

FOIA MARKER

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Carbon Equivalent Data

Stack:	Row:	Section:	Shelf:	Position:
S	61	6	3	1

Concentrations

tel. con
M. Barb Watson
1.4.91



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Carbon Equiv. Atmos. Concentrations

British Nat
Office - Chris
H. Jollard

Det

420 ppm/v - Tom Wigley

50% 11 over pH.
understated

280

double CO_2

2020-2025

2022 w/ bus as usual

≈ 560

Butters up and of CO_2
SPEC underestimated $CO_2 \approx CCFC$



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all

301-929-8642

Bottoms - up -

12 countries -- v. careful

analysis of ^{projected} energy use.

Denis Terpoke @ EPA.

Sagn. & Deford - still v.

Controversial.

not very carefully estimated
by EPA - all the holes in analysis.
Q = ask B. Watson - but is it an overestimate?

diary Drg-
PN

PHOTOCOPY
PRESERVATION

United States Senate

WASHINGTON, DC 20510-4202

Date: January 4, 1991

To: Katie McGinty, Albert Gore Jr.

S

From: Katie McGinty

co2 equivalent data--

bob watson worked out these figures:

1990: 420 ppm by vol

this value represents a 50% increase over pre-industrial rates
(pre-industrial is 280 ppm by volume).

bob projects that -- assuming a business as usual approach - we will
see a doubling of the carbon equivalent concentration from
pre-industrial times (to 560 ppm by vol) by roughly 2020-2025.

You should represent these numbers as the best estimates
available--watson is confident of these numbers, but recall that he
did not have the data from the IPCC information and had to derive them
himself.

a note on "business as usual"- some dismiss these scenarios because
the IPCC did not take the phasing out of CFC's into account in
computing concentrations. you should know though that more extensive
analyses (done by denis terpak at epa) have shown that the ipcc had
underestimated the co2 emissions from energy sources. correcting for
the 2 errors, terpak found that the business as usual trends are
accurate.