bandgap Engineering, Inc. is pioneering the development of highly tunable, low-cost methods for nanostructuring silicon and is applying this technology to high efficiency silicon based solar cells and high capacity lithium ion batteries.

Founded in 2007, privately held Bandgap Engineering develops silicon nanowire solutions to make renewable power more efficient, less material-intensive, and more cost-effective than conventional power. Bandgap's nanowire solar cell designs combine low-cost processing with crystalline silicon to yield high-efficiency products. Their tunable silicon nanowires make these designs possible, helping to make solar power cost-competitive with conventional grid power. Bandgap is also developing silicon nanowires for high-capacity LiIon battery anodes. For more information about Bandgap Engineering, please visit: www.bandgap.com

About Broadway Electrical Co.
Broadway Electrical Company, Inc. is a leading full service electrical construction company, headquartered in Boston, MA. Founded in 1936, Broadway is one of the Northeast's largest electrical contractors. Broadway's track record for delivering construction excellence spans
major commercial, educational, health care, biotechnology, industrial, power and government projects. With over 55 MW of solar installation projects in operation or under construction, Broadway is also one of the largest solar developers in the New England.

Broadway provides complete turnkey renewable energy solutions, including engineering, procurement, construction, and financing/power purchase agreements, as well as a 24/7 solar operations and maintenance service division. For more information on Broadway Electrical Company, Inc. please visit: http://www.broadelec.com/