



Silex

SYSTEMS LIMITED A.C.N. 003 372 067

Lucas Heights
Science & Technology Centre
New Illawarra Road
Lucas Heights NSW 2234 Australia
PO Box 75
Menai Central NSW 2234
Tel: (02) 9532 1331
Fax: (02) 9532 1332
www.silex.com.au

MARKET UPDATE

Global Laser Enrichment (GLE) - NRC License Mandatory Hearing

5th July 2012

Silex Systems Limited ("Silex") (ASX: SLX) previously advised (ASX announcement dated 1 March 2012) that the US Nuclear Regulatory Commission ("NRC") had scheduled a mandatory public hearing by the NRC Atomic Safety and Licensing Board ("ASLB") to be held during July, 2012. That hearing is a precursor to the ASLB making a decision about an application from General Electric-Hitachi Global Laser Enrichment LLC ("GLE") for a license to construct and operate a commercial SILEX Laser Uranium Enrichment Plant at Wilmington, North Carolina.

Silex further advised that NRC staff had concluded in their final Safety Evaluation Report and Environmental Impact Statement that the descriptions provided by GLE provided an adequate basis for safety and safeguards of facility operations and that operation of the facility would not pose an undue risk to worker and public health, and safety.

Silex has now been informed that additional information relating to this hearing has been posted by the NRC on its website in the form of presentations and associated documentation. These presentations can be found at nrc.gov (Search Reference Nos. NRC112 – 116 and ML12177A349).

The NRC's presentations do not represent an approval of the proposed license. The presentations and associated documents are standard procedural steps in preparation for the said mandatory public hearing. Silex has now been informed the hearing will take place during 11 – 13 July 2012.

Following this hearing, the ASLB will finalise its recommendations and submission to the NRC. The ASLB is expected to make its decision regarding GLE's commercial facility license application by 31 August 2012. If the ASLB finds in favor of the action, the NRC staff will issue the license shortly thereafter.

Subject to the NRC granting a combined Construction and Operating License for the commercial enrichment facility proposed for Wilmington, Silex and GLE will hold further discussions about potential commercialisation. Silex will provide a further market update in due course.



SilexSolar
Australian Clean Energy



Further Information

Further information on the Company's activities can be found on the Silex website: www.silex.com.au or by contacting the persons listed below.

Contacts: Michael Goldsworthy or Julie Ducie on + 61 2 9532 1331

Media: Alan Jury or David Akers (FTI Consulting) on +61 2 8298 6100

Forward Looking Statements and Business Risks:

Silex Systems is a research and development Company whose assets are its proprietary rights in various technologies, including, but not limited to, the SILEX technology, the SilexSolar technology and business, Solar Systems technology and business, Translucent technology and ChronoLogic technology. Several of the Company's technologies are in the development stage and have not been commercially deployed, and therefore are high-risk. Accordingly, the statements in this announcement regarding the future of the Company's technologies and commercial prospects are forward looking and actual results could be materially different from those expressed or implied by such forward looking statements as a result of various risk factors.

Some risk factors that could affect future results and commercial prospects include, but are not limited to: results from the SILEX uranium enrichment development program and the stable isotopes program; the demand for enriched materials including uranium, silicon, oxygen, carbon and others; the business risks associated with SilexSolar's activities; the risks associated with the development of Solar Systems technology and related marketing activities; the outcomes of the Company's interests in the development of various semiconductor, photonics and alternative energy technologies; the time taken to develop various technologies; the development of competing technologies; the potential for third party claims against the Company's ownership of Intellectual Property associated with its numerous technologies; the potential impact of government regulations or policies; and the outcomes of various commercialisation strategies undertaken by the Company.