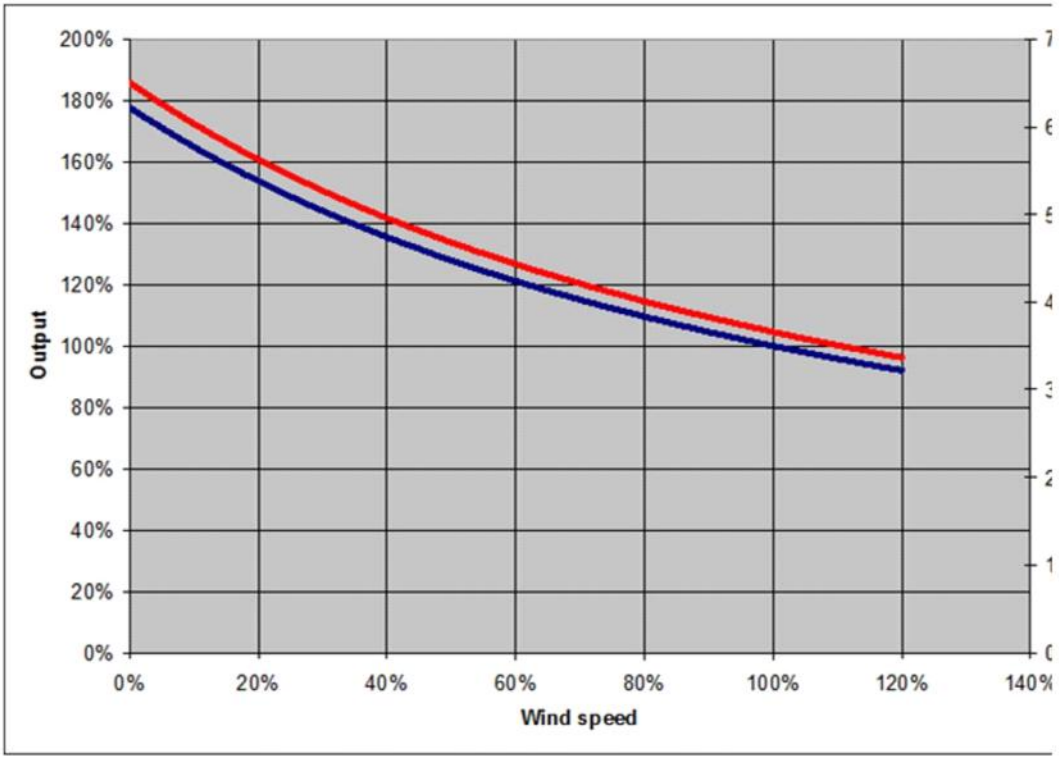
Jean Pierre Finet2

De : "Ziegler, Urban" <UrbanT.Ziegler@RNCan-NRCan.gc.ca>
Date : 13 janvier 2014 08:41
À : "Jean Pierre Finet2" <jfinet2@sympatico.ca>
Objet : RE: Wind Factor Interpretation in Retscreen V4

Hi J-P,

No we have never said that. The wind speed has a big impact on the performance of these systems and should be included. Wind speed in the RETScreen climate database is measured at 10 m above ground typically at non sheltered location such as airports. If the building is in a sheltered location or detailed information about wind directions and diurnal variation is available this should be modelled.

Here is a sample report showing the effect of changing the wind speed for a project in Montreal.



The correct wind speed is very important for the calculation of the performance of these types of systems.

Best regards,

Urban T. Ziegler, M.Sc., P.Eng.
Chief Engineer | Ingénieur en chef
RETScreen International

CanmetENERGY | CanmetÉNERGIE

Natural Resources Canada | Ressources naturelles Canada
1615, Lionel-Boulet, Varennes, Quebec, Canada J3X 1S6

Urban.Ziegler@NRCan.gc.ca
Telephone | Téléphone: +1-519-747-1558

Government of Canada | Gouvernement du Canada
www.canmetenergy.nrcan.gc.ca | www.canmetenergie.rncan.gc.ca
www.retscreen.net

From: Jean Pierre Finet2 [mailto:jfinet2@sympatico.ca]
Sent: January 12, 2014 19:42
To: Ziegler, Urban
Subject: Wind Factor Interpretation in Retscreen V4
Importance: High

Dear Mr. Ziegler,

My name is Jean-Pierre Finet and I am a consultant for a group of environmental organizations intervening at the Quebec Energy Board as part of Gaz Métro's rate case.

An evaluation report of the Solar Pre-Heating Program filed by Gaz Métro established that the wind factor has been ignored completely for 9 of the projects and not considered properly for 3 other projects. This resulted in over evaluating savings by more than 100 000 cubic meters of natural gas and more than 300 000$ in financial incentives.

The decision to allow this situation would have been based on the manufacturer of the Lubi product, Enerconcept, who mentions in page 6 of the product technical specifications that: "*...the developers of RETScreen have suggested to change the speed of winds to 0 before making a simulation in order to obtain realistic results*." (My translation)

I would like to know if the statement made by Enerconcept reflects the reality and that NRCan actually authorized to make such a statement.

Please find attached the evaluation report of the program. You can access the Lubi product specifications at the following address. http://www.enerconcept.com/wp-content/uploads/2012/03/Lubi-V1.3_FR_F%C3%87vrier-2013_FINAL.pdf

Please let me know if you have any questions. You can reach me on my cell at 514 983-7559.

Regards,

J.-P. Finet

2014-02-13