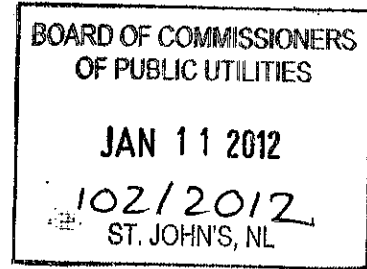


From: [REDACTED]
ent: January 11, 2012 12:55 PM
To: PUB Muskrat Falls Review
Subject: Nalcor population assumptions



To whom it may concern:

In connection with the Muskrat Falls review, I would like to simply point out a problem with Nalcor's population assumptions contained in the following document which Nalcor has filed with the Board:

<http://www.pub.nf.ca/applications/MuskratFalls2011/files/exhibits/Exhibit1-Addendum-LoadForecast.pdf>

To wit: the population assumptions are for the province as a whole (not the island interconnected area, which is the only relevant demographic); they are already out of date, and they are over-optimistic: the provincial population in 2011, per Statistics Canada figures, was already below the projected population Nalcor is assuming in its projection.

More detail on this point is available here:

<http://labradore.blogspot.com/2011/08/forecast-i.html>

labradore

"We can't allow things that are inaccurate to stand." — The Word of Our Dan, February 19, 2008.

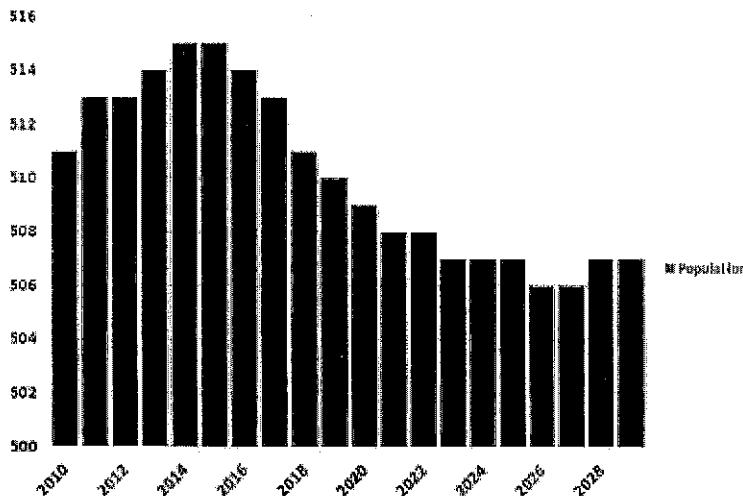
Wednesday, August 03, 2011

The forecast (I)

Some interesting numbers are to be found in a document entitled **Exhibit 1 Addendum: NLH 2010 PLF for the Island Interconnected System**, which Nalcor has filed with the Public Utilities Board.

Let's turn some of those numbers into pretty charts. Yes, let's.

First, here is Nalcor's working assumption for population (in thousands, axes do not cross at zero):



Now, note that while this is one of the primary forecast assumptions in connection with the Island Interconnected system's planning load forecast — "Island" here referring to the one called Newfoundland — the population figures are more in line with those of the province as a whole. That is, including Labrador. Labrador, where the Muskrat Falls power would be generated, but not actually used.

By 2021, Nalcor's working assumption is that something (Island? province?) will have a population that has declined to 508,000. It would probably be indelicate to point out that 2021 came early this year, according to the **latest Statistics Canada intercensal population estimate**.

Second, here's Nalcor's figures for estimated number of domestic hydro customers on its own, and Light and Power Byes' grids (in thousands, axes do not cross at zero):

About Me

Name: WJM

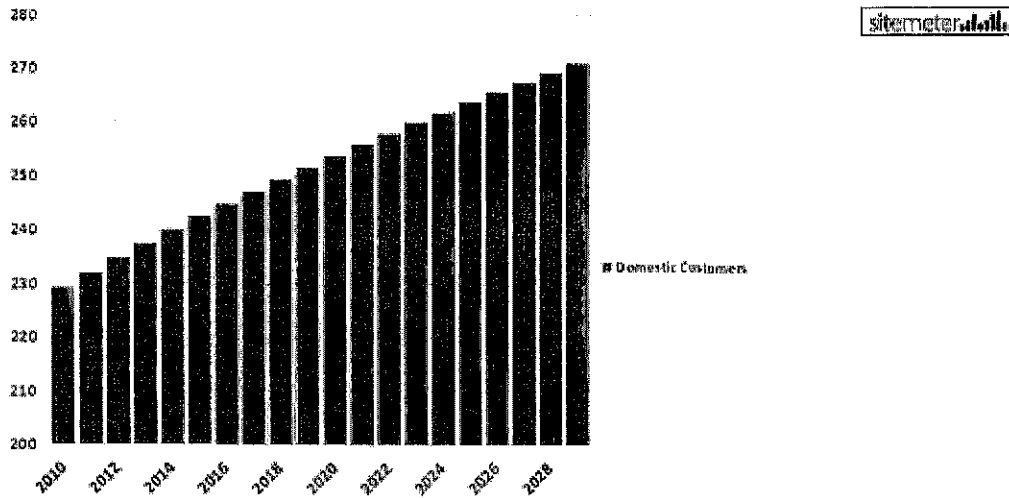
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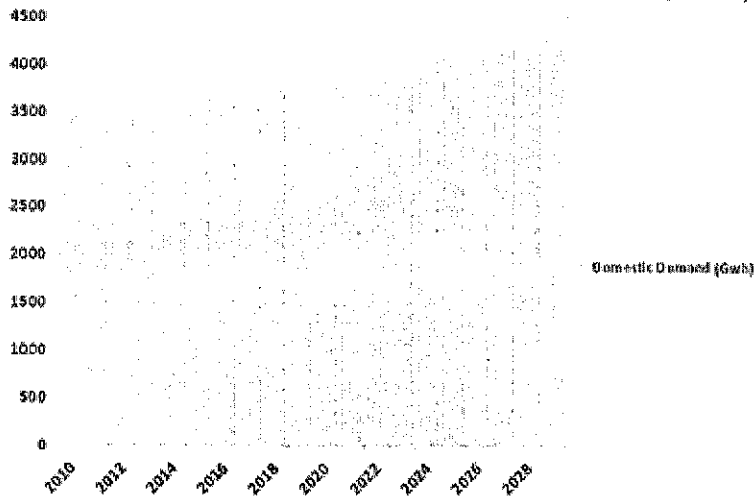


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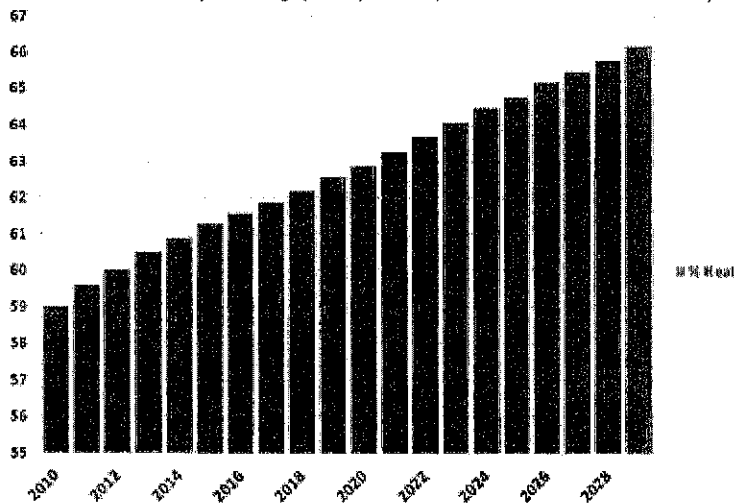


Population goes down. Number of domestic customers goes up. More on that anon.

Here are Nalcor's assumptions about the total domestic electrical demand (in Gwh):




And this is Nalcor's assumption as to how much of that domestic demand will be consumed in residential (and other domestic) heating (as a percent, axes do not cross at zero):



Labels: **Lowered Churchill expectations, pretty charts**

posted by WJM @ 1:43 AM

1 COMMENTS:

At 2:09 PM, August 03, 2011,  rod said...

These charts must reflect the STD rate increase mentioned in the bondpapers.

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Table 2 Quarterly demographic estimates

Quarterly demographic estimates			
	January 1, 2011 ¹	April 1, 2011 ¹	January 1 to April 1, 2011
	number		% change
Canada	34,278,406	34,349,236	0.2
Newfoundland and Labrador	509,148	508,410	-0.1
Prince Edward Island	143,481	143,836	0.2
Nova Scotia	943,414	942,334	-0.1
New Brunswick	753,232	753,025	0.0
Quebec	7,942,983	7,957,591	0.2
Ontario	13,282,444	13,310,859	0.2
Manitoba	1,243,653	1,246,396	0.2
Saskatchewan	1,052,050	1,053,960	0.2
Alberta	3,742,753	3,758,234	0.4
British Columbia	4,554,085	4,563,296	0.2
Yukon	34,306	34,377	0.2
Northwest Territories	43,554	43,505	-0.1
Nunavut	33,303	33,413	0.3

1. Preliminary postcensal estimates.

Note(s): These estimates are based on 2006 Census population counts adjusted for census net undercoverage and incompletely enumerated Indian reserves.

Date Modified: 2011-07-05