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In the September edition of *Energy Technology Connections*, we bring you recent industry highlights, the latest news from Capitol Hill, and a list of upcoming energy industry events. Specifically, we congratulate our client, NBD Nanotechnologies, for their successful Series A round and highlight EnerNOC's new developments in energy intelligence software technology. In addition, please see our Events section below to learn more about Houston-based SURGE Accelerator's Spring 2015 program and application process. For links to industry grant opportunities and stories from the business, policy, and research sectors of the energy and clean technology industry, please see our [Energy Navigator](#).

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Leaders in the News

We're excited to share that our client, NBD Nanotechnologies, has recently secured [\\$5.2 million in Series A funding](#) to advance its platform technologies and product development. The funding, led by Phoenix Venture Partners (PVP) and joined by Supply Chain Ventures and previous angels, will help NBD Nano continue improving its proprietary surface modifying coatings. Already, the Boston start-up's nanotechnologies have successfully produced highly functional and durable materials that are omniphobic (hydrophobic, oleophobic) and hydrophilic, providing NBD with a wide variety of industrial and consumer commercial applications. Phoenix Venture Partners (PVP) invests in and partners with entrepreneurs to commercialize breakthrough materials science innovations. PVP is based in Silicon Valley with satellite offices in Singapore and Cambridge, MA.

For more information on NBD Nanotechnologies, their products, and the story behind their achievements, please visit their [website](#).

Event Highlights

You heard it here first! Mintz Levin, the New England Clean Energy Council (NECEC), and Grant Thornton will be hosting a financing panel discussion at Mintz Levin's Boston office covering IPOs and other financings on Wednesday, Oct. 1 from 8:30 a.m. – 10:30 a.m. Event details and registration will be available on the NECEC website soon.

In addition, on behalf of our friends and partners at [SURGE Accelerator](#), Mintz Levin is excited to share that the [application](#) for the [Spring 2015 SURGE Program](#) is now open for prospective enrollees. SURGE is a leading seed fund and mentor-driven accelerator based in Houston that identifies, invests in, and enables entrepreneurs who are solving the world's energy problems. SURGE Class 4 will be in session from February through June of 2015, offering an incredible opportunity for startups and young energy technology companies to receive mentorship, access to potential clients, and assistance securing their first or next round of capital. SURGE

provides:

- Established relationships with major companies who provide feedback and act as pilot customers for our startups.
- Active connections with angel and venture capital firms looking to invest in SURGE companies.
- Access to over 150 of the world's top mentors in energy, including top scientists, engineers, customers, entrepreneurs, executives, investors, policy experts and others critical to the energy ecosystem.

For information on the types of companies that SURGE has helped succeed, check out the full list of program graduates on SURGE's [alumni page](#). Mintz Levin encourages all interested companies and entrepreneurs to [apply](#) and "join the next cohort of energy technology start-ups." The deadline for applications to the Spring 2015 Program is October 15th.

For more on SURGE, see the [Houston Chronicle Op-Ed](#) penned by our own Paul Dickerson, a former Chief Operating Officer for the U.S. Department of Energy, and Tom Burton.

Innovator Profile

We would like to congratulate our client, EnerNOC, on their recent investment in software-as-a-service (SaaS) company, WeSpire. EnerNOC is a leading provider of cloud-based energy intelligence software (EIS) and services to thousands of enterprise customers and utilities globally. Its EIS solutions for utilities help maximize the value of demand-side resources, while its enterprise software helps drive savings and improve productivity by optimizing energy usage. By partnering with WeSpire, EnerNOC will have the opportunity to market a white-labeled version of WeSpire's employee engagement application, customized for their over 6,000 enterprise and utility customers. WeSpire's application tracks the business impact of engaging employees in sustainability by allowing employees to earn points for sustainable practices. Similar technology by WeSpire is already being used by companies such as eBay and Unilever. The full press release on the partnership can be found [here](#).

EnerNOC's focus is on energy intelligence software and related solutions, including supply management, utility bill management, visibility and reporting, and facility optimization, among others. Notably, EnerNOC holds a market leading position in demand response technology, which continues to receive national and international attention. The United States Government Accountability Office, recognizing the benefits of demand response, recently released a [report](#) offering recommendations to the General Services Administration (GSA) and the United States Defense Department regarding its use and implementation. If used properly, these agencies could save millions of dollars in utility bills annually. Though the GSA has not consistently tracked this information, it is estimated that demand response technology saved the agency \$888,000 in fiscal year 2012 alone. Utilization of demand response technology is projected to grow as entities from the government to the private sector explore enacting similar programs.

Washington Update

Following the Environmental Protection Agency's proposal of the [Section 111\(D\) rule](#) on June 2nd, the EPA held public hearings across the nation to receive comments about the agency's Clean Power Plan. The rule change, which would establish state-specific targets to mandate a 30 percent cut in power-plant CO2 emissions nationally by 2030, centers around four potential carbon reduction building blocks: (1) making fossil fuel power plants more efficient, (2) using low-emitting power sources more frequently, (3) expanding zero- and low-carbon power sources, and (4) using electricity more efficiently. The proposal has already generated more than 300,000 comments, including from House Science Committee Chair Lamar Smith (R-TX), who recently sent letters to the EPA and the Energy Information Administration calling for a re-analysis of the Clean Power Plan by both agencies.

As Congress prepares to return from the August recess, several energy-related bills are expected to come up for a vote in September in the House of Representatives. According to House Majority Leader Kevin McCarthy (R-CA) in an address to the House Republican Conference on August 8th, these will likely include measures to open federal lands to energy extraction ([H.R. 4899](#)), limit environmental regulations ([H.R. 1582](#)), and approve the Keystone XL pipeline ([H.R. 3](#)). On a related note, the August 10th edition of Nature Climate Change published a [study](#) which found that greenhouse gas emissions from the Keystone XL pipeline could be up to four times higher than the State Department estimates due to the pipeline's impact on global oil prices and consumption.

In other Congressional news, 54 members of the House of Representatives expressed their support for the expiration of the Production Tax Credit (PTC) for wind energy in a [letter](#) to Representative McCarthy and

Speaker of the House John Boehner (R-OH). On August 4th, the Congressional Research Service (CRS) issued a report finding that fossil fuel export restrictions may potentially be inconsistent with the General Agreement on Tariffs and Trade 1994. Members of Congress will return from the August Recess on September 8th.

Energy Navigator

Please visit and bookmark our [Energy Navigator](#) to easily view all of the latest headlines from the most trusted publications reporting on developments in the energy and clean technology industries. It is housed on our blog, [Energy & Clean Technology Matters](#).

Upcoming Events

The Soft Grid

September 10 – 11, 2014
Menlo Park, CA

[More Info »](#)

Global Cleantech Summit

September 11 – 12, 2014
China

[More Info »](#)

Water Innovation Summit

September 23 – 24, 2014
Berkeley, CA

[More Info »](#)

2014 Cleantech Global Showcase - GloSho'14

October 6 – 7, 2014
Los Angeles, California

[More Info »](#)

VERGE

October 27 – 30, 2014
San Francisco, CA

[More Info »](#)

Forum 20/20: Innovation and the Future of Cleantech

October 29, 2014
Boston, MA

[More Info »](#)

NECEC 7th Annual Green Tie Gala

October 30, 2014
Boston

[More Info »](#)

Cleantech Tour of China 2014

November 2 – 7, 2014
China

[More Info »](#)

US Solar Market Insight 2014

December 9 – 10, 2014
San Diego, CA

[More Info »](#)

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Share:    

Thomas R. Burton III
Member
Chair, Energy Technology
(Boston)
617.348.3097
TRBurton@mintz.com

Sahir Surmeli
Member
Co-chair, Energy Technology
(Boston)
617.348.3013
SSurmeli@mintz.com

Brady Berg
Member
Corporate & Securities (San Francisco)
415.432.6003
BBerg@mintz.com

Evan M. Bienstock
Member

Meryl J. Epstein
Member
Corporate & Securities (Boston)
617.348.1635
MJEpstein@mintz.com

Gregory S. Fine
Member
Corporate & Securities (Boston)
617.348.3003
GSFine@mintz.com

Susan L. Foster, PhD
Member
Corporate & Securities (London)
+44.20.7776.7330
SFoster@mintz.com

Kristin A. Gerber
Associate
Corporate & Securities (Boston)
617.348.3043

Caroline Puckowski
Project Analyst (Boston)
617.348.4850
CPuckowski@mintz.com

Jeffrey R. Porter
Member
Environmental (Boston)
617.348.1711
JPorter@mintz.com

Jennifer Sacco Smith
Associate
Real Estate (Boston)
617.348.1678
JSaccoSmith@mintz.com

Chuck A. Samuels
Member
Antitrust/Energy Efficiency (Washington)
202.434.7311
CASamuels@mintz.com

Corporate & Securities (New York)
212.692.6869
EMBienstock@mintz.com

Jonathan T. Cain
Member
Government Law & Contracts
(Washington)
202.585.3508
JTCain@mintz.com

Anne Campbell
Associate
Intellectual Property (London)
+44.20.7776.7317
ACampbell@mintz.com

Ralph A. Child
Member
Environmental (Boston)
617.348.3021
RChild@mintz.com

Jordan M. Collins
Director of Government Relations
ML Strategies (Washington)
202.434.7462
JMCollins@mlstrategies.com

Hannah C. Coman
Associate
Corporate & Securities (Boston)
617.348.1703
HCComan@mintz.com

William "Mo" Cowan
Of Counsel
Litigation
Senior Vice President &
Chief Operating Officer
ML Strategies
(Boston)
617.348.1600
MCowan@mlstrategies.com

Julian Crump
Managing Partner, Member
Intellectual Property (London)
+44.20.7776.7302
JCrump@mintz.com

Daniel I. DeWolf
Member
Co-chair, Venture Capital &
Emerging Companies;
Corporate & Securities (New York)
212.692.6223
DDeWolf@mintz.com

Paul H. Dickerson
Of Counsel
Corporate & Securities (Washington)
202.460.9286
PHDickerson@mintz.com

Jamie Dickerson
Project Analyst (Boston)
617.239.8341
JEDickerson@mintz.com

KAGerber@mintz.com

Jeremy D. Glaser
Member
Corporate & Securities (San Diego)
858.314.1515
JDGlaser@mintz.com

Irwin M. Heller
Member
Corporate & Securities (Boston)
617.348.1654
IHeller@mintz.com

Kanasha S. Herbert
Associate
Corporate & Securities (Boston)
617.348.3015
KSHerbert@mintz.com

Jonathan L. Kravetz
Member
Chair, Securities;
Corporate & Securities (Boston)
617.348.1674
JLKravetz@mintz.com

Carl A. Kukkonen III
Member
Intellectual Property (San Diego)
858.314.1535
CAKukkonen@mintz.com

Cynthia J. Larose
Member
Corporate & Securities (Boston)
617.348.1732
CJLarose@mintz.com

David J. Leiter
President, ML Strategies,
Washington, DC
ML Strategies (Washington)
202.434.7346
DJLeiter@mlstrategies.com

Audrey C. Louison
Member
Chair, Project Development & Finance
(Washington)
202.434.7380
ALouison@mintz.com

Jeffrey A. Moerdler
Member
Real Estate, Communications,
Environmental (New York)
212.692.6700
JAMoerdler@mintz.com

David L. O'Connor
Senior Vice President for
Energy Technology
ML Strategies (Boston)
617.348.4418
DOConnor@mlstrategies.com

Gabriel Schnitzler
Member
Real Estate (San Francisco)
415.432.6004
GSchnitzler@mintz.com

Donald W. Schroeder
Member
Employment, Labor & Benefits (Boston)
617.348.3077
DSchroeder@mintz.com

Terri Shieh-Newton, PhD
Member
Intellectual Property (San Francisco)
415.432.6084
TShieh-Newton@mintz.com

Bryan M. Stockton
Director of
Government Relations
Energy Policy Specialist
ML Strategies (Washington)
202.434.7480
BStockton@mlstrategies.com

Stanley A. Twarog
Member
Corporate & Securities (Boston)
617.348.1749
STwarog@mintz.com

Paula J. Valencia-Galbraith
Associate
Corporate & Securities (Boston)
617.210.6854
PVGalbraith@mintz.com

Michael D. Van Loy, PhD
Member
Intellectual Property (San Diego)
858.314.1559
MDVanLoy@mintz.com

Katy E. Ward
Associate
Environmental (Boston)
617.348.1850
KEWard@mintz.com

William F. Weld
Member
Corporate & Securities
Principal
ML Strategies
(Boston, New York, Washington)
617.348.4412
BWeld@mintz.com

David Wraige
Associate
Intellectual Property (London)
+44.20.7776.7310
DWraige@mintz.com

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