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## ENERGY AND CLEAN TECH CONNECTIONS

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**Thomas R. Burton III**

Chair

Energy and Clean Technology (Boston)

(617) 348-3097

[TRBurton@mintz.com](mailto:TRBurton@mintz.com)

**Brady Berg**

Member

Corporate (Palo Alto)

(650) 251-7758

[BBerg@mintz.com](mailto:BBerg@mintz.com)

**Evan M. Bienstock**

Corporate (Boston)

(617) 348-3090

[EMBienstock@mintz.com](mailto:EMBienstock@mintz.com)

**Travis L. Blais**

Tax (Boston)

(617) 348-1684

[TLLBlais@mintz.com](mailto:TLLBlais@mintz.com)

**Faith L. Charles**

Member

Corporate (New York)

(212) 692-6770

[FLCharles@mintz.com](mailto:FLCharles@mintz.com)

**Ralph A. Child**

Member

Environmental (Boston)

(617) 348-3021

[RChild@mintz.com](mailto:RChild@mintz.com)

**Jonathan M. Cosco**

Real Estate (Boston)

(617) 348-4727

## Energy and Clean Tech Connections

March 2009

### Introduction

This month, Mintz Levin is pleased to unveil a newly reorganized *Energy and Clean Tech Connections* designed to help our clients and friends better understand the rapidly changing incentives landscape. We created a new section to highlight [Privately Sourced Financial Grants](#), and expanded our coverage of [Government Financial Assistance](#) to include [Tax Incentives and Rebates](#) in addition to [Grants](#). The [Federal and State Happenings](#) section has also been refocused to hone in on state and federal government affairs, recent and upcoming legislation, and newly created financial incentives.

In federal news, two important regulatory proposals were put on the table this month. First, the EPA announced a proposal to create a “comprehensive national system” for greenhouse gas emissions reporting, which would lay a foundation for the creation of a cap-and-trade system for carbon emissions. In addition, Senate Majority Leader Harry Reid introduced legislation that would increase federal power over electric transmission lines, allowing the federal government to speed the siting of transmission lines carrying renewable energy from rural areas to population centers. For more information, see the [Federal and State Happenings](#) section.

Mintz Levin would like to congratulate our client [FourFold Design](#), which recently launched its sustainable architecture and interior design services. In addition, we are pleased to announce that Travis Blais, a tax attorney in Mintz Levin’s Energy and Clean Technology practice group, was quoted in an article in the *BNA Daily Tax Report* that highlights differences in the ways the stimulus plan will benefit different green energy manufacturers.

We hope that you enjoy this month’s edition of the newsletter.

**David F. Crosby**

Member  
Intellectual Property (Boston)  
(617) 348-1830  
[DFCrosby@mintz.com](mailto:DFCrosby@mintz.com)

**Julian Crump**

Managing Partner, Member  
Intellectual Property (London)  
+44 (0) 20 7776 7302  
[JCrump@mintz.com](mailto:JCrump@mintz.com)

**Daniel I. DeWolf**

Member  
Co-Chair, Venture Capital and  
Emerging Companies (New York)  
(212) 692-6223  
[DDeWolf@mintz.com](mailto:DDeWolf@mintz.com)

**David P. Dutil**

Member  
Corporate (Washington)  
(202) 434-7425  
[DDutil@mintz.com](mailto:DDutil@mintz.com)

**Susan L. Foster, Ph.D.**

Corporate (London)  
+44 (0) 20 7776 7330  
[SFoster@mintz.com](mailto:SFoster@mintz.com)

**Jeremy D. Glaser**

Member  
Corporate (San Diego)  
(858) 314-1515  
[JDGlaser@mintz.com](mailto:JDGlaser@mintz.com)

**Jeremy B. Hayden**

Of Counsel  
Corporate (San Diego)  
(858) 314-1524  
[JBHayden@mintz.com](mailto:JBHayden@mintz.com)

**Irwin M. Heller**

Member  
Corporate (Boston)  
(617) 348-1654  
[IHeller@mintz.com](mailto:IHeller@mintz.com)

**Katherine Comer Holliday**

Of Counsel  
Corporate (Boston)  
(617) 348-1796  
[KHolliday@mintz.com](mailto:KHolliday@mintz.com)

**Richard A. Kanoff**  
Of Counsel

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## In the News: United States

### Forward Osmosis: Can a Startup Reverse Desalination?

*Greentech Media* - February 17, 2009

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### A Smart Grid for Water

*Greentech Media* - February 18, 2009

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### VCs Evolve Role in Cleantech

*Cleantech Group* - February 24, 2009

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### Mascoma Makes Ethanol from Wood - At Small Scale

*CNET News* - February 26, 2009

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### Nine Leading Biomass Companies Form Biomass Thermal Energy Council

*Renewable Energy World* - March 10, 2009

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### Think Delays U.S. Expansion Plans to Mid-2010

*Cleantech Group* - March 10, 2009

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### 2.65M in Solar and Wind Jobs by 2018?

Energy Regulatory and  
Project Development (Boston)  
(617) 348-3070  
[RAKanoff@mintz.com](mailto:RAKanoff@mintz.com)

**Patrick J. Kealy**  
Corporate (Boston)  
(617) 348-1679  
[PJKealy@mintz.com](mailto:PJKealy@mintz.com)

**Jonathan L. Kravetz**  
Member  
Chair, Securities Practice Group (Boston)  
(617) 348-1674  
[JLKravetz@mintz.com](mailto:JLKravetz@mintz.com)

**Carl A. Kukkonen III**  
Member  
Intellectual Property (San Diego)  
(858) 314-1535  
[CAKukkonen@mintz.com](mailto:CAKukkonen@mintz.com)

**Cynthia J. Larose**  
Member  
Corporate (Boston)  
(617) 348-1732  
[CJLarose@mintz.com](mailto:CJLarose@mintz.com)

**David J. Leiter**  
Senior Executive Vice President  
of Government Relations  
ML Strategies (Washington)  
(202) 434-7346  
[DJLeiter@mlstrategies.com](mailto:DJLeiter@mlstrategies.com)

**Jeffrey A. Moerdler**  
Member  
Real Estate, Communications,  
Environmental (New York)  
(212) 692-6700  
[JAMoerdler@mintz.com](mailto:JAMoerdler@mintz.com)

**David L. O'Connor**  
Senior Vice President for  
Energy and Clean Technology  
ML Strategies (Boston)  
(617) 348-4418  
[DOConnor@mlstrategies.com](mailto:DOConnor@mlstrategies.com)

**Jeffrey R. Porter**  
Member  
Environmental (Boston)  
(617) 348-1711  
[JPorter@mintz.com](mailto:JPorter@mintz.com)

**Jennifer Sacco Smith**  
Real Estate (Boston)  
(617) 348-1678

*Greentech Media* - March 10, 2009

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<http://www.jdsupra.com/post/documentViewer.aspx?fid=3971ca24-d6cb-4d14-805a-b3ce37091d50>

## **S&P Forms Carbon Efficiency Index**

*Greentech Media* - March 9, 2009

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## **Bosch Joins Investors in SynapSense**

*Greentech Media* - March 9, 2009

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## **Ecotality and Nissan Team on EV Charging Tech**

*Greentech Media* - March 6, 2009

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## **SunEdison Closes U.S. \$20M in Project Financing**

*Renewable Energy World* - March 4, 2009

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## **Armed for Battle: First Solar vs. SunPower vs. Suntech**

*Greentech Media* - March 4, 2009

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## **In Search of the Google of Green Tech**

*CNET News* - March 4, 2009

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## **eSolar's Transformation Continues with Indian Deal**

*Greentech Media* - March 3, 2009

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## **Sage Electrochromics Secures U.S. \$20M**

*Renewable Energy World* - March 2, 2009

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## **Nexterra Launches U.S. \$30M Program to Commercialize Biogas System**

*Renewable Energy World* - March 2, 2009

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[JSaccoSmith@mintz.com](mailto:JSaccoSmith@mintz.com)

**Chuck A. Samuels**

Member  
Federal/Energy Efficiency (Washington)  
(202) 434-7311  
[CASamuels@mintz.com](mailto:CASamuels@mintz.com)

**Paul Scapicchio**

Senior Vice President  
of Government Relations  
ML Strategies (Boston)  
(617) 348-3031  
[PJScapicchio@mlstrategies.com](mailto:PJScapicchio@mlstrategies.com)

**Gabriel Schnitzler**

Real Estate (Palo Alto)  
(650) 251-7720  
[GSchnitzler@mintz.com](mailto:GSchnitzler@mintz.com)

**Sahir C. Surmeli**

Member  
Corporate (Boston)  
(617) 348-3013  
[SSurmeli@mintz.com](mailto:SSurmeli@mintz.com)

**Stanley A. Twarog**

Member  
Corporate (Boston)  
(617) 348-1749  
[STwarog@mintz.com](mailto:STwarog@mintz.com)

**Paula J. Valencia-Galbraith**

Corporate (Boston)  
(617) 210-6854  
[PVGalbraith@mintz.com](mailto:PVGalbraith@mintz.com)

**Michael D. Van Loy, Ph.D.**

Intellectual Property (San Diego)  
(858) 314-1559  
[MDVanLoy@mintz.com](mailto:MDVanLoy@mintz.com)

**Maureen J. Walsh**

Director of Federal Government Relations  
ML Strategies (Washington)  
(202) 434-7388  
[MJWalsh@mlstrategies.com](mailto:MJWalsh@mlstrategies.com)

**Scott C. White**

Corporate (San Diego)  
(858) 314-1511  
[SCWhite@mintz.com](mailto:SCWhite@mintz.com)

**Peter B. Zlotnick**

Member  
Litigation (New York)  
(212) 692-6887

## Greentech Weathers Economic Storm

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<http://www.jdsupra.com/post/documentViewer.aspx?fid=3971ca24-d6cb-4d14-805a-b3ce37091d50>  
Greentech Media - February 26, 2009

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## First Solar Reaches U.S. \$1 Per Watt Milestone

*Renewable Energy World* - February 25, 2009

[More info...](#)

## GroSolar Grows with Purchase of Borrego Solar

*Mass High Tech* - February 19, 2009

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## Verenium, BP Pony Up First \$45M for Joint Venture

*Mass High Tech* - February 19, 2009

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## In the News: Europe

### Britain's Rivers Called On to Provide Renewable Energy

*The Times* - March 11, 2009

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### Utility-Scale Thin-Film: Three New Plants in Germany Total Almost 50MW

*Renewable Energy World* - March 11, 2009

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### Nuclear Power Plants Being Revived Worldwide

*Chicago Tribune* - March 11, 2009

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### Supermarket Buys Into East of England Anaerobic Digestion Plant

*Business Weekly* - March 10, 2009

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### Spanish Windmills Tilt Country towards Cleaner Green Energy

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## **Green Projects Face Carbon Credit Crunch**

*The Sunday Times* - March 8, 2009

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## **Green Shift Demands Root and Branch Changes**

*The Times* - March 6, 2009

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## **Four Top E.U. Wind Developers Join Forces for 25GW Project**

*Cleantech Group* - February 27, 2009

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## **Crown Estate Awards Scottish Offshore Wind Sites**

*Renewable Energy World* - February 26, 2009

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## **IBM Tests Smart Charging in Denmark**

*Greentech Media* - February 25, 2009

[More info...](#)

## **Aquamarine to Develop 1GW of Ocean Energy**

*Renewable Energy World* - February 24, 2009

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## **Spain Kicks Off New Solar Feed-In Tariffs**

*Greentech Media* - February 20, 2009

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## **Government Financial Assistance**

### ***Grants***

## **Enhanced Geothermal Systems Component Research and Development/Analysis**

DOE is seeking advanced technology to address key aspects of

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engineered reservoir creation, management, and utilization identified in the GTP Multi-Year Research, Development, and Demonstration (MYRDD) plan. Projects are sought to develop innovative technology for cost-effective creation, management, and utilization of Enhanced Geothermal Systems (EGS) in reservoir environments. Projects will be evaluated based on their ability to advance technology toward ultimate, specific target specifications to drive market development of EGS. Teaming between academia, industry, and National Laboratories/Federally Funded Research and Development Centers (FFRDCs) is encouraged.

**Application Deadline:** April 30, 2009

[More info...](#)

### Enhanced Geothermal Systems Demonstration

The Geothermal Technologies Program (GTP) is seeking projects in a variety of geologic formations that will quantitatively demonstrate and validate stimulation techniques that successfully sustain sufficient fluid flow and heat extraction rates for 5-7 years that produce at least 5 MWe per year per project site/geothermal reservoir. DOE will also consider projects to further characterize, stimulate, and validate underutilized geothermal resources, particularly in urban and rural regions with high electricity costs such as Alaska, Hawaii, the eastern U.S., Indian Reservations, etc.

**Application Deadline:** May 14, 2009

[More info...](#)

### Advanced Technology Vehicles Manufacturing Loan Program

Section 136 of the Energy Independence and Security Act of 2007 (EISA) provided DOE with funding to make up to \$25 billion in direct loans to eligible applicants for the costs of reequipping, expanding, and establishing manufacturing facilities in the United States to produce advanced technology vehicles, and components for such vehicles. These vehicles must provide meaningful improvements in fuel economy performance.

**Application Deadline:** March 31, 2009, and every 90 days thereafter as long as authority remains to make additional loans

[More info...](#)

### Demonstration of Integrated Biorefinery Operations

The DOE has announced the issuance of a Funding Opportunity Announcement (FOA) for up to \$200 million over six years (FY 2009 – FY 2014), subject to annual appropriations, to support the development of pilot and demonstration-scale biorefineries, including the use of feedstocks such as algae and production of advanced biofuels such as bio-butanol, green gasoline, and other innovative biofuels.

The FOA has two topic areas for biorefinery development:

- Pilot-scale, minimum throughput of one dry tonne of feedstock per day with a minimum non-federal cost-share of 30 percent.
- Demonstration-scale minimum throughput of 50 dry tonnes of feedstock per day, with a minimum non-federal cost-share at 50 percent.

DOE anticipates making approximately 5-12 awards under this announcement, depending on the topic area and size of awards.

**Application Deadline:** Mandatory letters of intent - February 20, 2009; completed applications - April 30, 2009

[More info...](#)

## Biomass Research and Development Initiative

The DOE and USDA today announced up to \$25 million in funding for research and development of technologies and processes to produce biofuels, bioenergy, and high-value biobased products, subject to annual appropriations.

USDA and DOE are issuing this joint funding opportunity announcement (FOA) for several types of projects aimed at increasing the availability of alternative renewable fuels and biobased products. The projects will aim to create a diverse group of economically and environmentally sustainable sources of renewable biomass. Advanced biofuels produced from these types of sources are expected to reduce greenhouse gas emissions by a minimum of 50 percent.

The FOA will fund projects in the following three technical areas specified in the Food, Conservation, and Energy Act (FCEA) of 2008:

- Feedstocks development;
- Biofuels and biobased products development; and
- Biofuels development analysis.

Award amounts are planned to range from \$1 million up to \$5 million with project periods up to four years, subject to annual appropriations. Eligible applicants include institutions of higher education, national laboratories, federal research agencies, state research agencies, private sector entities, non-profit organizations, or a consortium of two or more of those entities.

**Application Deadline:** June 11, 2009

[More info...](#)

## Massachusetts Technology Collaborative Sustainable Energy Economic Development (SEED)

SEED supports the growth and commercialization of renewable energy technologies in Massachusetts. SEED provides flexible capital to early-stage companies for new renewable energy-related product development and facilitates companies' access to private capital.

Since 2004, SEED has made 15 awards, totaling \$4.9 million. Seven

of the companies have received significant funding from private investors after SEED closing. The SEED companies currently have a total known valuation of \$237 million and support 150 jobs in Massachusetts.

**Application Deadline:** Rolling

[More info...](#)

### Massachusetts Technology Collaborative Business Expansion Initiative (BEI)

BEI supports the development and expansion of the production capacity of renewable energy technology firms in Massachusetts. BEI provides secured debt capital to expansion-stage companies for new renewable energy product design and manufacturing financing. BEI loans may only be made to companies located within Massachusetts.

**Application Deadline:** Rolling

[More info...](#)

### Massachusetts Technology Collaborative Large Onsite Renewables Initiative

The Large Onsite Renewables Initiative (LORI) awards grants for feasibility studies and design and construction projects of qualifying renewable energy systems greater than 10 kW. A project is eligible for funding if it is located at a commercial, industrial, institutional, or public site, and if the electric system will be served by a Massachusetts investor-owned electric utility company or a municipal Light Plant Department that pays into the Renewable Energy Trust. Qualifying renewable energy technologies include wind energy, fuel cells, hydroelectric, landfill gas, and advanced biomass power conversion technologies.

**Application Deadline:** Rolling

[More info...](#)

### Massachusetts Green Energy Fund

The Fund's focus on Massachusetts clean energy companies allows its investors an opportunity to capitalize on two emerging trends: the growing level of investment interest in clean energy and the importance of Massachusetts' academic and corporate R&D in forming clean energy technology companies.

The Fund invests in Massachusetts-based renewable energy companies able to achieve strong financial returns, including businesses engaged in solar photovoltaic power, wind power, biomass, biofuels, fuel cells, landfill gas, low-impact hydro, ocean and tidal power, energy storage, grid information technologies, and other enabling technologies that promote the expanded use of renewable energy. The Fund will also consider investment in renewable energy companies willing to relocate to Massachusetts or having substantial operations based in the state.

## Unsolicited Proposals to the Massachusetts Renewable Energy Trust's Industry Investment and Development (II&D) Program

The Industry Investment and Development (II&D) Program accepts Unsolicited Proposals for financial assistance for unique projects, ideas, methods, or approaches that don't fit into the existing II&D initiatives. These proposals are submitted by individuals, businesses, and organizations solely at the proposer's initiative and/or timing, rather than in response to a Massachusetts Renewable Energy Trust (the Trust) solicitation or Request for Proposals (RFP). Funding of Unsolicited Proposals is considered a noncompetitive, discretionary action of the Board of Directors of the Massachusetts Technology Collaborative (MTC), the administrator of the Trust. Unsolicited Proposals are expected to provide extraordinary and unique benefits.

**Application Deadline:** Rolling

[More info...](#)

## Focus on Energy Renewable Program Incentives and Grants

Focus on Energy, Wisconsin's energy efficiency and renewable energy initiative, announced that it is offering large, one-time-only grants to help finance the installation of innovative renewable energy systems. Funds will be awarded on a competitive basis and are meant to support one project in each of the following technologies:

- **Industrial or Municipal Anaerobic Digesters and Biomass Combustion:** These grants will fund the installation of a commercially available anaerobic digester system and a biomass combustion system in the US \$2–4 million range. The grant will reward up to 25% of the installed project cost, or a maximum of U.S. \$500,000.
- **Solar Water Heating:** This grant will fund the installation of a solar hot-water system that offsets more than 10,000 therms per year. The grant will reward up to 25% of the installed project cost for tax-paying entities and up to 35% for non-profits, or a maximum of U.S. \$100,000.
- **Solar Electric:** This grant will fund the installation of a PV system that produces more than 50 kilowatts (kW) per year. The grant will reward up to 25% of the installed project cost for tax-paying entities and up to 35% for non-profits, or a maximum of U.S. \$100,000.
- **Wind Energy:** This grant will provide financial support for the installation of one commercially available wind-energy system that demonstrates a new type of turbine, has a special type of application and/or provides very high visibility and educational value. To be eligible the project must produce 20 kW to 100 kW per year. This grant will reward up to 35% of the installed project cost, or a maximum of U.S. \$100,000.

## ***Tax Incentives and Rebates***

### **Federal Modified Accelerated Cost Recovery System**

Section 168 (e)(3)(b) of the Internal Revenue Code provides a specific depreciation deduction for solar, wind, and geothermal property. The MACRS establishes a set of class lives for various types of property, ranging from three to 50 years, over which the property may be depreciated. For solar, wind, and geothermal property placed in service after 1986, the current MACRS property class is five years. For certain biomass property, the MACRS property class life is seven years. Eligible biomass property generally includes assets used in the conversion of biomass to heat or to a solid, liquid, or gaseous fuel, and to equipment and structures used to receive, handle, collect, and process biomass in a waterwall, combustion system, or refuse-derived fuel system to create hot water, gas, steam, and electricity.

[More info...](#)

### **Federal Business Investment Tax Credit**

26 USC § 48 allows up to a 30% credit to the commercial, industrial, and utility sector. Solar, fuel cells, and small wind are eligible for a 30% credit. Geothermal, microturbines, and CHP are eligible for a 10% credit. The maximum incentive is \$1,500 per 0.5 kW for fuel cells; \$200 per kW for microturbines; and \$4,000 maximum credit for small wind. No maximum is specified for other technologies.

#### **Eligible System Size:**

- Small wind turbines: 100 kW or less
- Fuel cells: 0.5 kW or greater
- Microturbines: 2 MW or less
- CHP: 50 MW or less

[More info...](#)

### **Federal Renewable Power Production Tax Credit**

Residential and business generators of renewable power may be entitled to a credit of 1.5 cents per kWh of energy produced by qualified sources, including new solar, wind, geothermal (with certain restrictions), biomass, landfill gas, livestock methane, or ocean (including tidal, wave, current, and thermal) generation technologies. Fuel cells using hydrogen derived from eligible biomass facilities are also eligible. See 42 USC § 13317.

[More info...](#)

### **Federal Tax Credits for Home Builders**

Home builders are eligible for a \$2,000 tax credit for a new energy-

efficient home that achieves 50% energy savings for heating and cooling over the 2004 International Energy Conservation Code (IECC) and supplements. At least 1/5 of the energy savings must come from building envelope improvements. This credit also applies to contractors of manufactured homes conforming to Federal Manufactured Home Construction and Safety Standards.

There is also a \$1,000 tax credit to a producer of a new manufactured home achieving 30% energy savings for heating and cooling over the 2004 IECC and supplements (at least 1/3 of the savings must come from building envelope improvements), or a manufactured home meeting the [requirements](#) established by EPA under the ENERGY STAR program.

Please note that, with the exception of the tax credit for an ENERGY STAR qualified manufactured home, these tax credits are not directly linked to ENERGY STAR. Therefore, a builder of an ENERGY STAR qualified home may be eligible for a tax credit, but it is not guaranteed.

These tax credits apply to new homes located in the United States whose construction is substantially completed after August 8, 2005, and that are acquired from the eligible contractor for use as a residence from January 1, 2006 through December 31, 2009.

[More info...](#)

### **Federal Tax Deductions for Commercial Buildings**

A tax deduction of up to \$1.80 per square foot is available to owners or designers of new or existing commercial buildings that save at least 50% of the heating and cooling energy of a building that meets ASHRAE Standard 90.1-2001. Partial deductions of up to \$.60 per square foot can be taken for measures affecting any one of three building systems: the building envelope, lighting, or heating and cooling systems. These tax deductions are available for systems "placed in service" from January 1, 2006 through December 31, 2013.

[More info...](#)

### **Massachusetts Alternative Energy and Energy Conservation Patent Deduction (Personal and Corporate)**

Any Massachusetts resident who has applied for, or holds a patent for, an alternative energy or energy conservation system or device may petition the Commissioner of Energy Resources for determination that such patent is "...of economic value, practicable, and necessary for the convenience and welfare of the Commonwealth." If the Commissioner approves such a patent, any income received from the sale, lease, or other transfer of such patent, including royalty income, and any sale, lease or other transfer of property or materials manufactured in the Commonwealth subject to such patent, shall be deducted from state personal income tax or corporate excise tax. Said deduction shall extend for a period no longer than five years from the date of issuance of the U.S. patent or the date of approval by the Commissioner of Energy Resources,

whichever expires first (M.G.L. c.62, sec. 2(a)(2)(G), and c.63, sec.30 (3)).

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## Massachusetts Hydropower-Property Tax Exemption

Hydropower facilities are exempt from local property tax for a period of 20 years from the date of completion of the construction of such a facility, if construction of the facility commences after January 1, 1979. To qualify for this exemption, the owner of the plant must agree to pay the host community at least 5% of the plant's gross income for the preceding calendar year in lieu of taxes.

The exemption applies to all real property (land and buildings) and tangible property (turbines and other equipment) necessary for the production of hydropower (M.G.L. ch.59, sec. 5, cl. (45A)).

[More info...](#)

## Massachusetts Local Property Tax Exemption

A taxpayer who installs a solar or wind-powered system for heating or otherwise supplying the energy needs of his/her residence or business is eligible for an exemption from local property tax. The exemption is good for 20 years from the date of installation. (M.G.L. ch. 59, sec. 5, cl. 45).

*Please note that this exemption applies to the value added to the property by the system and is not an exemption for the full amount of the property tax bill.*

[More info...](#)

## Massachusetts Corporate Income Tax Deduction

A business that purchases a qualifying solar or wind-powered "climatic control unit" or "water heating unit" is allowed to deduct from its net income, for state tax purposes, any costs incurred from installing the unit, provided the installation is located in Massachusetts and is used exclusively in the trade or business of the corporation (M.G.L. c.63, sec. 38H.).

*Please note that if you qualify for this deduction you may also qualify for the excise tax benefit described in M.G.L. c.63, sec. 38H(f).*

[More info...](#)

## Massachusetts Technology Collaborative Small Renewables Initiative (SRI)

The Small Renewables Initiative (SRI) provides rebates for the installation of micro wind projects that are up to 10 kW and located at residential, commercial, industrial, institutional, and public facilities. The applicant and project site must either be a customer of a Massachusetts investor-owned electric distribution utility or be a customer of a Municipal Light Plant Department that pays into the Massachusetts Renewable Energy Trust. Applications are received on a rolling, first-come-first-served basis.

## Massachusetts Commonwealth Solar

In January 2008, the Patrick Administration and the Massachusetts Renewable Energy Trust introduced a bold new initiative, Commonwealth Solar, to accelerate the number of solar electric photovoltaic (PV) projects within the Commonwealth and spur growth of the Massachusetts solar industry. Commonwealth Solar provides rebates through a non-competitive application process for the installation of PV projects at residential, commercial, industrial, and public facilities. Commercial projects are eligible for rebates for PV projects up to 500 kW and residential projects are eligible for up to 5 kW. The applicant (and project site) must be a customer of a Massachusetts investor-owned electric utility.

[More info...](#)

## Privately Sourced Financial Grants

### The Energy Foundation Grants

The Energy Foundation is a partnership of major donors interested in solving the world's energy problems. Their mission is to advance energy efficiency and renewable energy — new technologies that are essential components of a clean energy future.

[More info...](#)

### The Renewable Fuels Foundation Offers Its First Grants for Ethanol Production

The Renewable Fuels Foundation (RFF) Board of Directors funds those research projects that have clear goals and measurable outcomes with benchmarks that will advance the science of ethanol production. While sound research should be the basis for all grant applications, the RFF will only support projects that directly enhance domestic production of ethanol and the efficient use of co-products. One grant will be awarded for \$150,000, of which \$75,000 will be made available over two years. Viable projects may qualify for continued funding past this time frame.

Research project proposals must have a national implication, not local. The RFF prefers to fund national model projects, thereby making a bigger impact to the U.S. ethanol market.

[More info...](#)

### The Carbon Trust

The Carbon Trust, via an incubator scheme, helps prepare promising early-stage companies in the UK to raise the investment needed to grow their business. They work with early-stage companies who have developed innovative carbon-saving technologies, demonstrating commercial and high-growth potential. The Carbon

Trust is funded by the Department for Environment, Food and Rural Affairs (Defra), the Department for Business, Enterprise and Regulatory Reform (BERR), the Scottish Government, the Welsh Assembly Government, and Invest Northern Ireland. The scheme aims to create investment opportunities in technology start-up companies developing low-carbon technologies.

Companies accepted for incubation will receive up to £60,000 of financial support from the Carbon Trust over a 12–18 month period. The Carbon Trust incubator scheme, which accelerates the commercialization of promising low-carbon businesses, has announced partnerships with business advisory firm Grant Thornton and a commercial law firm local to Cambridge (Mills & Reeve LLP), to provide corporate finance and legal advisory support to its incubator companies.

[More info...](#)

## Federal and State Happenings

### JHU Provost Obama's Pick for Energy Post

*Baltimore Sun* - March 13, 2009

[More info...](#)

### DEP Chief Gina McCarthy Picked for EPA Climate-Change Post

*Hartford Courant* - March 12, 2009

[More info...](#)

### EPA Proposes Rule to Collect More Greenhouse-Gas Emissions

*Greentech Media* - March 10, 2009

[More info...](#)

### DOE Announces Investment of up to \$84M in Geothermal Energy

Press Release, Department of Energy - March 4, 2009

[More info...](#)

### Picks for Key Government Posts Play Long Waiting Game

*The Washington Post* - March 4, 2009

[More info...](#)

### Draft Legislation a Boon for Solar, Smart Grid

[More info](#)

<http://www.jdsupra.com/post/documentViewer.aspx?fid=3971ca24-d6cb-4d14-805a-b3ce37091d50>

## Legal News

### **Massachusetts Department of Public Utilities Proposes Rules under Green Communities Act**

Energy and Clean Technology Alert, Mintz Levin - March 13, 2009

[More info...](#)

### **Highlights of the Stimulus Package for the Energy and Clean Technology Sector**

Energy and Clean Technology Alert, Mintz Levin - February 18, 2009

[More info...](#)

### **California Court of Appeal Weighs in on the Uniform Trade Secret Act's Preemption of Common Law Claims**

Intellectual Property Alert, Mintz Levin - March 4, 2009

[More info...](#)

### **Mintz Levin Expands West Coast Litigation Practice with Addition of Donald S. Urrabazo**

Press Release, Mintz Levin - February 25, 2009

[More info...](#)

### **Janet Tighe Recognized in the Top Ten Financial Advisors in Boston by *Women's Business Boston***

Press Release, Mintz Levin - February 23, 2009

[More info...](#)

### **Mintz Levin Presents "New and Expanded Tax Incentives for Renewable Energy: A Stimulus for Producers and Investors" Webinar**

Press Release, Mintz Levin - February 20, 2009

[More info...](#)

### **Massachusetts Extends Deadline for Compliance with Data Security Regulations to January 1, 2010**

Privacy and Security Alert, Mintz Levin - February 18, 2009

[More info...](#)

Employment Alert, Mintz Levin - February 9, 2009

[More info...](#)

## Events

### ***March***

#### **Green: Net 09**

March 24, 2009  
Golden Gate Club  
San Francisco, California

[More info...](#)

#### **Geothermal Innovation & Investment**

March 24–25, 2009  
Le Meridien  
San Francisco, California

[More info...](#)

#### **3rd Annual ThinkGreen Conference**

March 24–26, 2009  
Intercontinental  
San Francisco, California

[More info...](#)

#### **BioPower Generation Asia**

March 25–26, 2009  
Singapore

[More info...](#)

#### **Solar Power Finance & Investment Summit**

March 25–27, 2009  
The Westin San Diego  
San Diego, California

[More info...](#)

#### **GreenSense 2009**

March 30–31, 2009  
Westin Convention Center Hotel  
Pittsburgh, Pennsylvania

[More info...](#)

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### **4th Asia Solar Photovoltaic Exhibition & Forum 2009**

March 30–April 1, 2009  
Shanghai, China

[More info...](#)

### **NHA Conference & Hydrogen Expo XX**

March 30–April 3, 2009  
Columbia Metropolitan Convention Center  
Columbia, South Carolina

[More info...](#)

### **Solar Innovation & Investment Asia**

March 31–April 1, 2009  
Shanghai, China

[More info...](#)

### **Advanced Capacitors World Summit 2009**

March 31–April 2, 2009  
Hilton Torrey Pines  
La Jolla, California

[More info...](#)

## ***April***

### **Sustainable Bioenergy 2009**

April 1–2, 2009  
London, United Kingdom

[More info...](#)

### **The Wall Street Green Trading Summit**

April 1–2, 2009  
The Times Center  
New York, New York

[More info...](#)

### **Carbon TradeEx America**

April 7–8, 2009  
Walter E. Washington Convention Center  
Washington, D.C.

[More info...](#)

## Photovoltaics

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<http://www.jdsupra.com/post/documentViewer.aspx?fid=3971ca24-d6cb-4d14-805a-b3ce37091d50>

### *Beyond Conventional Silicon*

April 7–8, 2009  
Dresden, Germany

[More info...](#)

## 2nd Annual Global Marine Renewable Energy Conference

April 15–16, 2009  
The Carnegie Institution for Science  
Washington, D.C.

[More info...](#)

## Engineering Sustainability 2009

*Innovations that Span Boundaries*

David L. Lawrence Convention Center  
April 19–21, 2009  
Pittsburgh, Pennsylvania

[More info...](#)

## Alternative Fuels & Vehicles National Conference & Expo 2009

April 19–22, 2009  
Walt Disney World Swan & Dolphin Resort  
Orlando, Florida

[More info...](#)

## Clean Energy Investments Forum 2009

April 20–21, 2009  
Hilton Houston Post Oak  
Houston, Texas

[More info...](#)

## Dow Jones Alternative Energy Innovations 2009

April 21–22, 2009  
Sofitel San Francisco Bay  
Redwood City, California

[More info...](#)

## 3rd Annual Energy Efficiency Finance Forum

April 23–24, 2009  
The Palace Hotel  
San Francisco, California

[More info...](#)

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<http://www.jdsupra.com/post/documentViewer.aspx?fid=3971ca24-d6cb-4d14-805a-b3ce37091d50>

## **Northeast Power Markets Forum**

April 27–28, 2009  
The Fairmont Washington  
Washington, D.C.

[More info...](#)

## **Energy Efficiency Global Forum & Exposition**

April 27–29, 2009  
Paris, France

[More info...](#)

## **Organic Photovoltaics 2009**

April 27–29, 2009  
Doubletree Hotel Philadelphia  
Philadelphia, Pennsylvania

[More info...](#)

## **Implementation of Renewable Energy in the Emerging Markets of Africa, Latin America and the Caribbean 2009 (REEM09)**

April 27–29, 2009  
Hotel Nikko  
San Francisco, California

[More info...](#)

## **Thin Film Solar**

April 28–29, 2009  
Hotel Nikko  
San Francisco, California

[More info...](#)

## **Cleantech Forum XXII**

April 28–30, 2009  
Copenhagen, Denmark

[More info...](#)

## **Sustainable Manufacturing Summit**

April 29–30, 2009  
Navy Pier  
Chicago, Illinois

[More info...](#)

## Clean Technology Conference & Expo 2009

May 3–7, 2009  
George R. Brown Convention Center  
Houston, Texas

[More info...](#)

## WINDPOWER 2009 Conference & Exhibition

May 4–7, 2009  
McCormick Place Convention Center  
Chicago, Illinois

[More info...](#)

## Gulf Solar

*Commercializing Solar across the Middle East*

May 5–7, 2009  
Dubai, United Arab Emirates

[More info...](#)

## SNEC 3rd International Photovoltaic Power Generation Conference & Exhibition

May 6–8, 2009  
Shanghai, China

[More info...](#)

## SOLAR 2009

May 11–16, 2009  
Buffalo Niagara Convention Center  
Buffalo, New York

[More info...](#)

## An Introduction to Solar Technology & Markets

May 20–21, 2009  
London, United Kingdom

[More info...](#)

## Renewable Energy Europe 2009

May 26–28, 2009  
KoelnMesse, Cologne, Germany

[More info...](#)

## Offshore Wind & Transmission Forum

Document hosted at JDSUPRA™

Strategies & Challenges in Scaling Up the Offshore Wind Industry <https://www.jdsupra.com/legaldocs/offshore-wind-scaling-up-the-offshore-wind-industry-2009-05-27-091d50>

May 27–28, 2009  
Brussels, Belgium

[More info...](#)

## June

### Photovoltaics Summit 2009

June 1–3, 2009  
Hotel Kabuki  
San Francisco, California

[More info...](#)

### Carbon Reduction Commitment Summit

June 2–3, 2009  
London, United Kingdom

[More info...](#)

### Concentrating Solar Thermal Power 2009

June 4–5, 2009  
Hotel Kabuki  
San Francisco, California

[More info...](#)

### 34th IEEE Photovoltaic Specialists Conference

June 7–12, 2009  
Philadelphia Marriott  
Philadelphia, Pennsylvania

[More info...](#)

### PV America

June 8–10, 2009  
Pennsylvania Convention Center  
Philadelphia, Pennsylvania

[More info...](#)

### Solar Economics Forum

*Towards Grid Parity*

June 16–18, 2009  
London, England

[More info...](#)

June 23–24, 2009  
Waldorf Astoria  
New York, New York

[More info...](#)

### **BioPower Generation USA**

June 23–24, 2009  
Chicago, Illinois

[More info...](#)

### **BWEA Offshore Wind 2009**

June 24–25, 2009  
London, United Kingdom

[More info...](#)

## ***July***

### **InterSolar North America**

July 14–16, 2009  
Moscone Center  
San Francisco, California

[More info...](#)

### **The IEA & Marketforce's Renewables 2009**

July 8–9, 2009  
Radisson SAS Portman  
London, England

[More info...](#)

## ***September***

### **3rd U.S. Carbon Finance Forum**

September 9–10, 2009  
The Metropolitan Club  
New York, New York

[More info...](#)

### **Going Green**

September 14–16, 2009  
Cavallo Point  
San Francisco, California

[More info...](#)

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<http://www.jdsupra.com/post/documentViewer.aspx?fid=3971ca24-d6cb-4d14-805a-b3ce37091d50>

## **The 4th Annual Renewable Energy Finance & Investment Summit**

September 14–16, 2009

Doral Resort and Spa

Miami, Florida

[More info...](#)

## **Solar Convention Las Vegas 2009**

September 15–17, 2009

Las Vegas Convention and Visitors Authority

Las Vegas, Nevada

[More info...](#)

## **11th Renewable Energy Finance Forum London**

September 21–22, 2009

London, United Kingdom

[More info...](#)

## **24th European Photovoltaic Solar Energy Conference & Exhibition**

September 21–25, 2009

Hamburg, Germany

[More info...](#)

## **2nd Renewable Energy Finance Forum West**

September 29–30, 2009

The Palace

San Francisco, California

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[Boston](#) | [Washington](#) | [New York](#) | [Stamford](#) | [Los Angeles](#) | [Palo Alto](#) | [San Diego](#) | [London](#)

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