

NCPV Hotline — Week of March 9-13, 2009

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

3-9-09 SolFocus in Greece

SolFocus is expanding its installation of solar concentrator PV technology in Greece. Originally announced in November 2008 as a 1.6-MWp deployment between SolFocus and Samaras Group, a new agreement increases the size of the project to 10 MWp. More in the stories at Solarbuzz:

<http://www.solarbuzz.com/News/NewsEUPR586.htm>

PV Tech: <http://tinyurl.com/actsw3>

RenewableEnergyWorld: <http://tinyurl.com/cn5vcv>

SolFocus: <http://www.solfocus.com/en/index.php>

Samaras Group: <http://www.samarasgroup.com/>

3-9-09 Isofoton Plans for US Module Assembly Plant

Isofoton, through its subsidiary Isofoton North America, has signed a cooperation agreement with the State of Ohio by which both sides commit to cooperate in the implementation of a new Isofoton production center in the state. Story at Solarbuzz: <http://www.solarbuzz.com/News/NewsNAMA157.htm>

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

<http://tinyurl.com/cj7djc>

3-9-09 Spire Module Engineering Platform

Spire Corporation announced that it is making available a new, simple development engineering platform for universities, companies, government laboratories and corporate R&D organizations to develop and evaluate their new materials and designs for PV modules.

Press at: RenewableEnergyWorld: <http://tinyurl.com/dxe7pn>

Spire: <http://www.spirecorp.com/spire-solar/>

3-9-09 Taiwan Polysilicon Factory

Taiwan Polysilicon is constructing a factory in southern Taiwan, with completion scheduled for the end of 2009. Volume production is expected to kick off in April 2010.

Press at DigiTimes: <http://tinyurl.com/b2xufo>

3-9-09 Kyocera Solar PV Module Plant, Mexico

Kyocera Solar inaugurated its second PV module manufacturing plant in Tijuana, Mexico, with a nameplate capacity of 150 MW.

Press at: <http://tinyurl.com/bmk7h5>

<http://tinyurl.com/8wkxw6>

Kyocera: <http://www.kyocerasolar.com/>

Note: With each NCPV Hotline mailing, there is a small and variable number of recipients' servers that reject the mailing as spam. It may be necessary to specifically allow the emails through spam filters if the emails are being blocked. All mailings are subsequently posted in the archives.

3-9-09 Arima EcoEnergy Target

Arima EcoEnergy Technologies Corp. is focusing on building its mass production capability this year.

Press at CPV Today: <http://tinyurl.com/coj4da>

Arima EcoEnergy: <http://www.arimaeco.com/>

3-9-09 BioSolar Product Expansion to CIGS, CdTe Modules

BioSolar, Inc. announced its plan to expand the company's BioBacksheet(TM) technology to accommodate CIGS and CdTe thin-film modules.

Press at: <http://tinyurl.com/cxhgra>

BioSolar: <http://www.biosolar.com/>

3-9-09 Prism Solar Technologies Goal

Prism Solar Technologies, Inc., which a few months ago received a \$1 million grant from The Solar Energy Consortium for its patented holographic planar concentrator technology, wants to be at grid parity by 2012. Press at CPV Today: <http://social.cpvtoday.com/content/prism-solar-targets-grid-parity-2012> or <http://tinyurl.com/aw4l2d>

Prism Solar Technologies: <http://www.prismsolar.com/>

3-9-09 Texas Emerging Technology Funds for 21-Century Silicon and Solarno

Texas Governor Rick Perry spoke at the North Texas Regional Center for Innovation and Commercialization, Tech Success 2009 event where he also announced Texas Emerging Technology Fund investments in 9 NTXRCIC portfolio companies, including \$3.5 million to 21-Century Silicon Inc. to commercialize its production process of low-cost silicon for cell cells and \$1 million to Solarno for commercialization of its nanotube technology for next generation solar cells.

Press at: <http://governor.state.tx.us/news/press-release/12041/>

Texas Emerging Technology Fund: http://www.texasone.us/site/PageServer?pagename=tetf_homepage

21-Century Silicon, Inc.: <http://www.21-centurysilicon.com/>

Solarno: <http://www.solarno.com/>

3-9-09 Tampa Electric Contract to Purchase PV Energy, Florida

Tampa Electric announced that it has signed a contract to purchase solar power supplied by Energy 5.0's Florida Solar I facility, a proposed 25-MW PV electric generating station, for a 25-year period beginning in 2011. Press at: <http://tinyurl.com/cbxh9y>

Solarbuzz: <http://www.solarbuzz.com/News/NewsNAPR1427.htm>

Tampa Electric Company: <http://www.tampaelectric.com/>

Energy 5.0: <http://www.energy5-0.com/>

3-9-09 Astonfield Renewable Resources Investment in Solar Projects, India

US-based Astonfield Renewable Resources said it is planning to invest \$2 billion in the next 5 years, and a major portion of it would be used for setting up solar power projects in India. Press at:

<http://www.hindu.com/thehindu/holnus/006200903081023.htm>

Astonfield Renewable Resources: <http://www.astonfield.com/>

3-9-09 Executive Director of SolarTAC

Officials at Midwest Research Institute announced that Dustin T. Smith has been appointed executive director of the Solar Technology Acceleration Center (SolarTAC), a solar technology acceleration center that was launched last October and is currently under construction in Aurora, Colorado.

Press at: <http://tinyurl.com/cbce2v>

SolarTAC: <http://www.solartac.org/>

3-9-09 W2 Energy Subsidiary, Think Solar USA

W2 Energy Inc. announced it has established a wholly owned subsidiary, Think Solar USA, which will be designing, building, selling and deploying solar-based electricity and process heat systems throughout the continent. Press at: <http://finance.yahoo.com/news/W2-Energy-Establishes-Solar-iw-14580773.html> or <http://tinyurl.com/cxhkje>

W2 Energy: <http://www.w2energy.com/>

Think Solar USA: <http://www.thinksolarusa.com/>

3-9-09 SEPA Fact Finding Mission and Utility Solar Conference

From 17-22 May, SEPA will lead a delegation of utility executives and managers to Spain to learn about the country's experience with both PV and concentrating solar power. Information at:

<http://www.solarelectricpower.org/docs/Fact%20Finding%20Mission.pdf> or <http://tinyurl.com/bvr8lg>

<http://tinyurl.com/bwyzc8>

SEPA's Utility Solar Conference is a 2-day conference (28-29 July in San Jose, California), open only to utility employees interested in exploring how to develop a viable long-term solar strategy of benefit to all stakeholders. Information at: <http://www.utilitysolarconference.com/>

SEPA Press: <http://tinyurl.com/arkyea>

<http://www.solarelectricpower.org/>

3-9-09 Solar Investments

See the story "Investors Conference 2009: Journey into the unknown", with coverage of PHOTON's 4th Photovoltaic Investors Conference held on 5 March, at PHOTON International: <http://tinyurl.com/avhdet>
<http://www.photon-international.com/index.htm>

3-9-09 Solar Sales Program for Realtors

The Arizona Solar Power Society(TM) announced a new sales program designed to teach realtors and real estate agents how to increase their sales revenue by selling energy efficiency home surveys, solar water heaters and solar power systems to residential and commercial customers. More on the Realtor Solar Scout(TM) Training Program at: <http://tinyurl.com/b8rf4h>

<http://www.meetup.com/arizona-solar-power-society/calendar/9911247/> or <http://tinyurl.com/cw2ubr>

3-9-09 Bella Energy Green Jobs Training

Bella Energy trained workers learning green construction skills as part of a Boulder County Green Jobs Pipeline Program. Together the crews installed a 10-kW solar system on an affordable housing unit in Louisville, Colorado. Press at: <http://sev.prnewswire.com/null/20090309/LA8040309032009-1.html>

Bella Energy: <http://www.bellaenergy.com/>

In related solar news...

3-9-09 Solar Thermal Plant, Australia

According to this press, Pankaj Oswal has reportedly abandoned plans to build a \$1.5-billion solar energy plant in Western Australia's Pilbara region after being unable to find suitable land, and the project will be shifted to South Australia's Coorong shire southeast of Adelaide.

Press at: <http://tinyurl.com/aw638n>

<http://tinyurl.com/al8xkn>

<http://tinyurl.com/cn3el9>

3-9-09 Solar Water Heating Incentives, Texas

Oncor expanded its solar energy initiatives to include the Take A Load Off, Texas(SM) Solar Water Heating Program.

Press at: <http://tinyurl.com/armxz5>

Oncor: <http://www.oncor.com/electricity/teem/default.aspx>

3-10-09 HelioSphera Supply Agreement with Tecno Spot

HelioSphera has signed a long-term supply agreement with Tecno Spot, an Italian distributor of PV modules and components. The contract includes the supply of a minimum of 9 MW of micromorph thin-film modules between 2009 and 2010, and both parties agreed to consider a framework for additional quantities in 2010. Press at Solarbuzz: <http://www.solarbuzz.com/News/NewsEUCO730.htm>
HelioSphera: <http://www.heliosphera.com/>
Tecno Spot: <http://www.tecnospot.it/en/home.html>

3-10-09 Amonix HCPV System

Amonix has released its newest HCPV product, the 53-kW Amonix 7700 designed for utility-scale deployment. Utilizing multijunction solar cells, the Amonix 7700 is comprised of seven proprietary MegaModule(R)s that are built to maximum transportable size for rapid and cost-effective field deployment. Press at RenewableEnergyWorld: <http://www.renewableenergyworld.com/rea/news/article/2009/03/amonix-introduces-hcpv-system> or <http://tinyurl.com/czm6m2>
Amonix: <http://www.amonix.com/>
http://www.amonix.com/press_release.html

3-10-09 NorSun Financing

NorSun has raised NOK 1.15 billion in new financing to expand production of silicon ingots and wafers for high-efficiency solar cells. Press at: <http://tinyurl.com/b3zzr5>
NorSun: <http://www.norsuncorp.no/>

3-10-09 Sixtron Funding

Sixtron Advanced Materials announced that it has completed the contracting phase with Sustainable Development Technology Canada, and has received an initial \$1.5 million in funding.
Press at: <http://tinyurl.com/amv8ya>
Sixtron: <http://www.sixtron.com/>

3-10-09 JA Solar Results

JA Solar Holdings, Ltd. announced its fourth quarter and 2008 financial results.
Press at: <http://tinyurl.com/dagqqn>
JA Solar: <http://www.jasolar.com/Web/index-en.asp>

3-10-09 Total and GDF SUEZ Solar Investment

See the story "Total and GDF SUEZ are considering a new investment in France in the solar industry" at: <http://tinyurl.com/aadvog>
Total: <http://www.total.com/>
GDF SUEZ: <http://www.gdfsuez.com/en/group/>

3-10-09 City of Tucson Placement of Clean Renewable Energy Bonds Allowing for 1-MW of PV Projects, Arizona [Bruce Plenk]

On 26 February, the City of Tucson placed \$7.6 million of Clean Renewable Energy Bonds, which will allow the City to build one MW of PV projects on seven city sites. Bank of America purchased the tax credit bonds to be paid back by the City over 13 years using funds from energy savings and solar rebates from Tucson Electric Power. More in the press from the City of Tucson: <http://www.tucsonaz.gov/hottopics/solarbonds.html> and Solarbuzz: <http://www.solarbuzz.com/News/NewsNAPR1429.htm>
<http://www.tucsonaz.gov/energy/alternative.html>
<http://www.tucsonaz.gov/index.php>

3-10-09 Clear Skies Solar PV System for McGowan Builders, New Jersey

Clear Skies Solar, Inc. announced the installation of the McGowan Builders 123.9-kW DC solar energy system using Suntech modules at the company's renovated headquarters in New Jersey. Press at: <http://tinyurl.com/d6o4x3>
Clear Skies Solar: <http://www.clearskiesgroup.com/>

3-10-09 Lonestar Capital Corp. Commercial Division

Lonestar Capital Corp. has created a commercial division and named Ron Warmack as Director, Commercial Operations.

Press at: <http://finance.yahoo.com/news/Lonestar-Capital-Corp-Creates-iw-14583955.html> or <http://tinyurl.com/cdgsxd>

Lonestar / Arco Energy: <http://acroenergy.com/company>

3-10-09 Dyesol in ASX All Ordinaries Index, Sustainability Report

Dyesol Limited is now in the ASX All Ordinaries Index, and has released its first sustainability report.

Press at: <http://tinyurl.com/b585rq>

Dyesol: <http://www.dyesol.com/>

3-10-09 CHINT Solar, Astroenergy Private Investment

According to this press, two Chinese private equity firms have invested a combined \$50 million in CHINT

Solar. Press at: <http://www.interfax.cn/news/8603/>

<http://www.cleantech.com/news/4248/astroenergy-secures-50m-pv-manufactu> or <http://tinyurl.com/daqe5e>

CHINT Solar, Astroenergy: <http://www.chintsolar.com/en/index.asp>

3-10-09 E.ON AG Solar Projects

E.ON AG said it remains committed to expanding its renewable energies business and is preparing several large-scale solar power projects. Press at: <http://tinyurl.com/cpr9kl>

E.ON AG: <http://www.eon.com/en/421.jsp>

3-10-09 Satcon Inverters for San Jose Unified School District PV Installations, California

Satcon announced that it has provided its PowerGate Plus PV inverters for the 5.5-MW San Jose Unified School District PV installations.

Press at: <http://www.centredaily.com/news/education/story/1162240.html> or <http://tinyurl.com/aga9mf>

Satcon: <http://www.satcon.com/>

3-10-09 Air Products LOI with Best Solar

Air Products announced it has signed a letter of intent to provide liquid bulk and on-site gases to China's Best Solar Hi Tech Co., Ltd, which is building a new thin-film PV facility in Nanchang City, Jiangxi

Province, China. Press at: <http://tinyurl.com/b2p5kj>

Air Products: <http://www.airproducts.com/index.asp>

Best Solar: <http://www.bestsolarco.com/introduction.asp>

3-10-09 Solar Jobs Map [Antone Neugass]

The interactive "solar jobs map" was created through a collaboration among the Solar Energy Research & Education Foundation, Google.com, and Navigant Consulting Inc. The map dynamically illustrates the anticipated solar job creation over the next 8 years on a state-by-state basis and compares the job creation potential across solar technologies. It was designed to serve as a tool to help users visualize and understand how current, supportive government policies for solar energy are expected to generate more than 440,000 green jobs and tens of thousands of megawatts of clean energy across the nation by 2016. Information at: <http://www.seref.us/solarjobsmap.html>

http://www.seia.org/cs/solar_jobs_map

Solar Energy Research & Education Foundation: <http://www.seref.us/>

Google.org: <http://www.google.org/>

Navigant Consulting: <http://www.navigantconsulting.com/>

3-10-09 Vote Solar Initiative Analysis of Florida and Texas Job Opportunities

The Vote Solar Initiative released analysis indicating that a new renewable energy goal in Florida would create significant local employment opportunities.

Press at: <http://finance.yahoo.com/news/Vote-Solar-Help-Wanted-bw-14590631.html> or <http://tinyurl.com/acxo6u> and

<http://tinyurl.com/ago2q4>

Florida: <http://www.votesolar.org/florida.html>

3-10-09 Vote Solar Initiative Analysis of Florida and Texas Job Opportunities - continued

The Vote Solar Initiative also released analysis indicating that a new solar incentive program in Texas would create significant local employment opportunities.

Press at: <http://finance.yahoo.com/news/Vote-Solar-Help-Wanted-bw-14590632.html> or <http://tinyurl.com/b3dsm5> and <http://tinyurl.com/bdj84r>

Texas: <http://www.votesolar.org/texas.html>

Vote Solar Initiative: <http://www.votesolar.org/>

3-10-09 Boulder City Solar Development Process Efficiency, Nevada

See the story "Small town making hay, Boulder City luring solar developers with open land, speedy approval process" at: <http://www.lasvegassun.com/news/2009/mar/08/small-town-making-hay/> or <http://tinyurl.com/dy4b8d>

3-10-09 Photovoltaik Institut Berlin Accreditation as Testing Lab

Photovoltaik Institut Berlin AG announced that it has received accreditation as an official ISO/IEC testing laboratory for the PV industry.

Press at: <http://www.centredaily.com/business/technology/story/1162433.html> or <http://tinyurl.com/bhhbk6>

Photovoltaik-Institut Berlin: <http://www.pi-berlin.com/>

3-10-09 RSEnergy Certification

RSEnergy has received the ISO 9001 certification by TUV Hellas.

Press at: <http://www.rsenergy.gr/en/> (News)

3-10-09 Taiwan Thin-film PV Equipment Demand

Taiwan suppliers of equipment for the solar industry expect domestic demand to take off in 2010 when many of the island's thin-film PV module makers kick off volume production.

Press at DigiTimes: <http://www.digitimes.com/news/a20090310PD201.html>

3-10-09 PV News

The March 2009 issue of PV News(TM), with articles "Utilities Drive the U.S. PV Market" and "PV 2009-2012: The Anatomy of a Shakeout", coverage of US and world PV news, this month in PV research, the analyst's corner, and other news is available from Greentech Media and the Prometheus Institute at:

<http://www.greentechmedia.com/GreentechMedia/PVNews.html>

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

3-10-09 PV America Conference

The Solar Energy Industries Association opened registration for the PV America Conference set for 8-10 June in Philadelphia at the Pennsylvania Convention Center.

Press at: <http://tinyurl.com/c6qzz2>

PV America Conference: <http://events.jspargo.com/seia09/public/enter.aspx>

3-10-09 Renewable Energy Finance Forum-Wall Street

Renewable Energy Finance Forum-Wall Street is set for 23-24 June in New York. Information at:

<http://www.reffwallstreet.com/>

Forum rates:

http://www.reffwallstreet.com/index.php?option=com_content&view=article&id=126&Itemid=63 or

<http://tinyurl.com/ckn47g>

3-10-09 Renewable Energy Zones

According to this press, U.S. Interior Secretary Ken Salazar wants to create renewable energy zones to spur solar and wind energy projects, and build power lines to get the electricity to markets.

Press at: <http://tinyurl.com/bmcyf>

<http://tinyurl.com/akkxs4>

3-10-09 Stimulus Impacts

See the story "Stimulus Plan is a Ray of Sunshine for Solar Industry" at: <http://tinyurl.com/dm6pqm>

3-10-09 Organic PV Materials and Markets

See the story "Report: OLEDs hold key for organic PV to win solar race" at Cleantech(R): <http://www.cleantech.com/news/4249/organic-pv-sales-predicted-reach-60> or <http://tinyurl.com/admr28>
NanoMarkets announced the release of the report, "Organic Photovoltaic Materials Markets: 2009 – 2016".

Press at: <http://finance.yahoo.com/news/NanoMarkets-Issues-New-Report-prnews-14583717.html> or <http://tinyurl.com/d99cw7>

NanoMarkets: <http://www.nanomarkets.net/>

3-10-09 Solar Power Assembly for Space Station

Astronauts aboard the shuttle Discovery will deliver a \$298-million solar power assembly.

Press at: <http://www.chron.com/disp/story.mpl/hotstories/6302027.html>

<http://tinyurl.com/atfmqc>

<http://tinyurl.com/c4ncvx>

In related solar news ...

3-10-09 Grupo Ibereolica, Inveravante Solar Thermal Plants

Madrid-based renewable utility Grupo Ibereolica has signed an agreement with La Coruna, Spain-based energy conglomerate Inveravante to jointly start construction of two 50-MW solar thermal power plants in Andalusia and Extremadura, Spain. The two companies plan to build and operate eight solar projects in Spain. <http://www.energycurrent.com/index.php?id=3&storyid=16579> or <http://tinyurl.com/clyw79>
<http://sev.prnewswire.com/oil-energy/20090309/FL8084409032009-1.html> or <http://tinyurl.com/b65ams>
<http://tinyurl.com/ccqe2g>

Grupo Ibereolica: <http://www.grupoibereolica.com/>

Inveravante: <http://www.inveravante.es/>

3-10-09 Stimulus and the Solar Power Dream

See the story "Obama's Stimulus Keeps the Solar Power Dream Alive for Start-ups", with coverage of BrightSource Energy, at US News & World Report: <http://tinyurl.com/b9xpdo>

BrightSource Energy: <http://www.brightsourceenergy.com/>

3-11-09 Utility-scale Thin-film Plants

See the story "Utility-Scale Thin-Film: Three New Plants in Germany Total Almost 50 MW" at RenewableEnergyWorld: <http://tinyurl.com/cv58fb>

3-11-09 Thin Films in Europe [Joshua Bull]

See the Thin Film Today article "IN-DEPTH: Spate of investments in European thin film companies depict a rosy picture" at: <http://tinyurl.com/cfxhqc>

Thin Film Today: <http://social.thinfilmtoday.com/index.php>

3-11-09 Ascent Solar Production [Brian Blackman]

Ascent Solar Technologies, Inc. announced that it has begun regular production of monolithically integrated flexible CIGS modules from its production line in Littleton, Colorado.

Press at: <http://tinyurl.com/dcwyc>

<http://tinyurl.com/cuog2u>

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

3-11-09 Hoku and Alex New Energy Polysilicon Agreement

Hoku Materials and Shanghai Alex New Energy Company, Ltd., a manufacturer of silicon solar cells, modules, and PV products, have signed a definitive \$178-million contract for Hoku's sale and delivery of polysilicon to Alex over a 10-year period beginning in early 2010. Hoku's contract with Alex represents

3-11-09 Hoku and Alex New Energy Polysilicon Agreement - continued

the resale of a portion of the polysilicon production capacity recaptured by Hoku after agreeing to amend its original supply agreement with Jiangxi Jinko Solar Company. Press at Solarbuzz:

<http://www.solarbuzz.com/News/NewsASCO422.htm>

Hoku: <http://www.hokucorp.com>

Alex New Energy: <http://tinyurl.com/bad9sb>

Jinko: <http://www.jinkosolar.com/>

3-11-09 Polysilicon Shipments

SEMI reported worldwide shipments for polysilicon consumed in the manufacture of both semiconductor and solar cell wafers for 2008. Press at: http://www.semi.org/en/Press/CTR_028736

SEMI: <http://www.semi.org>

3-11-09 LDK Solar Results

LDK Solar Co., Ltd. reported its unaudited financial results for the fourth quarter and fiscal year ended 31 December. Press at: <http://tinyurl.com/atsdao>

LDK Solar: <http://www.ldksolar.com/>

3-11-09 SCHOTT Solar AG Results, Projections

SCHOTT Solar AG reports its 2007/2008 results and offers projections for 2008/2009 in the press at:

<http://tinyurl.com/awdm32>

<http://www.schottsolar.com/global/news.html>

3-11-09 Real Goods Solar, Inc. Results

Real Goods Solar, Inc. announced results for its fourth quarter and fiscal year ended 31 December.

Press at: <http://tinyurl.com/acdhka>

Real Goods Solar: <http://www.realgoodssolar.com/>

3-11-09 ARISE Technologies Manufacturing Plant in Germany, Financial Results

ARISE Technologies Corporation announced that its PV cell manufacturing plant in Germany has produced its first PV cells on line 2 on schedule. ARISE also reported its financial results for the 2008 year-end and fourth quarter ended 31 December. Information at:

<http://www.arisetech.com/content/view/274/182/>

<http://www.arisetech.com/content/view/272/182/>

<http://www.arisetech.com/content/view/273/217/>

3-11-09 Carmanah Revenues, Operating Performance

Carmanah Technologies Corporation reported on 2008 revenues, along with operating performance.

Press at: <http://tinyurl.com/bgehh7>

http://www.carmanah.com/Company/Press_Room/News_Releases.aspx or <http://tinyurl.com/b7g3cy>

http://www.carmanah.com/Company/Investors/Financial_Reports.aspx or <http://tinyurl.com/d6ma5q>

3-11-09 Solar Integrated Technologies BIPV Contracts

Solar Integrated Technologies Inc. secured two contracts to supply and install BIPV roofing systems at the U.S. Naval Station in Guam and the Marine Corps Air Station in Yuma, Arizona.

Press at: <http://www.rttnews.com/ArticleView.aspx?id=878560&SMap=1>

Solar Integrated: <http://www.solarintegrated.com/>

3-11-09 Amtech Systems Orders

Amtech Systems, Inc. announced that its solar subsidiary, Tempres Systems, Inc., has received approximately \$3 million in follow-on solar orders for its diffusion processing systems from two customers in Asia. Press at: <http://tinyurl.com/cm06ms>

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

3-11-09 DeSolar Production Capacity Expansion

DeSolar plans to expand its annual production capacity of PV modules from 10 MWp currently to 50 MWp. Press at DigiTimes: <http://www.digitimes.com/news/a20090311PD200.html>
DeSolar: <http://www.delsolarpv.com/>

3-11-09 PV for City of Santa Barbara, California

Suntech Power Holdings Co., Ltd., in partnership with the City of Santa Barbara and Tioga Energy, announced the activation of a 384-kW DC PV system for the City. Press at: <http://tinyurl.com/bvhttt>
Suntech: <http://www.suntech-power.com/>
Tioga Energy: <http://www.tiogaenergy.com/>

3-11-09 Satcon Technology Distributed Energy Management Solutions

Satcon Technology Corporation announced the launch of Satcon Solstice(TM), a utility-grade DC architecture solution for highly efficient power conversion for large-scale solar power plants. Press at: <http://finance.yahoo.com/news/Satcon-Introduces-Solstice-bw-14603138.html> or <http://tinyurl.com/b8rvod>
Solstice: http://www.satcon.com/pv_inverters/solstice.html
Satcon: <http://www.satcon.com/>

3-11-09 Solar Power Conversion Substation

Xantrex Technology Inc. announced the launch of the Solar Power Conversion Substation for the North American market. Press at RenewableEnergyWorld: <http://tinyurl.com/byt54x>
Xantrex(TM): <http://www.xantrex.com/>

3-11-09 PV Standards

The recent PV Fab Managers Forum drew over 200 leaders and technology experts in the PV industry. An overriding message was that the goal of grid parity would be greatly helped along by the implementation of standards. Press at PV Tech: <http://tinyurl.com/bqat7v>
PV Fab Managers Forum: <http://www.semi.org/en/P040664>
SEMI-EPIA PV Technical Standards Committee:
http://www.semiconeuropa.org/ProgramsandEvents/Standards/ctr_024736 or <http://tinyurl.com/bb84d3>
See information on PV standards at PV Group: <http://www.pvgroup.org/index.htm>
SEMIViews: http://www.semi.org/en/Press/CTR_028648

3-11-09 Photovoltaics World Articles

See several new articles posted at Photovoltaics World at: <http://www.pvworld.com/index.html>

3-11-09 Printed, Organic and Flexible Electronics [Cara Van Heest]

In a report published by IDTechEx titled "Printed, Organic & Flexible Electronics Forecasts, Players & Opportunities 2009 – 2029", the opportunity for all printed and potentially printed electronics is assessed. Information at: <http://tinyurl.com/bp7vgo>
<http://www.idtechex.com/estore/order.asp?productcategoryid=176>
Printed Electronics World: <http://www.printedelectronicsworld.com/?sessionid=1>

3-11-09 Clean Edge Clean Energy Trends 2009

See information on Clean Energy Trends 2009 from Clean Edge at:
<http://www.cleandedge.com/reports/reports-trends2009.php>
<http://www.cleandedge.com/reports/charts-reports-trends2009.php>
See also, "Getting Serious About Clean-Energy Stimulus" by Ron Pernick at:
<http://www.cleandedge.com/views/>
Also, "Another Year of Banner Growth in 2008, But Clean-Energy Sector Looks to Stimulus for Help in 2009" at: <http://www.cleandedge.com/news/story.php?nID=5956>
Other Press: <http://tinyurl.com/bps8xa>
<http://tinyurl.com/aumfpc>

3-11-09 GlobalData Report on Go Solar Campaign

Research and Markets announced the addition of GlobalData's report "Go Solar Campaign – A California State Initiative" to its offering. Press at: <http://tinyurl.com/aplshd>
Research and Markets: http://www.researchandmarkets.com/research/dbd9fc/go_solar_campaign or <http://tinyurl.com/b7fmj8>

3-11-09 CEC Scoping Meetings on Renewable Energy Executive Order

The California Energy Commission issued a notice regarding scoping meetings to discuss implementing the Renewable Energy Executive Order, Facilitating Renewable Energy Development and Natural Resource Conservation Planning, for 12 March in Sacramento and 17 March in Palm Springs. Notice at: <http://www.energy.ca.gov/33by2020/documents/index.html>

3-11-09 China Thin-film Solar Cell Market Report

Research and Markets announced the addition of "China Thin-Film Solar Cell Market Report, 2008" to its offering. Press at: <http://tinyurl.com/cwwu62>
Research and Markets: http://www.researchandmarkets.com/research/e47d0e/china_thinfilm_so or <http://tinyurl.com/ce6swm>

3-11-09 Solar Power-India Report

Research and Markets announced the addition of the "Solar Power – India" report to its offering. Press at: <http://tinyurl.com/bdomxc>
Research and Markets: http://www.researchandmarkets.com/research/09f370/solar_power_indi or <http://tinyurl.com/d4ta3n>

3-11-09 IREC Connecting to the Grid Newsletter [Laurel Varnado]

The March 2009 issue of the Interstate Renewable Energy Council's Connecting to the Grid newsletter is available at: <http://www.irecusa.org/index.php?id=33>

3-11-09 Thin Film Solar Conference [Matthew Probyn]

"Thin Film Solar, Driving the thin film movement forward", is set for 28-29 April in San Francisco, California. Information at: http://www.greenpowerconferences.com/renewablesmarkets/thin_film_solar.html or <http://tinyurl.com/a3ut88>

3-11-09 Investor Events

Akeena Solar, Inc. announced its participation in two investor events in New York in March. Press at: <http://www.msnbc.msn.com/id/29617170/>
Akeena Solar: <http://www.akeena.net/cm/Home.html>

Solar Energy Initiatives, Inc. announced it will present at the B. Riley 10th Annual Los Vegas Investor Conference in Nevada in March. Press at: <http://finance.yahoo.com/news/Solar-Energy-Initiatives-Inc-bw-14602965.html> or <http://tinyurl.com/dbf3v9>

Solar Energy Initiatives: <http://www.solarenergy.com/>

3-11-09 FY 2009 Appropriations

The Senate approved the FY 2009 spending bill, which includes funding for the U.S. DOE, Solar Energy. Press at: <http://tinyurl.com/cnpwg6>
<http://tinyurl.com/dm5h5k>

3-11-09 Lockheed Martin Solar-power Testing Center, New Jersey

According to this press, Lockheed Martin is hoping to open its solar-power testing center on Earth Day, April 22. The company will use the Solar System Test and Engineering Site Array to research solar technology. Lockheed teamed with Starwood Energy Group in November 2007 to pursue contracts to construct large-scale solar-generation facilities across North America. Press at: <http://tinyurl.com/dbcqpr>
Starwood Energy Group: http://www.starwoodenergygroup.com/press_releases.php

In related solar news...

3-11-09 ACCIONA Starting on Third CSP Plant in Spain

ACCIONA Energy has started construction work on a 50-MW CSP plant at Majadas de Tietar (Caceres) representing an investment of 237 million euros. It is the third CSP plant built by ACCIONA in Spain.

Press at Solarbuzz: <http://www.solarbuzz.com/News/NewsEUPR587.htm>

ACCIONA: <http://www.acciona.es/>

3-11-09 Solar-powered Turbine Generators

See the story "IN-DEPTH: Assessing the progress made by solar-powered turbine generators" at CSP

Today: <http://tinyurl.com/ccsfye>

CSP Today: <http://social.csptoday.com/node>

3-12-09 Suntech and 3rd Rock Systems & Technologies Strategic Alliance

Suntech Power Holdings Co., Ltd. and 3rd Rock Systems & Technologies, Inc. announced that they have established a strategic alliance in connection with the development of an initial 7.2 MW of solar systems in the U.S. Press at: <http://finance.yahoo.com/news/Suntech-and-3rd-Rock-Announce-prnews-14614779.html> or <http://tinyurl.com/b6l5rc>

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

3rd Rock Systems & Technologies, Inc.: <http://www.3rdrock.us/>

3-12-09 Elmarco New Generation of Solar Cells

Czech nanotechnology designer Elmarco said it is developing a new generation of solar cells that can be incorporated into thin, flexible and transparent films.

Press at: <http://www.interfax.com/5/478257/news.aspx>

Elmarco: <http://www.elmarco.com/>

3-12-09 Gintech Subsidiary

Gintech Energy has established a subsidiary, Apos Energy Corporation, specifically for marketing crystalline silicon PV modules under Apos' own brand. Press at DigiTimes:

<http://www.digitimes.com/news/a20090312PD200.html>

Gintech: <http://www.gintech.com.tw/>

<http://www.gintechenergy.com/en/>

3-12-09 Kenmec Mechanical Engineering a-Si Production Line

Kenmec Mechanical Engineering will roll out its first turnkey production line for amorphous silicon thin-film PV modules in May 2009. Press at DigiTimes: <http://www.digitimes.com/news/a20090312PD201.html>

Kenmec Mechanical Engineering: <http://www.kenmec.com/003/about05.aspx>

3-12-09 Roth & Rau Silicon Solar Cell Production Line at University of New South Wales

Roth & Rau AG plans to construct a state-of-the-art silicon solar cell production line at the University of New South Wales, Australia. Press at PV Tech: <http://tinyurl.com/ajpmlh> and

<http://tinyurl.com/bbvbkv>

Roth & Rau: <http://tinyurl.com/ap6d9j>

3-12-09 ReneSola Results

ReneSola announced fourth quarter and full year 2008 results. Press at Solarbuzz:

<http://www.solarbuzz.com/News/NewsASCO424.htm>

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

3-12-09 Dyesol-Timo Manufacturing Progress

Manufacture of the remaining equipment for the pilot plant for Dyesol-Timo, the Korean joint venture between Dyesol Limited and Timo Technology Co., Ltd., is underway in the Australian factory of Dyesol Limited. More on the progress towards Dyesol-Timo manufacturing at: <http://tinyurl.com/cmooam>

Dyesol: <http://www.dyesol.com/>

Timo Technology: <http://www.timo.co.kr/>

3-12-09 Dye-sensitized Solar Cells

See the story "Cheap, Durable Nonsilicon Solar Cells, An advanced dye boosts the efficiency of dye-sensitized solar cells" at MIT Technology Review: <http://www.technologyreview.com/energy/22279/>

3-12-09 IREC State & Stakeholder Newsletter [Jane Pulaski]

The latest issue of the Interstate Renewable Energy Council's State & Stakeholder Newsletter, with coverage of state/local headlines, an interview of the week, current and best practices, grants/RFPs, events, and other news, is available at: <http://www.irecusa.org/index.php?id=11>

3-12-09 More on Renewable Energy Zones

See the press "Secretary Salazar Issues Order to Spur Renewable Energy Development on U.S. Public Lands, Energy Zones a Key to New Initiative" at: <http://tinyurl.com/dxfz22>

3-12-09 PHOTON International Contents

The table of contents for the February issue of PHOTON International, as well as several live links for March 2009, are posted at: <http://www.photon-magazine.com/>
<http://www.photon-magazine.com/photon/index.htm>

3-12-09 Meeting Energy Needs in Europe with Solar in the Sahara

All of Europe's energy needs could be met by covering an area in the Sahara Desert with solar panels, it was announced in Copenhagen. Story at PV Tech: http://www.pv-tech.org/news/a/solar_farms_in_the_sahara_could_power_all_of_europe/ or <http://tinyurl.com/bl5tmq>
Additional press: <http://www.timesonline.co.uk/tol/news/environment/article5887597.ece> or <http://tinyurl.com/cuweec>

3-12-09 Solar Energy in India

See "India left with no choice but to leverage solar energy, reports iSuppli" at: <http://tinyurl.com/cfgnu8>
iSuppli: <http://www.isuppli.com/MarketWatchDetail.aspx?ID=337>

3-12-09 Incentives in Italy

Government incentives in Italy are encouraging start-ups such as the launch of PV panel maker V-energy. See "Italy's solar power flourishes with state help" at Reuters: <http://tinyurl.com/dk62ct>
See also "FACTBOX – Italian solar sector set for rapid growth" at Reuters: <http://tinyurl.com/b3235q>

3-12-09 Phoenix As Silicon Valley of Solar Energy, Arizona

The Phoenix area can become the Silicon Valley of solar energy, says Mayor Gordon. Press at: <http://www.bizjournals.com/phoenix/stories/2009/03/09/daily49.html> and <http://tinyurl.com/cwruhs>
Mayor Gordon: <http://www.mayorgordon.com/home/index.cfm>

3-12-09 Energy [R]evolution: A Sustainable U.S.A. Energy Outlook

See the story "Greenpeace energy report projects cheap, clean power – and more jobs" at: <http://latimesblogs.latimes.com/greenspace/2009/03/cheap-clean-pow.html> or <http://tinyurl.com/djdw32>
Report: <http://www.greenpeace.org/usa/campaigns/global-warming-and-energy/energyrevolution> or <http://tinyurl.com/ck9akb>

3-12-09 Cost Reduction Measures at SEMI

SEMI has taken a number of cost-reduction measures, according to press at PV Tech: <http://tinyurl.com/cu6qog>

3-12-09 Solar Energy Jobs Initiative, Perspective

See "Solar Energy Jobs Initiative" at RenewableEnergyWorld: <http://tinyurl.com/cn4fhh>

3-12-09 SOLARCON China 2009

SOLARCON China 2009 is set for 17-19 March in Shanghai. Dr. Charles Gay, President Applied Solar Business, will deliver the keynote presentation "New policy and development programs accelerating renewable energy in the United States". Press at: <http://tinyurl.com/aurldd>
Conference information: <http://www.semi.org.cn/solarconchina/en/>
Applied Materials: <http://www.appliedmaterials.com/>

3-12-09 ACORE Renewable Energy Teleconference Series [Dawn Butcher]

See information on the ACORE Renewable Energy Teleconference, "What the Stimulus Means for Renewables: Viewpoints of Key Players" set for 18 March at: <http://65.181.148.190/renewableenergyinfo/>

3-12-09 ASES National Solar Conference [Becky Campbell-Howe]

The ASES National Solar Conference, SOLAR 2009, is set for 11-16 May in Buffalo, New York. Information at: http://www.ases.org/index.php?option=com_content&view=article&id=18&Itemid=18 or <http://tinyurl.com/67vcrx>

3-12-09 Global Market Review of PV Power Generation

Research Analysts has published "Global Market Review of Solar Photovoltaic Power Generation". Information at: <http://www.researchanalysts.co.uk/publications/>

3-12-09 North American Non-Residential Solar Power Markets

Research and Markets announced the addition of Frost & Sullivan's report "North American Non-Residential Solar Power Markets" to its offering. Press at: <http://finance.yahoo.com/news/Research-and-Markets-A-bw-14617313.html> or <http://tinyurl.com/ako65h>
Research and Markets: <http://tinyurl.com/cce228>

In related solar news...

3-12-09 Salt-free CSP Tower

See the story "Salt-Free Solar: CSP Tower Using Air" at RenewableEnergyWorld: <http://tinyurl.com/b2xvmg>
atel: <http://tinyurl.com/b8mnc6>

3-12-09 Atmospheric Sunshade

The concept of delaying global warming by adding particles into the upper atmosphere to cool the climate could unintentionally reduce peak electricity generated by large solar power plants by as much as one-fifth, according to a new NOAA study. Press at Science Daily: <http://www.sciencedaily.com/releases/2009/03/090311124022.htm>
NOAA: http://www.noaanews.noaa.gov/stories2009/20090311_sunshade.html or <http://tinyurl.com/dbbt7b>

3-12-09 EPRI, Utilities Study on Adding Solar to Existing Power Plants

The Electric Power Research Institute and a number of utilities are studying the potential of adding solar power to existing power plants to help cut their greenhouse gas emissions. More on these projects at EERE Network News [Kevin Eber]: http://apps1.eere.energy.gov/news/news_detail.cfm/news_id=12287
<http://apps1.eere.energy.gov/news/enn.cfm>

3-13-09 Solar-Fabrik Preliminary Results

Solar-Fabrik AG released preliminary, unaudited consolidated group results as of 31 December. Press at Solarbuzz: <http://www.solarbuzz.com/News/NewsEU0735.htm>
Solar-Fabrik Group: <http://solar-fabrik.com/>

3-13-09 Advanced Solar Photonics LLC Production Plant

Advanced Solar Photonics LLC will build a solar panel plant in Florida. The factory, SolarFab(TM), should be operating by late 2009 and once complete will produce up to 40 MW annually. Press at: <http://tinyurl.com/bko26j>
Advanced Solar Photonics: <http://www.advancedsolarphotonics.com/>
January 8 Press: http://www.advancedsolarphotonics.com/press/press_releases.html

3-13-09 Entech Solar Agreement with Fraunhofer USA

Entech Solar announced that it has entered into a research contract with Fraunhofer USA's Center for Sustainable Energy Systems to evaluate the feasibility of incorporating high-efficiency back-contact silicon solar cells into Entech's 20x concentrating solar systems. Press at: <http://tinyurl.com/cqcn36>
Entech Solar: <http://www.entsolar.com/>
Fraunhofer Center for Sustainable Energy Systems: <http://www.fraunhofer-cse.org/>

3-13-09 juwi Headquarters Expansion, Germany

The juwi Group is expanding its company headquarters in Worrstadt, Rhineland-Palatinate. Press at: <http://tinyurl.com/catr7t>
juwi: <http://www.juwi.com/>

3-13-09 Growth at ASYS Solar

See "Growth at ASYS Solar in 2008" at: <http://www.emsnow.com/npps/story.cfm?pg=story&id=38981>
ASYS Group: <http://www.asys.de/asys-group/?lang=EN>

3-13-09 Carmanah Grid-tie System for Toronto Parking Authority, Canada [Anthony Tisot]

The Toronto Parking Authority in Ontario is installing a \$248,000 solar-powered grid-tie system from Carmanah Technologies Corporation. Press at: <http://tinyurl.com/c8r54q>
<http://www.solarforbuildings.com/>

3-13-09 Global Solar and Dow Chemical Solar Shingles Project

Global Solar Energy and Dow Chemical have been working together for a year on a solar shingles project. Press coverage at: <http://www.energycurrent.com/index.php?id=3&storyid=16692>
Global Solar: <http://www.globalsolar.com/index.php>
February press: <http://tinyurl.com/c933po>
Dow 2008: <http://news.dow.com/prodpub/2008/20080423a.htm>

3-13-09 Spot Price of 6-inch Poly-Si Wafers

According to DigiTimes, China-based makers of solar-grade 6-inch poly-Si wafers have pushed the spot price to below US\$5 per unit in mid-March. Press at: <http://tinyurl.com/c7x4qy>

3-13-09 New Feed-in Rates in Ontario, Canada

Ontario is poised to introduce new electricity pricing to encourage the development of renewable energy from a diverse range of producers including homeowners, community-based groups and larger scale commercial generators. Press at Solarbuzz: <http://www.solarbuzz.com/News/NewsNAGO385.htm>

3-13-09 Advanced Energy Cost Reductions

Advanced Energy Industries, Inc. announced cost reductions. Press at: <http://tinyurl.com/bs3w8w>
Advanced Energy: <http://www.advanced-energy.com/>

3-13-09 CPV Today Newsletter [Joshua Bull]

The latest issue of the CPV Today Newsletter is available at:
http://www.cpvtoday.com/newsletters/cpvtoday_newsletter_694_2009-03-12.html or
<http://tinyurl.com/dbwanp>

3-13-09 BIPV Summit

The BIPV Summit is set for 6-8 April in San Diego, California. Press at:
<http://www.msnbc.msn.com/id/29656407/>
Event information: <http://www.infocastinc.com/index.php/conference/bipv>

3-13-09 Jefferies Global Clean Technology Conference

The Jefferies 7th Annual Global Clean Technology Conference is set for March 17 in New York City.

<http://www.jefferies.com/cositemgr.pl/html/OurFirm/ConferencesEvents/index.shtml> or

<http://tinyurl.com/5h3zbo>

In related solar news...

3-13-09 EuPD Research CSP Study [Daniel Pohl]

See "CSP Survey: Industry report helps reduce site selection risks" at EuPD Research:

<http://tinyurl.com/b9lwub>

EuPD Research: <http://www.eupd-research.com/en/home/>