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If you would like any further information or would like to be included in our mailing list, please contact:

+44 (0)20 8432 3059

talkingenergy@nrgexpert.com

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Share Price Data

Company	Currency	Price 3/2/14	Price 13/1/14	Market Cap 4/2/14
Vestas Wind Systems A/S	DKK	178.7	196.5	33370967850
Electricite de France SA	EUR	24.94	24.98	46389239414
GDF Suez SA	EUR	16.345	16.77	38895289224
E.ON	EUR	13.39	13.1	
Habanero Resources Inc.	CAD	0.05	0.1	731569
Alstom SA	EUR	20.655		6376331598
Enel S.p.A.	EUR	3.29	3.304	31463634770
BP plc	GBX	473.6	495.8	87078188444
BG Group plc	GBX	1025	1315	35387214827
Royal Dutch Shell Plc	GBX	2095	2190	130832522144
National Grid plc	GBX	792	777	29450664490
Cairn India Limited	INR	325.4	329.9	621774219178
Gazprom OAO	RUB	141.57	139.08	3249210983871
Exxon Mobil Corporation	USD	90.05	98.55	393384679851
Chevron Corporation	USD	111.14	119.25	213741447491
PetroChina Company Limited (ADR)	USD	94.75	102.56	173412376466
ConocoPhillips	USD	63.86	67.74	78234803602
First Solar, Inc.	USD	48.35	49.86	4807928683
BHP Billiton Limited (ADR)	USD	62.76	65.3	100775266423
Nordic American Tanker Ltd	USD	10.24	9.73	676354555
Sinopec Shanghai Petrochemical Co. (ADR)	USD	27.53	26.54	3528194178
ABB Ltd (ADR)	USD	24.31	26.08	55834938707
Petroleo Brasileiro Petrobras SA (ADR)	USD	10.87	12.46	70896840068
Energy Transfer Partners LP	USD	54.89	53.25	20650629119
Acorn Energy Inc	USD	3.24	3.92	71755350
Duke Energy Corp	USD	70.46	67.77	49744291570
Tesla Motors Inc	USD	177.11	139.34	21712610663

Source: Google Finance



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Industry News

- Enbridge Inc. (TSX:ENB)(NYSE:ENB) announced the appointment of C. Gregory (Greg) Harper as President, Gas Pipelines and Processing [on January 13]. Mr. Harper's appointment is effective Jan. 30, 2014. He becomes a member of Enbridge's Executive Leadership team and will report to Al Monaco, President and Chief Executive Officer of Enbridge Inc.¹
- Alstom SA, the French maker of trains and power equipment, cut its forecast for operating margins for the second time in nine months because of weaker-than-expected sales of thermal-power equipment. The operating margin will remain at about 7 percent this fiscal year ending March, and “may slightly decline next year,” the company based near Paris said in a statement.²

Electric vehicles

- The Leaf, the linchpin of Nissan's electric vehicle strategy, is making inroads in New York. A pair of public DC fast-chargers – capable of replenishing 80% of the EV's juice in roughly 30 minutes – has been online in Manhattan for a year. A taxi trial involving the hatchback is underway, and the base car's price has dropped with the addition of the S trim level in 2013. For buyers in some US states with generous tax incentives, a Leaf S can be approached for under \$20,000.³
- Norway's traffic jams are becoming the cleanest and quietest in the world due to a flood of drivers buying electric cars which now power around the country's cities on hydro-electricity, competing for free charging points. For three months at the end of 2013, the luxury electric sports car the Tesla Model S and Nissan Leaf family electric car were the best-selling models among all cars sold in the country, beating popular and conventionally-fuelled cars including the VW Golf.⁴

Green Technology

- A tidal energy scheme in the Pentland Firth could provide enough power for almost half of Scotland's electricity needs, according to research. The firth, which lies between Orkney and the Scottish mainland, has some of the fastest tidal currents in the UK. Engineers from Edinburgh and Oxford Universities said

¹ From: <http://www.enbridge.com/MediaCentre/News.aspx?yearTab=en2014&id=1797650>, Retrieved January 13, 2014.

² From: <http://www.bloomberg.com/news/2014-01-21/alstom-cuts-margin-and-cash-flow-outlook-as-turbine-demand-falls.html>, Retrieved January 29, 2014

³ From: <http://www.bbc.com/autos/story/20140110-video-test-nissan-leaf-v-nyc>, Retrieved January 14, 2014.

⁴ From: <http://www.theguardian.com/environment/2014/jan/29/norway-electric-cars-sale>, Retrieved January 29, 2014



turbines placed in the stretch of water could generate 1.9GW (gigawatts) of clean energy.⁵

- Researchers at Virginia Tech have successfully created a sugar-powered fuel cell that has an energy storage density of 596 amp-hours per kilo — or “one order of magnitude” higher than lithium-ion batteries. This fuel cell is refillable with a solution of maltodextrin, and its only by products are electricity and water. The chief researcher, Y.H. Percival Zhang, says the tech could be commercialized in as soon as three years.⁶

Political developments

- Prime Minister David Cameron announces that local councils in England that agree to fracking projects will keep 100 percent of the related business rates. During a visit to a site in Lincolnshire, the Prime Minister, said he wanted the UK to benefit from development of reserves of shale gas in the same way as parts of North America have.⁷
- Iran has begun curbing uranium enrichment under a deal which will also see international sanctions eased, says the International Atomic Energy Agency (IAEA), the UN nuclear watchdog. Earlier, centrifuges used for enrichment were disconnected at the Natanz plant, Iranian TV reported. The move is part of a six-month nuclear deal reached with the US, Russia, China and European powers last November.⁸
- The European Commission is to ditch legally-binding renewable energy targets after 2020 in a major U-turn and admission that the policy has failed industry and consumers by driving up electricity bills. A Brussels paper on the European Union’s “2030 framework for climate and energy” will instead propose binding targets to reduce carbon emissions without imposing requirements on how the reductions are made.⁹
- In his fifth State of the Union address on [January 28], [U.S.] President Barack Obama celebrated the efforts his administration has made to cut greenhouse gas emissions, while also praising recent increases in domestic oil and gas production. Obama said early in his address that there is now more "oil produced at home than we buy from the rest of the world," for the first time in two decades. "The all-of-the-above energy strategy I announced a few years ago is working,

⁵ From: <http://www.bbc.co.uk/news/uk-scotland-north-east-orkney-shetland-25800448>, Retrieved January 20, 2014

⁶ From: <http://www.extremetech.com/extreme/175137-sugar-powered-biobattery-has-10-times-the-energy-storage-of-lithium-your-smartphone-might-soon-run-on-enzymes>, retrieved January 22, 2014

⁷ From: <http://www.telegraph.co.uk/earth/energy/fracking/10568623/David-Cameron-shale-gas-projects-will-benefit-communities-financially.html>, Retrieved January 13, 2014

⁸ From: <http://www.bbc.co.uk/news/world-middle-east-25805209>, retrieved January 20, 2014

⁹ From: <http://www.telegraph.co.uk/finance/newsbysector/energy/10588121/European-Commission-to-ditch-legally-binding-renewable-energy-targets.html>, retrieved January 22, 2014

and today, America is closer to energy independence than we've been in decades," he said.¹⁰

- The head of oil multinational BP has delivered a major blow to Alex Salmond's economic case for independence after becoming the most high-profile business leader yet to publicly attack Scottish independence. Bob Dudley said that "Great Britain is great and it ought to stay together" after being asked about the impact of Scottish separation on his company.¹¹

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¹⁰ From: http://www.huffingtonpost.com/2014/01/28/obama-state-of-the-union-energy_n_4684404.html, Retrieved January 29, 2014

¹¹ From: <http://www.telegraph.co.uk/news/uknews/scotland/10616789/BP-chief-Bob-Dudley-attacks-Scottish-independence.html>, retrieved February 4, 2014



Infrastructure and Technology

- Bottlenecks in Toronto Hydro's aging outage management system during the ice storm left freezing customers unable to report power losses and prevented line crews on the streets from reaching the control room quickly to report completed repairs, a [Toronto] Star investigation has found.¹²

¹² From:

http://www.thestar.com/news/gta/2014/01/13/aging_toronto_hydro_system_fell_short_during_ice_storm.html, retrieved January 13, 2014.