

From: J. Brook <jcbrook@vtelwireless.com>

Sent: Friday, October 4, 2024 5:16 PM

To: PUC - Clerk <PUC.Clerk@vermont.gov>

Cc: Mike Mrowicki <mmrowicki@leg.state.vt.us>; wharrison <wharrison@leg.state.vt.us>;
nhashim@leg.state.vt.us

Subject: Re: CLEAN HEAT STANDARD - PUBLIC COMMENT ... REFERENCES for the letter I sent this morning ...

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<https://scienceofclimatechange.org/wp-content/uploads/Beck-2010-Reconstruction-of-Atmospheric-CO2.pdf>

... Atmospheric CO2 concentrations have been measured since the beginning of the 19th century with remarkable precision. ...

The year 1960 marked the transition time when a methodical change occurred by no longer using old wet chemical methods, but new physical infrared spectroscopic NDIR methods by analysing a continuous gas stream. Charles Keeling introduced the new method at the Mauna Loa Observatory (Hawaii) in 1958. It is remarkable that no calibration of the new NDIR method versus the old chemical methods can be found in literature. ...

[Having trouble cutting and pasting from this PDF.]

https://21sci-tech.com/Subscriptions/Spring%202008%20ONLINE/CO2_chemical.pdf

180 Years of Atmospheric CO2 Measurement By Chemical Methods

Ernst-Georg Beck

“Thousands of direct chemical measurements of CO2 concentration in the atmosphere since the mid-19th Century show that the current claim of human-induced CO2 increase is a willful fraud. ...

“In other words, the historical CO2 data acceptable to Callendar and Keeling had to be sufficiently low to be consistent with the greenhouse hypothesis that climate change is controlled by rising CO2 emissions from fossil fuel burning. There was no verification or falsification of results and methods used by many other authors, especially those published in the 20th Century (for example, Lundegardh [35, 36], Duerst [37], Kreutz [38], Misra [39], Scholander [40])—with exception of the 1935 data of Buch [32], lying on the “fuel line” (Callendar 1958 [20]).

“According to Callendar, Keeling, and the IPCC, CO2 variations observable in air were due to diurnal and seasonal cycles (see Figure 2), or to glacial/interglacial fluctuations. Natural concentrations are assumed to have been in equilibrium until mankind disturbed the

natural situation. **Therefore, any long-term observations that might display decadal to centennial natural variations in atmospheric CO2 are ruled out a priori by Callendar and Keeling. ...**

<https://books.google.com/books?id=ihka27QwGfcC&printsec=frontcover&dq=Air+and+rain,+Smith&hl=en&sa=X&ved=2ahUKEwixh4rC0fWIAxWHKVKFHYYyGIHsQ6AF6BAgDEAE#v=onepage&q=Air%20and%20rain%2C%20Smith&f=false>

Air and Rain: The Beginnings of a Chemical Climatology
Robert Angus Smith

<https://2009-2017.state.gov/secretary/remarks/2014/02/221704.htm>

Remarks
John Kerry
Secretary of State
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February 16, 2014

Jacqueline Brook
Putney