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### Solar Nova Scotia Fall Courses

Since 1980, Solar Nova Scotia has been offering practical courses on the design and construction of solar homes and additions. By now hundreds of home designers, builders and solar home owners have taken our courses.

This year's fall course will be held at the Nova Scotia Institute of Technology, Leeds St., Halifax, on Thursdays, 7:00 PM to 10:00 PM, from October 20<sup>th</sup> to November 24<sup>th</sup>. The instructor is the well-known solar designer-builder, Don Roscoe, who has been teaching solar design and construction for 35 years.

Fees is \$90 (\$150 for couples and \$80 for students). Fees include handouts. Optional textbooks will be available for purchase.(\$15/\$35).

**To register call 902-852-4758 or write  
[solardon.ns@gmail.com](mailto:solardon.ns@gmail.com).**

For more information about this and about one-day on-demand passive solar construction courses to be offered mid-winter see [www.solarns.ca](http://www.solarns.ca).

### Solar Nova Scotia Friday Evenings at Lion's Head Tavern

Got some solar news to share? Join us at Solar Nova Scotia's Sup'n'Share every Friday evening at 5:00 PM at the Lion's Head Tavern, 3081 Robie St. Ask the waiter to point out our table. See ya there.

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### Solar News

In Nova Scotia

Halifax Solar City

Ecology Action Centre Net Zero  
Speaker Series

program see [Solar City](#). For CBC radio news listen to Don Connolly of CBC Radio's Information Morning talk to Halifax energy specialist Adam Hayder at the same site.

The expanded program allows home owners, co-ops, and other not-for-profits in the Halifax Regional Municipality to use any certified solar contractor of their choice. The program provides loans, available on a first come basis, for 1350 installations - 450 solar water, 450 solar air, and 450 solar photovoltaic. Low repayment, at low interest, is through a local improvement charge on property taxes spread over 10 years. Even the cost of administering the program will be covered in the repayment schedule. For more information on how to apply go to: <http://halifax.ca/solarcity/>.



Jeremy Rifkin

### In Canada

The annual Conference and Exposition of the Canadian Solar Industries Association will be held December 4 - 5 at the Metro Toronto Convention Centre.

<http://solarcanadaconference.ca>. The keynote speaker, Jeremy Rifkin, wrote "The Third Industrial Revolution", which has inspired the economic transition to a post-carbon society in European Union countries. His most recent book, "The Zero Margin Cost Economy", is available with conference registration.

### Three Amigos

At the North American (Three Amigos) Leaders summit in Ottawa this summer Canada, Mexico, and the USA promised a regional carbon emission reduction plan. Our three countries will, according to the agreement, provide 50% of our electric power from clean sources by 2025 See **the Clean Energy Review Story** [here](#)

series of presentations about meeting the challenge of constructing all new buildings to NET ZERO.

OCT 19th Steven Crowell, Crowell Construction  
Nova Scotia Net Zero builder

NOV 16th Bill Lahey, Chair Efficiency One and Marty Janowitz, Chair Minister's Round Table on Environmental Goals and Sustainable Prosperity (EGSPA)

For information from the September 21<sup>st</sup> presentation by architect John Crace, "Getting Back to Net Zero Energy" click [here](#)

For information on John Crace click [here](#)

Leduc Alberta is completing the largest commercial rooftop solar system in Canada. Its Operations Building is soon to be powered 100% by solar.  
([longer video follows shorter one](#))



Courtesy: ENMAX



Photo Courtesy of City of Edmonton

Edmonton is the first Canadian city to put solar powered charging benches for smart phones ([Soofas](#)) in downtown parks. They have storage capacity to allow charging day and night.

## Solar Around the World

### COP 22

The 22nd session of the Conference of the Parties (COP 22) to the UNFCCC (United Nations Framework Convention on Climate Change) will take place from [November 7 – 18 in Marrakech, Morocco](#). Expect news of lots of new solar developments.

### The Arts Community

Author Amitav Ghosh [called upon the Arts community](#) to involve itself more actively in the struggle to lower carbon emissions and “hopes religious figures will get involved in climate change, governments having failed.”

### Solar cooling

By mid-century, as the world heats up because of climate change, energy [demand for cooling will outpace energy demand for heating](#). Solar could be an important part of the response to this demand.

### The Investment Community

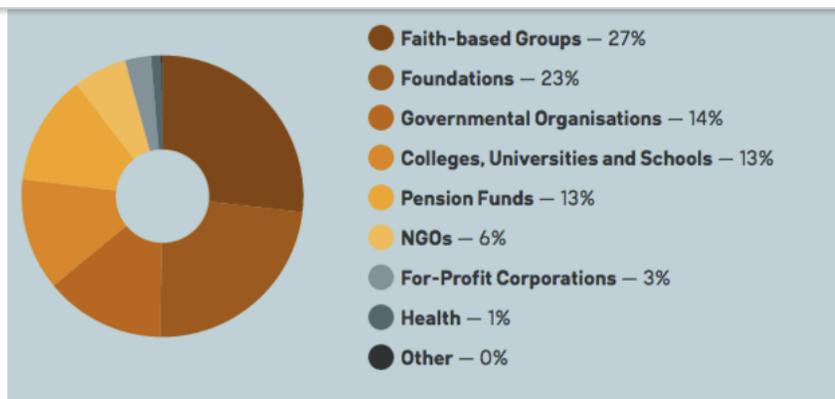
The Governor of the Bank of England, Mark Carney, [has called for more of the \\$100 tn held by big global investment firms to be channelled into green bonds](#) to help finance renewable energy. Last year, \$42bn of green bonds were sold worldwide.

Prior to the recent G20 meeting [a group of 130 institutions that control US\\$13tn of investments called on G20 nations](#) that have signed but not yet ratified the COP21 Paris Climate agreement to do so, to double investment in clean energy by 2020, and to force disclosure of climate-related financial risks.

### Solar Impulse

Solar Impulse has completed its historic round-the-world voyage but [don't expect to buy tickets for a solar flight for awhile...](#)

**Around the world, organizations are divesting from fossil fuels.  
Read the full Huffington Post article [here](#).**



350.ORG

Religious organizations have helped lead the charge against fossil fuel companies.

### In Britain

More than 3,500 churches in Britain have moved their electricity supply to renewables or are planning to do so. The Bishop of Salisbury is also encouraging the British to use renewable energy in their homes, schools and communities.

<https://www.theguardian.com/environment/2016/sep/01/churches-salvation-army-fossil-fuel-electricity>

The Labour opposition party says seven million British households are struggling to pay their energy bills. Meanwhile, the big six energy companies' profits have risen more than tenfold. Jeremy Corbyn, Labour's leader, proposes that to deliver clean, affordable heating and electricity in Britain a Labour government would change the energy supply system. It would use public investment to create over 200 local energy companies, giving towns, cities and localities "the powers they need to drive a clean, locally accountable energy system with public, not-for-profit companies", and create 316,000 jobs in wind, solar and wave power in the process.

<https://www.theguardian.com/environment/blog/2016/sep/07/why-labour-is-putting-energy-reform-at-heart-of-its-green-agenda-jeremy-corbyn?>

### In the USA

The Net Zero National Forum

Net zero building is likely to transform the built environment in the next two decades. Policy changes, new technology, and design and operational practice innovations are enabling creation of more energy efficient buildings. Will these changes be incorporated in new buildings going up in Nova Scotia?

Government officials can learn more about the policy changes this would require. Builders and developers can learn more about technological advances, particularly in capturing the energy of the sun, at the American Net Zero National Forum in Denver, Colorado from October 12 – 14, 2016. For more information see <http://gettingtozeroforum.org>.

### In Morocco

<https://www.theguardian.com/environment/2016/sep/05/morocco-to-give-600-mosques-a-green-makeover>

#### In Latin America

In Chile, two indigenous village solar engineers are bringing electricity to their village. See: <http://www.collective-evolution.com/2016/08/27/this-is-how-two-indigenous-solar-engineers-changed-their-village-in-chile/>

#### In Germany

Berlin is the latest municipality to pull its investments out of fossil fuels. Germany's energy mix in 2014 included 26.2% from renewables. There is a lot written about solar in Germany, but only 5.7% of its total energy is currently from solar. The country is still over 43% dependent on coal.

[http://www.huffingtonpost.com/entry/berlin-fossil-fuels-divest\\_us\\_576bf316e4b08cbaeab18794](http://www.huffingtonpost.com/entry/berlin-fossil-fuels-divest_us_576bf316e4b08cbaeab18794)

#### In Sub Sahara Africa

Akon, the Senegalese-American singer, rapper, songwriter, and record producer, is in the solar business in Africa. "Akon's company is the fastest growing solar powered electricity provider in the world." See <http://www.collective-evolution.com/2016/08/29/akon-provides-electricity-to-80-million-africans/> and <http://akonlightingafrica.com/>

### Other solar news?

The above is just a selection of news about the rapid development of solar, particularly in other parts of the world. Please send solar news that you think shouldn't be missed to "Attention Newsletter" at [infor@solarns.ca](mailto:infor@solarns.ca). Thanks!

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## Letter to the Editor



June 15, 2016

Re: Solar NS May 2016 Newsletter

Thank you for sending the link to the movie. It was excellent!

Cheryl Tardif

Thanks, Cheryl! In case others missed the film see:

<http://www.catchingthesun.tv/seethefilm/>

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Solar Nova Scotia is always looking for volunteers ready to initiate or support activities. Please call Ian Guppy at 902-425-5121 or 902-476-1610 to discuss your interests, ideas, and current possibilities.

#### **Become a Member of Solar Nova Scotia**

Solar Nova Scotia has three kinds of members. Ordinary members receive the newsletter, can volunteer, and can attend and vote at the Annual General Meeting. Contributing members and Corporate members, in addition, support the work of Solar Nova Scotia financially.

If you no longer want to receive the Solar NS newsletter, please unsubscribe by sending an email to [info@solarns.ca](mailto:info@solarns.ca)

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