

International Conference on Ocean Energy



For the first time in history the International Conference on Ocean Energy was held outside Europe. With it's emphasis on harnessing the Bay of Fundy as a source for electrical energy, the conference was held in Halifax in early November. Shown above are approximately of the delegates on their visit to the FORCE tidal energy interpretive and research centre at Black Rock, Parrsboro (Submitted)

By Maurice Rees

For the first time in history the International Conference on Ocean Energy (ICOE) was held outside Europe. It chose Halifax so it could visit the FORCE's Interpretive and Research Centre outside Parrsboro. Approximately 50 international delegates make the November 3rd trip to FORCE's Tidal Power Research & Interpretive Centre outside Parrsboro.

During a speech to ICOE on Tuesday, November 4th, Energy Minister, Andrew Younger, announced the government is exploring adding another berth at the Fundy Ocean Research Centre for Energy (FORCE).

The province is in discussions with Ireland-based renewable energy development company DP Energy

about installing a 4.5-megawatt tidal stream demonstration power plant at the FORCE test site.

"DP Energy's interest at FORCE is another example of Nova Scotia's leadership position in the global tidal sector," said Mr. Younger. "Industry leaders recognize that Nova Scotia has the tidal resource, the workforce, and an existing ocean technology sector, and is a great location for developers to test their technology in one of the best tidal resources in the world."

Four other tidal energy projects that will test technologies at FORCE are: Minas Energy, with Siemens (Marine Current Turbines) and Bluewater; Black Rock Tidal Power Inc.; Atlantis Operations Canada, with Lockheed Martin and Irving Shipbuilding and

Cape Sharp Tidal Venture (OpenHydro and Emera).

Electrical upgrades to accommodate the next level of device deployments, including small arrays, at FORCE were announced by Minister Younger last March, when the government committed more than \$4 million. The research centre recently announced it has installed four subsea cables to its four berths in the Minas Passage of the Bay of Fundy.

The provincial government released a statement on November 4th of best practice for in-stream tidal energy development and operation, as a guide to develop the tidal industry in an environmentally and socially responsible manner. The first devices are expected to be in place in 2015.

Shoreline Journal interview with Jason Kenney

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While in Nova Scotia, Minister Kenney took note of the advancements being made in the working model project involving local Aboriginal communities—a project supported by the Government of Canada with an investment of \$6 million under ESDC's Skills and Partnership Fund.

Early in the morning of November 7th, Kenney toured the Irving Shipyard in Halifax and spoke with employees and management about the Government of Canada's support for skills training and training for apprentices, two crucial needs as Irving Shipbuilding prepares to build combat ships in support of the National Shipbuilding Procurement Strategy.

At noontime in a speech to the Halifax Chamber of Commerce, Kenney highlighted how government and industry must work together to ensure Canadians have the skills and training needed for jobs in demand in the Canadian economy. He

explained that this is the route to Canada's future economic opportunities and continued prosperity.

He said the path to success includes more employer-led training and faster foreign credential recognition for internationally trained professionals, as well as better labour market information. He also pointed to the need to harmonize apprenticeship training across jurisdictions, an area where the Atlantic Provinces are leading the way, and

underscored the benefits of the Government's recent improvements to the immigration system, which include quicker access to highly skilled professionals.

Kenney, who many suggest may be a future leader of the Conservative Party, has represented his riding of Calgary Southeast since 1997 and serves in the Harper's Conservative government as Minister of Employment and Social Development and Minister for Multiculturalism.



Minister of Employment and Social Development Jason Kenney and Parliamentary Secretary to Minister of Employment and Social Development Scott Armstrong.

How much water do you drink?

By Chris Urquhart

How much water do you drink? Do you get your "eight glasses a day"? Are 8 glasses a day enough or too much? How many folks do you know who say they don't want to drink anything before going to bed because they'll have to get up during the night?

I asked my Doctor why people need to urinate so much at night time. The answer was: Gravity holds water in the lower part of your body when you are standing (legs swell). When you lie down and the lower body (legs and etc.) seeks level with the kidneys, it is then that the kidneys remove the water because it is easier. I

knew you need your minimum water to help flush the toxins out of your body, but this was news to me.

Drinking water at a certain time maximizes its effectiveness on the body: 2 glasses of water after waking up - helps activate internal organs; 1 glass of water 30 minutes before a meal - helps digestion; 1 glass of water before taking a bath - helps lower blood pressure and 1 glass of water before going to bed - avoids stroke or heart attack.

I can also add to this... My Physician told me that water at bed time will also help prevent night time leg cramps. Your leg muscles are seeking hydration when they cramp

and wake you up with a Charlie Horse. So, I suggest that you start drinking more water. The stuff that comes out of your tap is good for you! And a lot cheaper than pop, coffee or other liquids!



Potential 5TH Berth Announced for FORCE

By Maurice Rees

On November 4th Energy Minister Andrew Younger told delegates to the International Conference on Ocean Energy meetin in Halifax, the government is exploring adding another berth at the Fundy Ocean Research Centre for Energy (FORCE).

Discussions are underway with Ireland-based renewable energy development company DP Energy about installing a 4.5-megawatt tidal stream demonstration power plant at the FORCE test site in Parrsboro.

2014 has seen a lot of progress at the Minas Passage site on the Bay of Fundy just outside Parrsboro. In March government committed more than \$4 million for electrical upgrades to accommodate

the next level of device deployments; The research centre recently completed installation of four subsea cables to its four berths (See October Issue).

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