



## **Day4 Energy's Solar Technology Breakthrough Moves Towards 25% Reduction in Solar Electricity Costs**

*Next-Generation Day4 Technology Leads to 19% Efficient PV Cells at Lower Cost*

**Burnaby, BC – July 30, 2008** - Day4 Energy Inc. (TSX: DFE), a leading manufacturer of high performance, cost-effective solar electric modules, announced today that it has achieved a major breakthrough in its R&D program focused on the design and development of high performance solar cells. After months of intensive research and experimental trials, the company has developed a design and manufacturing process for its Generation II solar cells with efficiency up to 19 percent on mono-crystalline and 18 percent on multi-crystalline silicon materials. The new design constitutes a significant improvement not only in maximum efficiency but also in low cost manufacturing and lower commercialization risk.

The application of the Generation II photovoltaic (PV) cell technology for multi-crystalline products is particularly important because of the material's lower price point and the company's secured cell supply. The Generation II technology was designed to be fully compatible with Day4 Energy's existing manufacturing equipment, enabling rapid deployment and scale-up. The technology further leverages existing solar cell manufacturing infrastructure as well as certain processing techniques widely deployed in other industries. The company expects that a combination of the technology and manufacturing process will reduce production costs by up to 25 percent of what is currently possible with conventional technology.

"Our first generation 14.7 percent efficiency Day4 MC module, which has been in commercial production since 2006, already places us among the industry's highest performing multi-crystalline products," said Professor Leonid Rubin, chief technology officer of Day4 Energy. "With the second generation of our proprietary solar cell designs we are taking a major step towards making solar energy cost competitive with conventional sources of electrical power generation."

"I am truly proud of our research team. A combination of high performance technology with low cost and manufacturing scalability represents a very significant achievement in reducing the kilowatt-hour costs of solar electricity" adds Dr. John MacDonald, chairman and CEO of Day4 Energy. "Performance at this level using less costly multi-crystalline material cannot be achieved without employing the Day4 Electrode technology."

Day4 Energy expects to fast track commercial scale-up of its high performance PV cell technology over the next 18 months and is currently in discussions with a number of partners in respect to this process. The company has also recently filed a patent application in connection with this invention.

### **About Day4 Energy:**

Headquartered near Vancouver, British Columbia, Day4 Energy Inc. (TSX: DFE) designs, manufactures and sells photovoltaic (PV) modules based on its patented Day4 Electrode technology, a proprietary method of contacting and interconnecting solar cells that produces PV panels of high power density, increased lifetime and uncompromised aesthetic appearance. Day4 Energy partners with the industry's leading PV cell producers to deliver IEC- and UL-certified commercial and residential solar products to customers throughout Europe, North America and Asia. [www.day4energy.com](http://www.day4energy.com)

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#### Caution Regarding Forward-Looking Statements

This news release contains forward-looking statements that relate to our current expectations and views of future events. These forward-looking statements include, among other things, statements relating to our expectations regarding our revenues, expenses, cash flows, operating performance and future profitability; our progression towards our goal of positive EBITDA; our targeting of break-even EBITDA by the fourth quarter of 2008; our plans for and timing of expanding our manufacturing capacity; and our ability to meet demand for future contracted deliveries.

The forward-looking statements contained in this news release are based on assumptions, which include, but are not limited to, our ability to expand our annual PV module manufacturing capacity; our ability to secure raw materials at acceptable prices and qualities; our ability to achieve increased PV cell and PV module efficiencies; our ability to expand our existing product line; our ability to attract customers and develop and maintain customer and supplier relationships; our ability to diversify our suppliers; our ability to effectively manage foreign exchange risks; our ability to protect our intellectual property rights and to not infringe on the intellectual property rights of third parties; and our ability to comply with applicable governmental regulations and standards going forward.

Such forward-looking statements are subject to risks, uncertainties and other factors, including those listed in our Annual Information Form filed with Canadian securities regulatory authorities, many of which are beyond our control and each of which contributes to the possibility that our forward-looking statements will not occur or that actual results, performance or achievements may differ materially from those expressed or implied by such statements. These risks, uncertainties and other factors include, but are not limited to, the impact of general economic, market or business conditions; our limited operating history; the current industry-wide shortage of high-purity silicon; risks relating to the protection of our intellectual property and intellectual property infringement claims by third parties; our dependence on a limited number of PV cell suppliers; government subsidies and economic incentives for PV power could be reduced or eliminated; we may be unable to achieve higher PV module efficiencies; our dependence on a limited number of customers and our lack of long-term purchase contracts; demand for PV modules; technological changes in the PV power industry could render our products uncompetitive or obsolete; unexpected warranty expenses; fluctuations in exchange rates; product liability claims; compliance with environmental regulations; and other factors, many of which are beyond our control.

The forward-looking statements made in this news release relate only to events or information as of the date indicated above. Except as required by law, we undertake no obligation to update or revise publicly any forward-looking statements, whether as a result of new information, future events or otherwise, after the date on which the statements are made or to reflect the occurrence of unanticipated events.