

NCPV Hotline — Week of December 17-21 2007

Weekly News Items

Some of the following news items are available as Adobe Acrobat PDFs. [Download Adobe Reader](#).

The National Center for Photovoltaics (NCPV), the National Renewable Energy Laboratory's (NREL's) center for PV research maintains an international communications system called the NCPV Hotline. The Hotline increases knowledge and awareness of PV industry and research happenings. Hotline participants receive important news items via email related to PV activities around the world. The contents have been relatively uncensored, because we depend on the good judgment of the contributors to separate fact from rumor.

(Links may expire)

Current and archived NCPV Hotline issues <link to http://www.nrel.gov/pv/news_hotline.html>

Disclaimer <link to http://www.nrel.gov/pv/hotline/news_hotline_disclaimer.html>

Subscribe/Unsubscribe: Email name, organization, and e-mail address to [Carol Riordan](mailto:Carol_Riordan@nrel.gov) <mailto:Carol_Riordan@nrel.gov> at NREL

NOTE: The NCPV Hotline will be off line for the Holidays, beginning December 24, through January 1.

12-17-07 SonnenEnergy's Solar Park

SonnenEnergy Corporation broke ground on the first phase of a 10-acre solar power park in Hausen, Germany called "Solar Park Hausen". Story at Solarbuzz:

<http://www.solarbuzz.com/news/NewsEUPR416.htm>

12-17-07 EMCORE CPV Order / Agreement with DI Semicon

EMCORE Corporation has received a purchase order to supply 5.7 MW of EMCORE's concentrating photovoltaic systems for projects in South Korea, along with a letter of intent for follow-on projects of 14.3 MW, expected to be released in the next 6 months. EMCORE also signed an agreement with DI Semicon in Seoul, Korea regarding the formation of a joint venture among DI Semicon, EMCORE and other parties, which will manufacture CPV systems in Korea for EMCORE.

Story at Solarbuzz: <http://www.solarbuzz.com/News/NewsASPR170.htm>

EMCORE: <http://www.emcore.com/>

DI Semicon: <http://www.disemi.co.kr/>

12-17-07 Amtech Systems Orders

Amtech Systems, Inc. has received an additional \$8.9M in orders for processing systems from the solar-cell industry. Press at: http://biz.yahoo.com/ap/071217/amtech_systems_contracts.html?.v=1 or

<http://tinyurl.com/3att33>

Amtech Systems, Inc.: <http://www.amtechsystems.com/>

12-17-07 More on SAS-ARISE Deal

Sino-American Silicon Products landed a 3-year silicon wafer contract from ARISE Technologies. Story at DigiTimes:

<http://www.digitimes.com/NewsShow/NewsSearch.asp?DocID=PD0000000000000000000000004034&query=SOLAR> or <http://tinyurl.com/33dpna>

SAS: <http://www.saswafer.com/>

ARISE Technologies: <http://www.arisetech.com/>

12-17-07 Isofoton North American Headquarters

According to this press, Isofoton is interested in establishing its North American headquarters in Ohio. Story at: <http://www.cleveland.com/business/plaindealer/index.ssf?/base/business-4/119771212321310.xml&coll=2>

or <http://tinyurl.com/35fmr5>

Isofoton: <http://www.isofoton.com/>

12-17-07 Spanish Module Manufacturer Investment

Demeter Partners and Clave Mayor invested EUR7.5M in the EURENER company, which specializes in the manufacture and marketing, particularly through a franchised network, of PV panel companies. Story at Solarbuzz: <http://www.solarbuzz.com/news/NewsEU486.htm>

Demeter: <http://www.demeter-partners.com/>

Clave Mayor: <http://www.clavemayor.com/quienessomos/origenes/index.php>

EURENER: <http://www.eurener.com/>

12-17-07 China Sunergy Production Results

China Sunergy Co., Ltd. announced that the company has achieved very encouraging initial results during commercial production of its selective emitter cells.

Press at: http://www.ecoreporter.de/index.php?action=.,159_n23232

<http://www.chinasunergy.com/en/index.php>

12-17-07 More on China Sunergy Co. Agreement with Asola

China Sunergy Co. Ltd. has entered into an agreement to supply Asola Advanced and Automotive Solar System GmbH with 10.2 MW of solar cells in 2008. Press at CCN Money:

<http://money.cnn.com/news/newsfeeds/articles/newstex/AFX-0013-21672754.htm> or

<http://tinyurl.com/2g9vjw>

China Sunergy: <http://www.chinasunergy.com/en/index.php>

12-17-07 Design for REC Plant

C.P. Moller has been elected to design the world's largest solar cell factory by REC. See "Danish architects to design solar cell plant for EUR 3 billion in Singapore" at: <http://www.copcap.com/composite-10885.htm>

REC: <http://www.recgroup.com/>

12-17-07 EPV SOLAR Module Supply Agreement with unlimited energy GmbH

EPV SOLAR, Inc. announced that it has entered into a long-term solar module supply agreement with unlimited energy GmbH, Berlin, Germany. Under the contract, EPV SOLAR will supply 306 MW of amorphous silicon modules to unlimited energy for use in the development and build-out of several solar parks in Europe. Press at: http://biz.yahoo.com/cnw/071217/nj_epv_solar_unlimtd.html?.v=1

EPV SOLAR: <http://www.epv.net/>

unlimited energy GmbH: <http://www.u-energy.de/>

12-17-07 Ascent Solar Production Facility

Ascent Solar Technologies, Inc. announced the successful and on-time delivery and installation of all equipment required to complete the integration of its 1.5MW production facility. Testing, integration, and qualification of the new manufacturing line are set to begin in January. Press at:

<http://biz.yahoo.com/bw/071217/20071217005146.html?.v=1>

Ascent Solar: <http://www.ascentsolar.com/>

12-17-07 Robert McConnell at Amonix as Director of Government Affairs & Contracts

[Bob McConnell]

Bob McConnell, formerly with the National Renewable Energy Laboratory in Golden, Colorado, has joined Amonix Inc. in Torrance, California as Director of Government Affairs & Contracts. He can be emailed at bob@amonix.com or telephoned at 310-325-8091 or his mobile at 303-385-7276. Bob recently retired from NREL after 29 years where he managed many contracts and research programs at universities and companies working on future generation photovoltaic concepts, including concentrator photovoltaic technologies.

Amonix: <http://www.amonix.com/>

12-17-07 First Solar EVP and General Council

First Solar, Inc. announced that John Gaffney will join the company as its Executive Vice President and General Counsel effective 15 January. Story at RenewableEnergyAccess:

<http://www.renewableenergyaccess.com/rea/partner/story?id=50884> or <http://tinyurl.com/2q7phw>

First Solar: <http://www.firstsolar.com/>

12-17-07 SunEdison's PV Plant, Colorado

SunEdison activated its 8.22-MW PV solar plant, with the plant generating power for Xcel Energy two weeks ahead of schedule. Story at: http://biz.yahoo.com/ap/071217/co_xcel_solar.html?.v=1
SunEdison: <http://www.sunedison.com/>

12-17-07 More on Nellis AFB Solar Project

The U.S. Air Force is celebrating the completion of a 14-MW solar energy system at Nellis Air Force Base – a joint project of the Air Force, MMA Renewable Ventures, LLC, SunPower Corporation, and Nevada Power Company. Xantrex supplied all of the inverters. Story and photo at Solarbuzz:

<http://www.solarbuzz.com/News/NewsNAPR968.htm>

SunPower: <http://www.sunpowercorp.com/>

MMA Renewable Ventures: <http://www.mmarenewableventures.com/>

Xantrex: <http://www.renewableenergyaccess.com/rea/partner/story?id=50899> or <http://tinyurl.com/gzqz4>
<http://www.xantrex.com/>

Additional press: <http://www.enn.com/pollution/article/27562>

12-17-07 SPG Solar System, California

MCA Architecture Planning Interiors, Payroll Masters and vanderToolen Associates, in partnership with SPG Solar, Inc. announced the completion of a 69-kW roof-mounted PV system at their headquarters in Napa.

Story at RenewableEnergyAccess: <http://www.renewableenergyaccess.com/rea/partner/story?id=50901> or <http://tinyurl.com/357vla>

SPG Solar: <http://www.spgsolar.com/>

12-17-07 Solar Power in Vacaville, California

A new 1-MW solar facility at Alza Corp. in Vacaville has boosted the amount of solar power generated in the city to 3 MW. Story at: http://www.timesheraldonline.com/todaysnews/ci_7737813

12-17-07 More on REC Solar PV System for Costco, Hawaii

The Lihu'e Costco is going solar. For coverage of the installation by REC Solar, see the story at:

<http://www.kauaiworld.com/articles/2007/12/16/news/news02.txt>

REC Solar: <http://www.recsolar.com/>

12-17-07 UL Solar Tech Testing Lab

According to this press, Underwriters Laboratories Inc. has chosen Silicon Valley for its first solar photovoltaics lab. The testing and certification corporation aims for it to be the largest commercial laboratory for PV testing and for certification in the U.S. Press at:

http://www.bizjournals.com/sanjose/stories/2007/12/17/story11.html?ana=from_rss or

<http://tinyurl.com/3ahbbp>

UL: <http://www.ul.com/dge/photovoltaics/>

Silicon Valley Leadership Group: <http://www.svlq.net/>

12-17-07 EPIA Global Solar PV Market [Marie LaTour]

The European Photovoltaic Industry Association presented its first 2007 market estimates and short-term projects for market and production. Press Release at: <http://www.epia.org/index.php?id=29>

EPIA: <http://www.epia.org/>

12-17-07 Silicon Supply

See the story "Sands shift as solar energy's silicon demand outshines that of chipmakers" at Times Online:

http://business.timesonline.co.uk/tol/business/industry_sectors/industrials/article3060046.ece or

<http://tinyurl.com/2zdng5>

12-17-07 Silicon Wafer Reuse

See "The hidden life of silicon" with coverage of techniques developed at IBM's Essex Junction facility to reuse silicon wafers. Story at:

<http://www.burlingtonfreepress.com/apps/pbcs.dll/article?AID=/20071217/BUSINESS/712170301> or

<http://tinyurl.com/23zzr9>

12-17-07 Heslin Rothenberg Farley & Mesiti P.C. Clean Energy Patent Growth Index

The Clean Energy Patent Growth Index provides an indication of the trend of innovative activity in the Clean Energy sector in the last 5 years in the U.S., along with presenting quarterly results. Story at RenewableEnergyAccess: <http://www.renewableenergyaccess.com/rea/partner/story?id=50869> or <http://tinyurl.com/32kq4m>
http://www.hrfmlaw.com/practice_groups/practice_group.cfm?ID=25 or <http://tinyurl.com/3d3c86>

12-17-07 Solar Deals

See the story "Solar continues to take in cash" with coverage of 9 deals completed recently, at Cleantech™: <http://media.cleantech.com/2194/solar-continues-to-take-in-cash>
See "Funding Roundup: Green Giving Keeps Going" at Greentech Media: <http://www.greentechmedia.com/articles/funding-roundup-green-giving-keeps-going-400.html> or <http://tinyurl.com/yrzag5>

12-17-07 Solar in Iran

According to this press, Iran plans to build the biggest mid Mid East solar power plant. Story at: <http://www.isna.ir/Main/NewsView.aspx?ID=News-1053347&Lang=E>

12-17-07 Israeli and Palestinian Solar Power Projects

Israeli and Palestinian officials said their governments could consider working together on solar power projects. Story at: <http://www.pr-inside.com/israel-palestinians-say-joint-solar-power-r352382.htm> or <http://tinyurl.com/2ol9g5>

12-17-07 NASA Solar Maps

NASA has located the world's sunniest spots by studying maps compiled by U.S. and European satellites. See "Mapping a path to solar power" at: <http://www.latimes.com/business/la-ft-climate17dec17,1,3852822.story?coll=la-headlines-business> or <http://tinyurl.com/2j2zbp>

12-17-07 Solar Training

A comprehensive business training program and technical conference is being offered through a partnership between the American Solar Energy Society and Conergy, Inc. The event will be co-located with the ASES SOLAR 2008 national solar energy conference 3-10 May in San Diego. Information on the Training Event, 7-8 May, at RenewableEnergyAccess: <http://www.renewableenergyaccess.com/rea/partner/story?id=50887> or <http://tinyurl.com/3433u2>
Conergy and SOLAR 2008 Solar Business Training: http://www.conergy.us/desktopdefault.aspx/tabid-472/824_read-8579/ or <http://tinyurl.com/362vy2>
SOLAR 2008: <http://www.ases.org/solar2008/>
ASES: <http://www.ases.org/>

12-17-07 NABCEP Application Deadline

The next NABCEP Solar PV and Solar Thermal Installer Certification Exams will be held 15 March. Applications must be received by January 11. Information at: <http://www.renewableenergyaccess.com/rea/partner/story?id=50900> or <http://tinyurl.com/38x419>
NABCEP: <http://www.nabcep.org/>

12-17-07 FY 2008 Appropriations – Omnibus Bill

The House and Senate are taking up an Omnibus Appropriations bill this week, with the current Continuing Resolution extending to 21 December. The FY 2008 budget request in the Omnibus bill for Solar Energy is \$170M, with \$138M identified for PV energy systems, \$30M for concentrating solar power, and \$2M for solar heating and lighting. A total of \$189M is identified for Congressionally directed projects, which include solar projects, in Energy Efficiency and Renewable Energy.

12-17-07 Defense Bill Renewables

The Conference report for the Defense Bill includes a provision that would require the Army, Navy and other branches of the armed forces to use wind, solar and other renewable forms of energy to meet at least 25% of their electricity needs by 2025.

In related solar news...

12-17-07 Solar Thermal Projects, Spain

See "Pure Solar Power in Sun-Drenched Southern Spain – With Help from ABB's System 800xa" with coverage of the Andasol 1 and 2 solar energy plants at:

<http://www.chemicalonline.com/content/news/article.asp?docid=c8d61b76-4a0c-4578-8a1e-b25999175363&atc~c=771+s=773+r=001+l=a> or <http://tinyurl.com/2kseyc>

ABB: <http://www.abb.com/product/us/9AAC115756.aspx>

12-17-07 "Beam Down" Solar Tower Technology

Masdar, Abu Dhabi's hub for future clean energy solutions, and Japan's Cosmo Oil Co. signed a contract with the Tokyo Institute of Technology to research and develop solar tower "beam down" technology. Press at: <http://www.ameinfo.com/142208.html>

12-18-07 CentroSolar Supply Contract with TSK

CentroSolar Group AG won a major contract to supply PV modules. The order, with a total value of more than €25 million, was placed by TSK, one of Spain's biggest project developers in the energy sector. More at Solarbuzz: <http://www.solarbuzz.com/News/NewsEUOCO488.htm>

CentroSolar: <http://www.centrosolar.com/>

TSK: http://tsk.es/en/interior9_27_9.html

12-18-07 Green Energy Technology Expansion

Green Energy Technology secured an NT\$3.5 billion (US\$107.31M) syndicated bank loan to fund its expansion, but has called off its plan to list on the Taiwan Stock Exchange. Press at DigiTimes:

<http://www.digitimes.com/NewsShow/NewsSearch.asp?DocID=PD000000000000000000000000004043&query=SOLAR>. or <http://tinyurl.com/2qcan4>

<http://www.getinc.com.tw/>

12-18-07 Nanosolar Solar Panel Shipments

Nanosolar announced that it has begun shipping its innovative solar panels. Press at:

<http://biz.yahoo.com/nytimes/071218/1194727730887.html?.v=6> and

http://www.news.com/8301-11128_3-9835241-54.html?part=rss&subj=news&tag=2547-1_3-0-20 or

<http://tinyurl.com/2fwfsh>

See the press at Nanosolar, "Nanosolar Ships First Panels" at: <http://blog.nanosolar.com/>

<http://www.nanosolar.com/about.htm>

12-18-07 Solar EnerTech Sales Contract with Sky Solar

Solar EnerTech Corp. announced that it has entered into a sales contract with Sky Solar (Hong Kong)

International Co., Ltd. to distribute solar modules. Story at: <http://biz.yahoo.com/iw/071218/0341187.html>

Solar EnerTech Corp: <http://www.solarenertech.com/>

Sky Global / Sky Solar (Hong Kong) International: <http://www.sky-global.com/>

<http://www.sky-global.com/en/quienes/quienes.php>

12-18-07 JA Solar Holdings Solar Wafers Deal with ReneSola

JA Solar Holdings signed another deal with ReneSolar Ltd. to increase its supply of solar wafers 10-fold over the next 5 years. Press at: http://biz.yahoo.com/ap/071218/ja_solar_supply.html?.v=1

<http://malaysia.news.yahoo.com/rtrs/20071218/tbs-renesola-trading-7318940.html> or

<http://tinyurl.com/3yz5f3>

JA Solar Holdings: <http://www.jasolar.com/Web/>

ReneSolar: <http://www.renesola.com/>

12-18-07 Dyesol Manufacturing Facilities

Dyesol has signed a "heads of agreement" to relocate its manufacturing facilities to increase capacity by up to 10-fold by the 2nd quarter of 2008. Dyesol press at: <http://tinyurl.com/3yf4pt>

Dyesol: <http://www.dyesol.com/index.php?page=Home>

12-18-07 Semiconductor Policy, India

Three companies have applied for incentives under the semiconductor policy, which was announced by the government 3 months ago. Story at: <http://www.siliconindia.com/shownews/38249>

12-18-07 Spire's Solar Capital Equipment Representative in Germany and Surrounding Countries

Spire Corporation announced it has selected Electronic Production Partners GmbH as its representative in Germany. EPP will also represent Spire exclusively in Austria, Switzerland, and the Benelux countries with non-exclusive coverage in Eastern Europe and beyond. Press at Spire: <http://phx.corporate-ir.net/phoenix.zhtml?c=76421&p=irol-newsArticle&ID=1088236&highlight> or <http://tinyurl.com/26bxus>

12-18-07 More on SunEdison PV Plant, Colorado

SunEdison announced that the 8.22-MW Alamosa PV solar plant has been activated, ahead of its scheduled completion date. Story and photo at Solarbuzz: <http://www.solarbuzz.com/News/NewsNAPR969.htm>
SunEdison: <http://www.sunedison.com/>

12-18-07 Sustainable Energy Inverters for Spanish PV Project

Sustainable Energy Technologies Ltd. marked a significant milestone with the official inauguration and commissioning of a 6-MW solar tracker project by Solaer S.L., near La Motilla del Palancar in the Spanish Province of Castille la Mancha. Press at: <http://biz.yahoo.com/ccn/071218/200712180432703001.html?v=1>
Sustainable Energy Technologies: <http://www.sustainableenergy.com/>
Solaer: <http://www.solaer.net/>

12-18-07 More on G24i R&D Agreement with Cardiff University

See "Solar-tech signs University deal" at BusinessInWales: <http://icwales.icnetwork.co.uk/business-in-wales/business-news/2007/12/18/solar-tech-signs-university-deal-91466-20262567/> or <http://tinyurl.com/yphg5d>
G24i: <http://www.g24i.com/>

12-18-07 Black Rock Solar Program, Nevada

At a ribbon cutting ceremony, the Burning Man community-supported nonprofit called Black Rock Solar plans to unveil its plan for bringing no- or low-cost solar power to public institutions in Nevada and beyond. More at CNetNews: http://www.news.com/Burning-Man-backs-solar-power-project-for-Nevada-towns/2100-13840_3-6223245.html?part=rss&tag=2547-1_3-0-20&subj=news or <http://tinyurl.com/2oubwa>
Black Rock Solar: <http://www.blackrocksolar.org/>

12-18-07 Deltec Homes PV Installations, North Carolina

Deltec Homes recently launched one of the largest solar panel installations in North Carolina, investing nearly half a million dollars toward sustainable renovations in their Asheville-based offices and manufacturing facility. The project features the installation of 273 PV modules. Press and photo at: <http://biz.yahoo.com/prnews/071218/cltu051.html?v=101>

12-18-07 Eagle Roofing Solution

Eagle Roofing products introduced a comprehensive roofing system, the Eagle Solar Roof, to enhance the beauty of any architectural style. Press at: <http://tinyurl.com/2g3qq4>
Eagle Roofing Products: <http://www.eagleroofing.com/main/>

12-18-07 Commonwealth Solar Program, Massachusetts

The Massachusetts Division of Energy Resources announced the state's new Commonwealth Solar program designed to encourage the use of PV power by offering rebates that reduce the cost of solar panels and installation. The program is expected to result in the installation of more than 27 MW of solar power capacity over the next 4 years. Story at RenewableEnergyAccess: <http://www.renewableenergyaccess.com/rea/news/story?id=50893>
Massachusetts Division of Energy Resources: <http://www.mass.gov/doer/>

12-18-07 Solar Grand Plan [Ken Zweibel]

See the story "A Solar Grand Plan" at Scientific American: <http://www.sciam.com/article.cfm?id=a-solar-grand-plan>

12-18-07 Suntech Chairman and CEO Honored

Suntech Power Holdings Co., Ltd. announced that Dr. Zhengrong Shi, Suntech's Chairman and CEO, has been named one of China's Green Persons of the Year for his outstanding contribution to environmental protection initiatives and environmental awareness within China. Press at:

<http://biz.yahoo.com/prnews/071218/cntu019.html?.v=21>

Suntech: <http://www.suntech-power.com/>

12-18-07 PV News, December 2007

The December 2007 issue of PVNews™ is available by subscription from the Prometheus Institute and greentech media, with articles on "Asian Producers Move to Thin Film", US and world PV news, the first year of the California Solar Initiative, PV research, and much more.

Subscriptions via <http://www.greentechmedia.com/research-pv-news.html> and

<http://www.prometheus.org/research/pvnews>

12-18-07 American Council On Renewable Energy Seminar and Teleconference Series

For information on ACORE's renewable energy seminar and teleconference series, see:

<http://www.acore.org/renewableenergyinfo/>

ACORE: <http://www.acore.org/>

12-18-07 SunPower's Newsletter

SunPower's Newsletter for December 2007 is available at: <http://tinyurl.com/2kfp87>

12-18-07 Solar-powered Airship

Sanswire Networks LLC announced that the 2nd free flight mission of the Sanswire Autonomous Solar, "SAS-51", a solar-powered, autonomously controlled airship, was completed in Stuttgart. Press at:

<http://biz.yahoo.com/pz/071218/133211.html>

Sanswire: <http://www.sanswire.com/>

12-18-07 FY 2008 Appropriations

The House approved the FY 2008 Omnibus Appropriations bill 253-154, and added \$33 billion for military spending in a separate 206-201 vote. The Senate is now scheduled to consider the bill, ahead of the 21 December expiration of the Continuing Resolution.

12-19-07 More on Underwriters Laboratories PV Testing and Certification Facility, California

Underwriters Laboratories announced it will build a state-of-the art PV testing and certification facility in the Silicon Valley. The multi-million dollar investment to build a 16,000-square-foot facility is intended to increase testing capacity for the renewable energy industry and get UL-Listed PV products to market faster. UL said it plans to begin construction in early 2008, expects to hire approximately 25 technicians and staff over the next 5 years, and will offer a full portfolio of pre-certification services, including R&D and training.

Story at: <http://biz.yahoo.com/iw/071218/0341646.html>

UL: <http://www.ul.com/dge/>

<http://www.ul.com/newsroom/newsrel/nr121807.html>

12-19-07 Nanosolar – Beck Energy Solar Power Project, Germany

Nanosolar Inc. and Beck Energy announced that they have won a highly competitive public selection process for a solar power project located on a former landfill owned by one of the largest waste management companies in eastern Germany. The project will employ the Nanosolar Utility Panel™ in combination with systems technology and services from Beck Energy. The initial size of the plant is 1 MW. Story at Solarbuzz: <http://www.solarbuzz.com/News/NewsEUPR420.htm>

Nanosolar: <http://www.nanosolar.com/>

Beck Energy: <http://www.beck-energy.de/code/>

12-19-07 Xunlight \$2M Loan from Lucas County Commissioners, Ohio [Xunming Deng]

The Lucas County Commissioners approved a \$2M loan to Xunlight Corp. Story at the Toledo Blade:

<http://www.toledoblade.com/apps/pbcs.dll/article?AID=/20071218/NEWS33/54365603> or

<http://tinyurl.com/2kx7pn>

See also: ABC, "Hundreds of jobs are on the way to Toledo"

<http://abclocal.go.com/wtv/story?section=news/local&id=5842578> or <http://tinyurl.com/2vohgj>

See also: "Toledo Finds the Energy to Reinvent Itself" at The Wall Street Journal Online:

http://online.wsj.com/article_email/SB119795042868436131-1MyQjAxMDE3OTE3ODkxNTgwWj.html or

<http://tinyurl.com/2tss6g>

Xunlight Corporation: <http://www.xunlight.com/>

12-19-07 Electrabel PV Projects, Belgium

Suez SA's Belgian unit Electrabel said it has signed a 4 mln eur deal with Honda Motor Co. to install PV at its factory in Aalst, Belgium. Electrabel said it will install 11 MW of PV for some 15 industrial customers in the Belgian region of Flanders. Press at:

<http://www.iii.co.uk/news/?type=afxnews&articleid=6453322&subject=companies&action=article> or

<http://tinyurl.com/2mp68e>

Electrabel: http://www.electrabel.com/homepage/index_EN.asp

12-19-07 Global Warming Solutions Collaborations

Global Warming Solutions, Inc. announced a collaboration agreement with Solar Wind, Ltd. According to the press, Global Warming Solutions' Light Electric and Thermal Generator, coupled with Solar Wind's double-sided cells, will be able to substantially boost power output, thus increasing the efficiency and reducing the cost of producing electricity via solar power. Separately, Global Warming Solutions is continuing negotiations with Motech Industries, Inc. Press at:

<http://biz.yahoo.com/bw/071219/20071219005489.html?.v=1>

Global Warming Solutions, Inc.: <http://www.globalwarmingsolutions.com/>

Solar Wind: <http://www.solwind.ru/>

Motech: <http://www.motech.com.tw/>

12-19-07 WorldWater & Solar Technologies LOI from Solar Dynamic Energy

WorldWater & Solar Technologies Corp. announced that the company has received a Letter of Intent from Solar Dynamic Energy Ltd. Of Milan and London to construct solar sites totaling 3.25 MW in Southern Italy. SDE will work with La Esco del Sole, a solar marketing and installation company. Press at:

<http://biz.yahoo.com/bw/071219/20071219005248.html?.v=1>

WorldWater & Solar: <http://www.worldwater.com/>

12-19-07 Nano Flakes

According to this press, a new material -- nano flakes -- may revolutionize the transformation of solar energy into electricity. More on R&D by Martin Aagesen, a PhD from the Nano-Science Center and the Niels Bohr Institute at University of Copenhagen at Science Daily

<http://www.sciencedaily.com/releases/2007/12/071218105420.htm> and PhysOrg.com

<http://www.physorg.com/news117206327.html> and ElectricNet

[http://www.electricnet.com/content/news/article.asp?docid=aac08fc5-f9bf-44d7-8216-](http://www.electricnet.com/content/news/article.asp?docid=aac08fc5-f9bf-44d7-8216-9c48101966e5&atc~c=771+s=773+r=001+l=a&VNETCOOKIE=NO)

[9c48101966e5&atc~c=771+s=773+r=001+l=a&VNETCOOKIE=NO](http://www.electricnet.com/content/news/article.asp?docid=aac08fc5-f9bf-44d7-8216-9c48101966e5&atc~c=771+s=773+r=001+l=a&VNETCOOKIE=NO) or <http://tinyurl.com/2f5nma>

12-19-07 Connecticut Clean Energy Fund Support for PV System

The Connecticut Clean Energy Fund Board announced approval of a \$1,180,000 grant to defray approximately half of the total cost of a 308-kW DC PV system at The Lee Company's Westbrook, Connecticut Restrictor Group production facility. The Lee Company will utilize the services of Gloria Spire Solar LLC. Story at RenewableEnergyAccess:

<http://www.renewableenergyaccess.com/rea/partner/story?id=50904> or <http://tinyurl.com/2uty69>

Connecticut Clean Energy Fund: <http://www.ctinnovations.com/funding/ccef/about.php>

Gloria Spire Solar: <http://www.gloriaspire.com/>

12-19-07 Polysilicon Supply, Scrap Wafers

According to this press, an insufficient supply of polysilicon has caused industry players to consider the possibility of using scrap wafers that have been buried for years. See DigiTimes at:

<http://www.digitimes.com/NewsShow/NewsSearch.asp?DocID=PD00000000000000000000000004059&query=SOLAR> or <http://tinyurl.com/yofrgq>

12-19-07 Scrap Wafer Sales

See the story "Formosa Sumco sees big profits from scrap wafer sales to solar cell makers, reports paper" at DigiTimes:

<http://www.digitimes.com/NewsShow/NewsSearch.asp?DocID=PB00000000000000000000000003377&query=SOLAR> or <http://tinyurl.com/yoq3xn>

12-19-07 Silicon Wafer Pricing

See the story on silicon wafer pricing at DigiTimes:

<http://www.digitimes.com/NewsShow/NewsSearch.asp?DocID=PD00000000000000000000000004056&query=SOLAR> or <http://tinyurl.com/yufuzf>

12-19-07 World Bank Agreements for Solar in Bangladesh

The World Bank signed two agreements for installation of solar home systems in Bangladesh. Story at:

<http://www.alertnet.org/thenews/newsdesk/DHA44742.htm>

12-19-07 Solar Energy Grid Integration Systems RFP

See information in the December 14, 2007 EERE Progress Alert on the Request for Proposal for the Solar Energy Grid Integration Systems program at:

http://www.eere.energy.gov/news/progress_alerts/progress_alert.asp?aid=260 or <http://tinyurl.com/3xvxte>
http://www.eere.energy.gov/solar/solar_america/open_upcoming_fund_opps.html or <http://tinyurl.com/2jyxw>

12-19-07 EERE Network News [Kevin Eber]

The latest issue of EERE Network News, with coverage of the Nellis AFB PV System and other news, is available at: <http://www.eere.energy.gov/news/enn.cfm>

12-19-07 FY 2008 Omnibus Appropriations Bill

The Senate approved the Omnibus spending bill yesterday, and the House is expected to approve it today.

12-19-07 Energy Bill Update

The House passed the Energy Bill, which is now going to President Bush for signature. For an update, see RenewableEnergyAccess at:

<http://www.renewableenergyaccess.com/rea/news/story;jsessionid=054A02D2ADE8FD247564D6C3AFAF00DB?id=50915> or <http://tinyurl.com/ytwyth>

In related solar news...

12-19-07 Abengoa Solar Financing Agreement for Plant

Abengoa SA affiliate Abengoa Solar said it has signed a financing agreement for over 200 mln eur for the construction and management of its solar power plant Solnova 1. Story at:

<http://www.iii.co.uk/news/?type=afxnews&articleid=6453713&subject=companies&action=article> or <http://tinyurl.com/2jkfh4>

Abengoa: <http://www.abengoa.com/>

12-19-07 TrendSetter's San Diego, California Pilot Project

TrendSetter Solar Products announced that the company has successfully completed a contract for the sale of solar hot water heating equipment to a commercial project in San Diego, California.

Story at: <http://tinyurl.com/2qsr4m>

TrendSetter Solar Products: <http://www.trendsetterindustries.com/>

Center for Sustainable Energy California: <http://www.sdreo.org/>

12-20-07 Solsonica Polysilicon Wafer Contract with Deutsche Solar

Solsonica S.p.A. has entered into a new contract with Deutsche Solar AG for a multi-year supply of polysilicon wafers. Under the contract, Deutsche Solar will supply the equivalent of more than 300 MW of silicon wafers to Solsonica over the period of 2011 to 2018.

Press at Solarbuzz: <http://www.solarbuzz.com/News/NewsEUCO491.htm>

Solsonica: <http://www.solsonica.com/>

Deutsche Solar: <http://www.deutschesolar.de/DeutscheSolar-de.211.0.html?L=1> or <http://tinyurl.com/3a9x8f>

12-20-07 More on ReneSola – JA Solar Wafer Contract

ReneSola has signed a long-term sales contract with JA Solar Holdings Co. Ltd. to supply 600 MW of wafers over 5 years commencing in the second half of 2008. More at Solarbuzz:

<http://www.solarbuzz.com/News/NewsEUCO490.htm>

ReneSola: <http://www.renesola.com/>

JA Solar: <http://www.jasolar.com/Web/index-en.asp>

12-20-07 Becancour Silicon Production Expansion

Timminco Limited said it will need to expand production capacity at a Quebec facility owned by its subsidiary Becancour Silicon, which signed a deal to sell solar grade silicon to an unnamed solar cell manufacturer.

More at: <http://finance.sympatico.msn.ca/investing/news/businessnews/article.aspx?cp-documentid=5892462> or <http://tinyurl.com/2b8tha>

<http://www.abnnewswire.net/press/en/46387/AMG.html>

Timminco: <http://www.timminco.com/>

12-20-07 Ascent Solar Deal with Norsk Hydro

Ascent Solar Technologies Inc. said it signed a new cooperation agreement with its partner Norsk Hydro ASA. Ascent said that in anticipation of commencement of its 1.5 MW pilot scale production set for next year, the companies agreed to jointly develop and build integrated PV products. Story at:

http://biz.yahoo.com/ap/071219/ascent_solar_hydro.html?.v=1

Ascent Solar: <http://www.ascentsolar.com/>

Norsk Hydro ASA: <http://www.hydro.com/en/>

12-20-07 HelioVolt Manufacturing Facility, Texas

HelioVolt Corporation announced plans to locate its initial manufacturing facility in the Expo Business Park in Austin, Texas. Story at: <http://biz.yahoo.com/bw/071220/20071220005244.html?.v=1>

HelioVolt: <http://www.heliovolt.net/>

12-20-07 ersol Solar Cells to Yocasol

See the story “ersol Solar Energy Supplies Cells to Japan’s Yocasol Inc.” at Solarbuzz:

<http://www.solarbuzz.com/News/NewsASCO187.htm>

Ersol: <http://www.ersol.de/>

Yocasol: <http://www.yocasol.com/>

12-20-07 Solar Integrated Technologies Funding

Solar Integrated Technologies has raised £14M from a share placing. Press at:

<http://uk.biz.yahoo.com/071220/214/hqrxw.html>

Solar Integrated Technologies: <http://uk.biz.yahoo.com/071220/214/hqrxw.html>

12-20-07 Solar Power Inc. Private Placement

Solar Power, Inc. announced that it has entered into definitive agreements with institutional and accredited investors with respect to a private placement. Press at:

<http://biz.yahoo.com/bw/071220/20071220005236.html?.v=1>

Solar Power, Inc.: <http://www.solarpowerinc.net/>

12-20-07 LDK Solar Results

For LDK Solar results for the 3rd quarter, see: <http://sg.news.yahoo.com/rtrs/20071220/tbs-ldk-results-7318940.html> or <http://tinyurl.com/2ybz76>
<http://money.cnn.com/news/newsfeeds/articles/prnewswire/AQW10019122007-1.htm> or
<http://tinyurl.com/yryrf6>
LDK Solar: <http://www.ldksolar.com/index.html>

12-20-07 China Sunergy CFO

China Sunergy Co, Ltd. appointed Mr. Kenneth Luk as its new CFO. Press at:
<http://money.cnn.com/news/newsfeeds/articles/prnewswire/CNW01519122007-1.htm> or
<http://tinyurl.com/yspcyca>
China Sunergy: <http://www.chinasunergy.com/en/index.php>

12-20-07 Shift to Solar Power

See the story "China's 'Sun King' Aims to Lead Shift to Solar Power" with coverage of Suntech Power Holdings Co., Ltd. at NPR: <http://www.npr.org/templates/story/story.php?storyId=17351206&ft=1&f=1001> or
<http://tinyurl.com/26xung>

12-20-07 V-Shaped Solar Cells

See "V-shaped solar cells could lead to better efficiency" covering research by Peter Peumans and colleagues at Stanford University, at PhysOrg: <http://www.physorg.com/news117290444.html>

12-20-07 Solar Plant Plans, New Mexico

Gallup Solar, a project of Work in Beauty, Inc. is pushing for a 40-MW solar power plant. Story at:
http://www.gallupindependent.com/2007/december/121907kk_gplslr.html or <http://tinyurl.com/yu46w4>

12-20-07 Pure Energy Solar PV System in Gainesville, Florida

See the photo and story of Pure Energy Solar's 25-kW PV system at Akira Wood on Main Street in Gainesville at:
<http://www.gainesvillesun.com/article/20071220/NEWS/712200312/1002/NEWS&source=RSS> or
<http://tinyurl.com/2c4ejq>
Pure Energy Solar: <http://www.pureenergysolar.net/index.html>

12-20-07 Solar for BMW, South Carolina

Duke Energy Corp. is in negotiations with BMW Manufacturing Co. to build a solar energy plant at the car company's Spartanburg facility. More on Duke's goals in the press at:
<http://www.charlotte.com/business/story/413271.html>

12-20-07 More on BP America Solar Donation to Food Bank, Washington, DC

BP America announced a \$1 million donation of the company's PV panels and other equipment to the Capital Area Food Bank. Story at RenewableEnergyAccess:
<http://www.renewableenergyaccess.com/rea/news/story?id=50921>
BP: <http://www.bp.com/home.do?categoryId=1>

12-20-07 Tucson, Arizona Solar Program

See "Tucson makes progress on two-year, \$553,000 solar energy Program" at the Tucson Citizen:
<http://www.tucsoncitizen.com/ss/local/71947.php>

12-20-07 Negev Solar Energy Power Plant, Israel

The World Bank is considering financing a proposed solar energy power station to be built in the Negev. Story at: <http://www.globes.co.il/serveen/globes/docview.asp?did=1000288750&fid=942> or
<http://tinyurl.com/225kd3>

12-20-07 Navigant Consulting's Solar Outlook [Paula Mints]

Navigant Consulting's Solar Outlook – Quarterly Photovoltaic Industry Update, December 31, 2007 is available [by subscription] with coverage a 2007 PV industry wrap up and directions in 2008, top-10 technology manufacturers 2001 through 2007 (estimated), 2007 regional demand and supply share estimates, the Solar Power 2007 conference, and other analysis. See Solar Outlook at:

<http://www.navigantconsulting.com/A559B1/navigantnew.nsf/fCNTDspEdit?OpenForm&Cat1=LA2&Cat2=LB3&Cat3=LC6> or <http://tinyurl.com/2fetgo>

12-20-07 IEEE PVSC 33 Deadline Extension

In response to an overwhelming number of requests to extend the upcoming deadline, the organizing committee for the 33rd IEEE Photovoltaic Specialists Conference has extended the deadline for abstracts and review papers to January 4. See the website for additional information: <http://www.33pvsc.org/public/>

12-20-07 FY 2008 Omnibus Appropriations Bill

The House approved the Omnibus spending bill yesterday by a vote of 272-141, and Congress approved a 4th continuing resolution until December 31 to give the President time to sign the bill.

12-20-07 Energy Bill Signed

President Bush signed the Energy Bill, H.R. 6 – The Energy Independence and Security Act of 2007.

Remarks by the President: <http://tinyurl.com/24a9c8>

<http://tinyurl.com/yw7gqr>

12-20-07 Feed-in Tariffs in Europe, Podcast

See the current RenewableEnergyAccess Podcast, “The Challenge for Feed-in Tariffs in Europe” at:

<http://www.renewableenergyaccess.com/rea/news;jsessionid=35F5CFA2C5E5B0FD3536E02F4CD14716?section=podcast> or <http://tinyurl.com/yvtmga>

In related solar news...

12-20-07 More on Ausra Plant in Las Vegas, Nevada

Ausra Inc. is to build the first U.S. manufacturing plant for solar thermal power systems in Las Vegas. Story at: <http://www.solarbuzz.com/News/NewsNAMA100.htm>

Ausra: <http://www.ausra.com/>

12-21-07 JA Solar Cells to Solaria Energia / JA Solar CTO

JA Solar Holdings Co. will provide Solaria Energia y Media Ambiente SA with up to 60MW worth of silicon cells next year. JA Solar also appointed Dr. Qingtang Jiang as acting CTO, in addition to his current responsibility as vice president of operations. Press at:

http://biz.yahoo.com/ap/071221/ja_solar_holdings_supply_agreement.html?.v=1 or <http://tinyurl.com/2h9kdw>

<http://money.cnn.com/news/newsfeeds/articles/newstex/AFX-0013-21841827.htm> or <http://tinyurl.com/2f4ver>

<http://au.biz.yahoo.com/071221/21/1jhnc.html>

JA Solar: <http://www.jasolar.com/Web/index-en.asp>

Solaria: http://www.solariaenergia.com/v_portal/apartados/pl_basica.asp?te=179 or <http://tinyurl.com/2ryg69>

12-21-07 Sino-American Silicon Products Acquisition of GlobiTech

Sino-American Silicon Products announced plans to spend US\$45M to acquire a 100% share of GlobiTech Incorporated, a US-based company located in Sherman, Texas. Story at DigiTimes:

<http://www.digitimes.com/NewsShow/NewsSearch.asp?DocID=PD00000000000000000000000004095&query=SOLAR> or <http://tinyurl.com/3drj4r>

Sino-American Silicon Products Inc.: http://www.saswafer.com/index/index_tw.aspx

GlobiTech: <http://www.globitech.com/>

12-21-07 ICP Solar Supply Agreement with Shanghai Electric Solar Energy Co.

ICP Solar Technologies Inc. announced a two-year supply agreement with Shanghai Electric Solar Energy Co. Press at RenewableEnergyAccess:

<http://www.renewableenergyaccess.com/rea/partner/story?id=50946>

or <http://tinyurl.com/25qrs5>

ICP Solar: <http://www.icpsolar.com/>

12-21-07 Oerlikon's New Orders

Oerlikon Solar announced that it has been awarded contracts with Taiwan's Auria Solar Co. Ltd and Italy's Pramac SpA for 60 MWp and 30 MWp thin-film module production lines, respectively. Press at: Solarbuzz: <http://www.solarbuzz.com/News/NewsEUMA205.htm>
Oerlikon Solar: <http://www.oerlikon.com/solar/>

12-21-07 SolarWorld Selling 65% Stake in Swedish Subsidiary

According to this press, SolarWorld AG has agreed to sell a 65% stake in its Swedish subsidiary Gaellivare PhotoVoltaic AB to Borevind AB. Press at: <http://www.sharewatch.com/story.php?storynumber=140656>
SolarWorld: <http://www.solarworld.de/>
Gaellivare PV: <http://www.gpv-solar.com/>
Borevind: <http://www.borevind.se/default.asp>

12-21-07 Envision Solar LifePort

Envision Solar International Company introduced its residential flagship product, called the LifePort. LifePort's solar modules, standing seam metal roofing, and electronics are customized to meet homeowners' unique energy requirement. More at RenewableEnergyAccess: <http://www.renewableenergyaccess.com/rea/news/productstory?id=50861> or <http://tinyurl.com/2h9rv7>
Envision Solar: <http://www.envisionsolar.com/>
<http://www.envisionsolar.com/index.php?page=portfolio&id=2> or <http://tinyurl.com/2gnnys>
LifePort: <http://www.lifeportsolar.com/>

12-21-07 Solar Ports, Philippines

The Philippine Ports Authority is looking at an offer from the Spanish government for a loan for the construction of 70 to 100 modular and solar-powered ports across the country. Story at: <http://www.philstar.com/index.php?Local%20News&p=54&type=2&sec=2&aid=2007122136> or <http://tinyurl.com/3e23cr>

12-21-07 US DOE's Conservation Update

The U.S. DOE's State Energy Program publishes Conservation Update bimonthly, which includes summaries of renewable energy projects of state energy offices. See the Website with the latest issue at: http://www.eere.energy.gov/state_energy_program/update/

12-21-07 Solar Energy Consortium, New York

Just under \$1.5 million has been secured for the Solar Energy Consortium in Kingston. See: http://www.midhudsonnews.com/News/SolEnCon_funding-21Dec07.html or <http://tinyurl.com/2vovhk>
<http://www.recordonline.com/apps/pbcs.dll/article?AID=/20071221/NEWS/712210338> or <http://tinyurl.com/35en4c>
http://www.house.gov/list/press/ny22_hinchey/morenews/122007TSEC.html or <http://tinyurl.com/3y2z32>

12-21-07 Solar Power Investment

See "Solar power as the next great investment bonanza" at: http://www.dailyreportonline.com/Editorial/News/singleEdit.asp?individual_SQL=12%2F21%2F2007%4020237 or <http://tinyurl.com/2qjwzs>

12-21-07 Cleantech in 2008 / Energy Bill

See "Eight cleantech developments to watch for 2008" at Cleantech™: <http://media.cleantech.com/2219/eight-cleantech-developments-to-watch-for-in-2008> or <http://tinyurl.com/2ydlxo>
See also "U.S. solar & wind incentives on the way?" at: <http://media.cleantech.com:80/2223/scaled-back-u-s-energy-bill-to-become-law> or <http://tinyurl.com/2n5k29>

12-21-07 WIREC 2008 [Michael Eckhart]

Information on the Washington International Renewable Energy Conference, WIREC 2008, 4-6 March 2008 in Washington, DC, can be found at the Website: <http://www.wirec2008.gov/wps/portal/wirec2008>
The WIREC 2008 Tradeshow information is at: <http://www.americanrenewables.org/>

12-21-07 Solar Jobs

See "How to Land a Job in the Solar Industry: Upstream vs. Downstream" at RenewableEnergyAccess: <http://www.renewableenergyaccess.com/rea/news/businessre/story?id=50949> or <http://tinyurl.com/364ve3>

In related solar news...**12-21-07 Solel – PG&E Contract**

The California Energy Commission approved a 25-year contract between Solel Inc and Pacific Gas & Electric for power generated from a 554-MW solar thermal power plant in the Mojave Desert to come on line by 1 January 2011. Press at: <http://www.enn.com/business/article/27922>
Solel: <http://www.solel.com/>

12-21-07 Proposed Ausra Solar Plant, California

The California Energy Commission has accepted an application for a 177-MW solar power plant proposed for eastern San Luis Obispo County, which starts the environmental review of the project. Ausra Inc. wants to build the solar thermal facility on 640 acres of land near the Carrizo Plain. Story at: <http://www.sanluisobispo.com/breakingnews/story/225334.html>
Ausra: <http://www.ausra.com/>