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*Solar Junction's Commercial-Ready CPV Cell Achieves 41.4% Efficiency, Confirms NREL*

*Only CPV cell supplier to advance to post-selection due diligence in DOE Loan Guarantee Program*

SAN JOSE, Calif., February 15, 2011 — Solar Junction, a developer of high efficiency multi-junction cells for the concentrated photovoltaic (CPV) market, today announced another swift leap forward in cell efficiency. Just one month after achieving 40.9 percent efficiency, the Company has now reached 41.4 percent on a production cell; both milestones have been validated by the National Renewable Energy Laboratory (NREL). The significance of the advancement belies the speed at which the Company is hitting efficiency milestones for a standard commercial-ready production cell, moving the industry beyond champion cell gains. Concurrently, the Company is on a short list of finalists chosen for post-selection due diligence within the Department of Energy's (DOE) Loan Guarantee Program (LGP). The grant would support the commissioning of Solar Junction's high-volume, 250-MW capacity manufacturing facility co-located with its headquarters in San Jose, California. Solar Junction expects to begin shipping commercial cells this year.

"As the debate over PV versus CPV continues, we contend that with double the efficiency of traditional photovoltaics, the CPV sector is entering a high-growth period," said Jim Weldon, CEO of Solar Junction. "These recent NREL results reflect our continued commitment to efficiency gains and validate the advantages of our A-SLAM™ technology for the CPV sector."

Solar Junction's cell, which incorporates the proprietary adjustable spectrum lattice-matched, A-SLAM™, technology, accelerates the multi-junction cell annual efficiency increase in a customer-integrable and commercial form factor. The company's cells deliver market-leading

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efficiency both in a 5.5 mm x 5.5 mm aperture area form factor, the dominant cell for CPV module manufacturers, as well as in a variety of other larger and smaller sizes.

The LGP post-selection due diligence comes a year after Solar Junction announced receiving a PV Incubator contract from the DOE. The efficiency gains of its solar cells relate to the work as part of the Incubator subcontract with NREL. Once the LGP post-selection due diligence process is complete, Solar Junction will ramp its in-house manufacturing capacity to meet the needs of CPV module manufacturers.

### **About Solar Junction**

Solar Junction is a manufacturer of high efficiency III-V multi-junction solar cells based on lattice-matched 1eV materials. The Company is dedicated to providing the industry's highest efficiency solar cells to enable CPV as a cost effective energy solution. Founded in 2007, Solar Junction is headquartered in San Jose, California. Investors include New Enterprise Associates, Draper Fisher Jurvetson and Advanced Technology Ventures. For more information, please visit [www.sj-solar.com](http://www.sj-solar.com)