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Climate Change Documents Requests April 1998 [Binder] [2]

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ONE HUNDRED FIFTH CONGRESS

Congress of the United States

House of Representatives

COMMITTEE ON GOVERNMENT REFORM AND OVERSIGHT

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WASHINGTON, DC 20515-6143

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March 11, 1998

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FOR NAME AND TITLE, VERIFICATION
INDICATED BY

BY FACSIMILE

The Honorable John H. Gibbons
Director, Office of Science
and Technology Policy
Washington, D.C. 20502

Dear Director Gibbons:

The Subcommittee on National Economic Growth, Natural Resources, and Regulatory Affairs is conducting oversight of the White House Initiative on Global Climate Change.

Pursuant to the Constitution and Rules X and XI of the United States House of Representatives, please provide the Subcommittee with detailed information in response to the attached questions regarding the budget, performance measures, legislation, regulations, and analyses for this initiative. Please restate each question before the corresponding answer.

Please contact Subcommittee Staff Director Mildred Webber at 225-4407 if you have any questions about this request. Please provide this information not later than 12 noon, March 31, 1998 to the Subcommittee in Room B-377 Rayburn.

Thank you in advance for your attention to this request.

Sincerely,

David McIntosh

David M. McIntosh
Chairman

Subcommittee on National Economic Growth,
Natural Resources, and Regulatory Affairs

cc. The Honorable Dan Burton
The Honorable John Tierney

Enclosure

Questions for Each Agency with Any Climate Change Funding

1. Please provide a table with Fiscal Year (FY) 89 - FY 99 historical budget authority for your agency for the various components of the President's "Climate Change Technology Initiative," including the previous "Climate Change Action Program/Plan" and any other new or previously authorized Research and Development (R&D) herein (except for the U.S. Global Change Research Program included in Question 3 below). For each component, please indicate each specific budget account, the specific legislative authority (including the specific statute, the section citation, and the language of the section) for the program, and a brief description of the program.

2. In Section 2 ("Programmatic Details") of OMB's February 2, 1998 handout, "Climate Change Technology Initiative - 1999 Budget Briefing Materials," please provide the following information associated with each paragraph description in which your agency has been funded or is requesting funding: the associated funding in FY 97, FY 98, and FY 99. Also, for each paragraph, for the requested funding in FY 99, please provide evidence of any accomplishments from the FY 93 - FY 97 funding, if any. Lastly, for each paragraph, please indicate any program performance measures for the requested funding, and, for each such measure, please provide data for the 1990 base year and annual data for the most recent three-year period for which data are available.

3. Please provide a table with FY 89 - FY 99 historical budget authority for your agency for the various components of the "U.S. Global Change Research Program" which were or are devoted exclusively to climate change R&D. For each component, please indicate each specific budget account, the specific legislative authority for the program (including the specific statute, the section citation, and the language of the section), and a brief description of the program.

If funded in any of FY 93 - FY 97, please provide evidence of any accomplishments from these dollars. Also, for requested funding in FY 99, please indicate any program performance measures for the requested funding, and, for each such measure, please provide data for the 1990 base year and annual data for the most recent three-year period for which data are available.

4. Please provide a table with FY 89 - FY 99 historical budget authority for your agency for any other components of the Administration's climate change program (i.e., in addition to those included in answer to questions 1 and 3). For each component, please indicate each specific budget account, the specific legislative authority for the program (including the specific statute, the section citation, and the language of the section), and a brief description of the program.

5. For the FY 99 request, please provide a table showing what part is funding to continue initiatives funded in FY 98 or prior years and what part is brand new activity. For each component, please indicate each specific budget account, the specific legislative authority for the program (including the specific statute, the section citation, and the language of the section), and

a brief description of the program. For each brand new activity, please indicate expected requested funding annually through FY 03.

6. Please identify the full set of your agency-specific performance measures for the Administration's Climate Change proposal (besides those indicated in response to questions 2 and 3), including data for at least the 1990 base year, FY 97, FY 98, and FY 99. Also, please identify how any of your agency-specific measures (including those in response to questions 2 and 3) relate to those for any other Federal agency. Lastly, please describe any interagency efforts to identify and relate the entire set of climate change performance measures, including which agencies are involved and the names of the agency representatives.
7. Please provide a table for FY 93 - FY 97 identifying all assistance (including grants, cooperative agreements, and other transactions) and contract awards to non-profit and for-profit organizations for any climate change activity, including the date, amount of the award, name of the organization, purpose of the award, and a summary of any result(s) from the award. Please provide a copy of any final report from these awards.
8. Since January 1993, has your agency participated in any interagency effort(s) relating to climate change in any of the following areas: (a) review of current legislation and/or the need for any new legislation; (b) review of current rules, any needed revisions to current rules, and/or any needed new rules; (c) production or review of any environmental data and/or analyses; (d) production or review of any cost-benefit data or analyses; and/or (e) production or review of any economic data and/or economic analyses? If so, please identify the interagency effort, its member agencies, its membership not only from your agency but also from other Federal agencies and/or any non-Federal parties, all drafts and analyses from the effort(s), and any comments from your agency on any drafts.
9. Since January 1993, has your agency either prepared or reviewed any environmental, cost-benefit, and/or economic data and analyses relating to the White House Initiative on Global Climate Change? If so, please provide a copy of all data, analyses, and any comments by your agency.
10. Did your agency comment on any of the draft testimony on climate change by Administration witnesses since the President's 1998 State-of-the-Union address (including, but not limited to, testimony by CEA Chair Janet Yellen on the Economics of the Kyoto Protocol before the House Commerce Committee)? If so, please provide a copy of the draft testimony and any comments by your agency.
11. Has your agency suggested any alternative policy options for climate change? If so, please provide a copy of all drafts and supporting analyses and any comments from other Federal agencies on your alternatives.

12. Does your agency plan to revise any existing legislation or propose any new legislation relating to climate change (including legislation that will have the effect of reducing greenhouse gas emissions whether or not that is the intended purpose of the legislation)? If so, please identify and describe all such initiatives, including a timetable for their development and submission to Congress. Also provide any and all legal and policy analyses regarding the applicability and availability of existing legislation to implement the Kyoto Protocol and any comments from other Federal agencies on the analyses.

13. Does your agency plan to revise any existing rules or propose any new rules relating to climate change (including regulatory actions that will have the effect of reducing greenhouse gas emissions whether or not that is the intended purpose of the regulatory action)? If so, please identify and describe all such initiatives, including any cost-benefit analysis, and a timetable for their development and promulgation. Also, provide any and all analyses that were prepared or considered of the cumulative effects on the U. S. economy and/or energy system of all or any combination of regulations that were issued since 1992, that were proposed, and that are being developed that have or will have such effects.

14. Has your agency participated in discussions or reviewed any documents relating to international emissions trading, joint implementation, and/or the Clean Development Mechanism? If so, please provide a copy of all drafts and any comment provided by your agency.

Definitions and Instructions for the Production of Records

1. When a request calls for the production of records, the Subcommittee requests all responsive records that are in the agency's possession, custody, or control through the date of the final submission of records to the Subcommittee, unless the request clearly states that the Subcommittee is only interested in records received during a particular time period.
2. Please sequentially number all records that you produce to the Subcommittee, and indicate the source of any record if the source is not accurately reflected on the record itself. Please submit all records on single-sided paper and submit an inventory of records produced if the volume is more than 100 pages.
3. To the extent practicable, please organize the records or documents in tabbed binders or folders that indicate which records are responsive to which requests for information.
4. For the purposes of this and related requests in the future, the "record" or "records" shall include any and all drafts, originals, and non-identical copies of any item whether written, typed, printed, electronically recorded, transcribed, punched, or taped, however produced or reproduced, and includes but is not limited to any writing, transcription, or recording, produced or stored in any fashion, including any and all computer entries, memoranda, notes, talking points, letters, journal entries, reports, studies, calendars, manuals, press releases, opinions, documents, analyses, messages, summaries, bulletins, e-mail messages (in hard copy and electronic forms), disks, the text of any alphanumeric messages or other electronic paging devices, briefing materials, cover sheets or routing cover sheets and any other machine readable material of any sort whether prepared by current or former officers and employees, agents, consultants or by any non-employee without limitation. "Record" or "records" shall also include redacted and unredacted versions of the same record.

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THE WHITE HOUSE
WASHINGTON

April 20, 1998

The Honorable David M. McIntosh
Chairman, Subcommittee on National
Economic Growth, Natural Resources,
and Regulatory Affairs
U.S. House of Representatives
2157 Rayburn House Office Building
Washington, D.C. 20515-6143

Dear Chairman McIntosh:

I am responding to your letter of April 2, 1998.

The National Economic Council was established by Executive Order 12835 (January 25, 1993). Its functions include:

(1) to coordinate the economic policy-making process with respect to domestic and international economic issues; (2) to coordinate economic policy advice to the President; (3) to ensure that economic policy decisions and programs are consistent with the President's stated goals, and to ensure that those goals are being effectively pursued; and (4) to monitor implementation of the President's economic policy agenda.

Unlike the Chair of the Council of Economic Advisers and the Chair of the Council on Environmental Quality, the Director of the NEC is appointed by the President without Senate confirmation, and he serves as an Assistant to the President, advising him directly. The employees of the NEC are political appointees under Title 3 of the U.S. Code rather than civil servants selected under Title 5. NEC's records are covered by the Presidential Records Act, and are not subject to FOIA because the NEC is not an "agency" within the meaning of that statute. As a matter of law and as a matter of function, the NEC is part of the White House.¹

As I said in my prior letter, requests from Congress directly to the White House Office, in furtherance of Congressional oversight of White House policy initiatives, raise significant issues regarding the confidentiality of Presidential decision making and the appropriate focus of

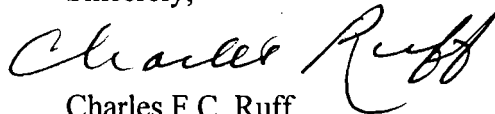
¹ That the Office of Policy Development, of which the NEC is a part, has its own budget account is irrelevant. The Office of the Vice President also has its own budget account, but is surely part of the White House.

The Honorable David M. McIntosh
April 20, 1998
Page 2

Congressional oversight. While Questions 1-7 of your request are simply inapplicable to the NEC, I cannot agree with your suggestion that Questions 8 through 14 do not intrude on Presidential decision making. The express focus of the request is White House policies. Your letter of March 11, 1998, specifically refers to the "*White House Initiative on Global Climate Change*." (Emphasis supplied). Asking a policy development component of the White House about its participation in a White House initiative, asking whether the NEC has suggested "alternative policy options for climate change" and whether it plans to propose legislation, requesting that it "provide any and all legal and policy analyses regarding the applicability and availability of existing legislation to implement the Kyoto Protocol," does indeed impinge on White House processes. During the previous Administration, the White House quite rightly did not produce similar information in response to a Congressional request for communications between the Competitiveness Council and Executive Branch agencies. What I have suggested is more modest -- that we simply follow the practice of directing oversight requests to Executive Branch agencies in order to avoid confronting these issues unnecessarily.

I am aware that you have sent document and informational requests to the Office of Management and Budget, the Council of Economic Advisers, the Council on Environmental Quality, the Office of Science and Technology Policy, Cabinet Departments, and smaller agencies. Should you be unable to satisfy your oversight needs through these extensive efforts, we will be happy to discuss further your request to the NEC.

Sincerely,



Charles F.C. Ruff
Counsel to the President

McIntosh I

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BERNARD ANDERSON, VERMONT
INDEPENDENT

March 6, 1998

BY FACSIMILE

The Honorable Franklin D. Raines
Director
Office of Management and Budget
Washington, D. C. 20503

The Honorable Kathleen A. McGinty
Chair
Council on Environmental Quality
Washington, D. C. 20502

Dear Director Raines and Chair McGinty:

The Subcommittee on National Economic Growth, Natural Resources, and Regulatory Affairs is conducting an inquiry concerning the economic, legal, and regulatory implications of the Administration's efforts to jump-start the process of reducing greenhouse gas emissions under the terms of the Kyoto Protocol.

Pursuant to the Constitution and Rules X and XI of the United States House of Representatives, please provide the Subcommittee with detailed information in response to the attached questions. In responding to this inquiry, please restate each question and subpart with each of your answers, and please follow the definitions and instructions concerning the production of records on the attached page.

Please provide your responses to the written questions and requests for production of records by March 20, 1998 to the Subcommittee's office in Room B-377 Rayburn. In addition, please contact Larisa Dobriansky, Senior Counsel, at (202) 225-4407 as soon as practicable to coordinate the timely production of the information to the Subcommittee.

Thank you for your cooperation in this matter.

Sincerely,



David M. McIntosh

Chairman

Subcommittee on National Economic Growth,
Natural Resources, and Regulatory Affairs

cc: The Honorable Dan Burton, Chairman
Committee on Government Reform and Oversight

The Honorable John Tierney, Ranking Member
Subcommittee on National Economic Growth,
Natural Resources, and Regulatory Affairs

The Honorable Henry Waxman, Ranking Member
Committee on Government Reform and Oversight

Questions on the Administration's Global Climate Change Policy Actions

IMPLEMENTATION WITHOUT RATIFICATION

"We have no intention through the back door or anything else, without Senate confirmation, of trying to impose or take any steps to impose what would be binding restrictions on our companies, on our industry, on our business, on our agriculture, on our commerce, or on our country, until and unless, the Senate of the United States says so."

Statement of the Honorable Stuart E. Eizenstat
Under Secretary of State for Economic, Business, and
Agricultural Affairs
Before the U.S. Senate Committee on Foreign Relations
February 1998

"Whether there is an agreement in Kyoto or not, the United States is prepared, under President Clinton's leadership, to unilaterally take steps that we believe should be taken in order to deal with this problem."

Statement of Vice President Gore
December 1997

Unilateral Executive Actions on a Global Issue.

- Q 1. Given that the Kyoto Protocol seeks to address a global issue, isn't it harmful to U.S. interests to proceed without the full participation of developing countries? *Global*
- Q 2. Besides being unconstitutional, isn't it also premature and possibly counterproductive for the United States to take unilateral executive branch action, without ratification, when the Administration has characterized the Protocol as a "work in progress"? *Global*

A Budget Request without Justification or Ratification.

- Q 3. How can the Administration claim that its proposed Climate Change Technology Initiative (CCTI) is not intended to implement the Kyoto Protocol, when this initiative has been made an integral part of the President's Global Climate Change Initiative, and the initiative is specifically designed to alter market behavior in furtherance of the treaty's emissions reductions targets? *CC Task Force*

- 4a. In a hearing before the Senate Foreign Relations Committee on February 11, 1998, Under Secretary of State Eizenstat testified that the tax incentives and research funding that the President requested in his Fiscal Year (FY) 1999 Budget proposal are necessary to place the U.S. in a "position where we will be further down the road and won't have to make the kind of drastic
- CA*
NRC?

2

reductions that otherwise might be called for." Please provide all of the economic data and analyses upon which the Administration relied for this determination. As to any analysis, please identify who prepared it and provide all records containing comments by other federal agencies on the drafts.

Q 4b. Explain why the President decided to request \$6.3 billion in his budget proposal instead of the \$5 billion that he stated he would seek at the time that he announced his Climate Change Action Proposal on October 22, 1997. Was this decision affected by the fact that the Administration agreed at Kyoto to commit the U.S. to reducing greenhouse emissions by 7% below 1990 levels rather than stabilizing emissions at 1990 levels? OMB

Q 5a. Article 3.2 of the Kyoto Protocol states: "Each Party included in Annex I, by 2005, shall have made demonstrable progress in achieving its commitments under this Protocol." Please explain how the Administration is interpreting this provision of the treaty. State

Q 5b. Does the Administration believe that its Global Climate Change Initiative, including the CCTI, will enable the U.S. to make demonstrable progress in achieving its commitments under the Kyoto Protocol? C. T. - fore

5c. Please provide and document the Administration's annual performance measures for its 5-year Climate Change Technology Initiative (CCTI). In this regard, provide the following: the 1990 U.S. emissions level, data on actual emissions reductions for Fiscal Year 1997, and then projected emissions reductions beginning with Fiscal Year 1997 and then for each year up to and including Fiscal Year 2003. OSTEP

Q 5d. Please specify the annual greenhouse gas emissions reductions that the Administration estimates will occur between FY 1999 and FY 2005 from implementing each element of its Global Climate Change Initiative. OSTEP

Q 6a. The Administration has maintained that the CCTI is a "no-regrets" proposal; that is, regardless of whether or not there is a real threat of global warming, this proposal is justified on its own merits as good energy and environmental policy. In view of this claim, please demonstrate the need for this initiative based on reasons other than facilitating greenhouse gas emissions reductions. CEA

6b. In this regard, provide the environmental and economic data and analyses that support this request on its own merits. CEA

Q 6c. Can the Administration point to a significant market failure or demonstrate a compelling public need that necessitates \$3.6 billion of new tax incentives and a 73 percent increase in funding to accelerate the development and diffusion of more energy efficient technology? According to OECD data, U. S. energy efficiency since 1980 has improved more than that of most industrialized countries. CEA

3

6d. Please provide a detailed explanation of and produce all records indicating the alternative policy options that the Administration analyzed, including more broadly-based options, such as integrated pollution prevention, performance-based regulation, and multi-media regulation. In this regard, did the Administration evaluate whether existing regulation may be a significant barrier to improving energy efficiency and the environment? CEA

6e. Please explain in detail and fully document the cost-effectiveness of the Administration's proposal when compared to other available options for improving energy efficiency and the environment. CEA

6f. Please explain in detail and fully document the opportunity costs of committing such a significant amount of our nation's resources in this manner. CEA

6g. As to any analysis provided, identify who prepared it and provide all records of comments by other federal agencies. CEA

7. How realistic and achievable are the targets and timetables that the U.S. delegation agreed to at Kyoto, if it is necessary to take unilateral executive branch actions prior to Senate ratification in order "to get us in a position where we will be further down the road and won't have to make the kind of drastic reductions that otherwise might be called for"? CEA

8. Under section 102 of the National Environmental Policy Act, the federal government is required to provide a detailed environmental impact statement (EIS) and to follow specified procedures for review and comment whenever it is recommending to Congress legislation that "affects the quality of the human environment". Please provide any EIS (or draft EIS, if not finalized) that was prepared in connection with the Administration's requests for tax incentives and research funding to facilitate greenhouse gas emission reductions. With respect to any EIS, identify who prepared the document and provide all records of written and oral comments from other federal agencies. CEA

The Inescapable Regulatory Backdoor.

9. In its 1997 U. S. Climate Action Report under the current Framework Convention on Climate Change, the Administration made this statement: "Recognizing that even the most draconian measures would likely be insufficient to reverse the growth in greenhouse gases and return U.S. emissions to their 1990 levels by the year 2000, new U.S. efforts are focusing most intensively on the post-2000 period." Based on this assessment, how can the President assert that the U.S. commitments under the Kyoto Protocol are achievable with minimum economic costs? Provide any economic and legal analyses that demonstrate that U.S. obligations can be met without constraining U.S. economic growth and without imposing onerous and costly regulation. Also, please provide two copies of the 1997 U.S. Climate Action Report. CEA

6

and provide all records containing comments from other federal agencies. If not, please explain fully why not.

Q 17. Is there currently in place an interagency body that is analyzing the economic impacts on the U.S. of the mandatory restrictions specified in the Kyoto Protocol and evaluating alternative domestic policies to achieve those requirements? If so, please provide the same type of information about this group, as well as produce the same type of documents, which were requested in question number 15 above with respect to the "economics team." CEA

18. During its deliberations prior to Kyoto, did the Administration consider whether an agreement to stabilize emissions at 1990 levels or to reduce emissions below 1990 levels would result in lower economic growth? If so, how much lower economic growth did the Administration consider as acceptable in exchange for a treaty that would have at best only a marginal impact on reducing emissions? Please produce all records of such deliberations and all economic analyses and comments thereon (from federal agencies and private parties) that the Administration considered. JEA

Q 19. If the Administration did not prepare cost estimates of the impacts on the U.S. economy and the American people, how did the Administration determine its policy position first to stabilize emissions at 1990 levels by 2008-2012 and then later to deviate with confidence from that position and commit the U.S. to reducing emissions by 7 percent below 1990? CEA

20. At what point prior to or during the negotiations, did the Administration decide that emissions reductions below the 1990 baseline were acceptable? Who in the Administration and in Congress were consulted in making this decision? Did the Administration examine any public or private analyses in reaching this decision? If so, identify and provide the analyses upon which the Administration relied, with all comments that were submitted by any federal agency. CEA

Q 21. If economic analyses were prepared internally to support positions that the Administration intended to take at the Conference, why weren't these analyses made available to Congress and the American public, who all have a right-to-know the potential economic consequences of the President's climate change policies? CEA

22. Did the Administration review any private sector analyses completed prior to Kyoto? If so, please provide all records of comments thereon by federal agencies. JEA

23. The Clinton Administration indicated its recognition of Senate Resolution 98 (the Byrd-Hagel Resolution). Please describe in detail and document the steps that the Administration already has taken and intends to take to assure compliance with each provision of that Resolution. Stabe

POLICIES WITHOUT ECONOMIC ANALYSIS

"By providing incentives for early action to reduce emissions, attacking domestic energy inefficiencies, and putting in place a market-based emissions trading system, we can reach [our emission reduction targets] with minimum economic costs."

Statement of President Clinton
Climate Change Proposal
October 1997

The Administration's Repeated Failure to Conduct Economic Analysis.

14a. Given the significant economic costs projected by private sector studies, why did the Administration abandon a year and a half-long effort to develop cost estimates of the President's proposed policies to reduce greenhouse emissions? In testimony before the House Subcommittee on Energy and Power on July 15, 1997, the Chair of the Council of Economic Advisers, Dr. Janet Yellen, stated that President Clinton's top priority since his first days in office "has been revitalizing the U.S. economy, creating jobs, and investing in people and technology to enhance long-term growth."

14b. How can the Administration defend its policy actions based on the results of climate models that must take into account significant uncertainties surrounding the effects of human activities on the climate, yet nevertheless consider economic modeling to be "futile" (Dr. Yellen's expression at the House Commerce hearing on July 15, 1997)?

15a. In testimony before the House Commerce Committee in 1997, former Under Secretary of State Timothy Wirth stated that an interagency "economics team" was formed to analyze the impacts of climate change policies.

15b. Please provide the following background information regarding that group: when it was formed, the names of the participants and their agencies, the head of the team, the scope of the group's responsibilities, and to whom the group reported.

15c. Please produce records of all meetings of this group and information on any workshops conducted. Also, produce all analyses performed by the group and provide all records of written or oral comments from other federal agencies on the team's analyses and advice.

16. In developing its positions for the Conference in Kyoto, did the Administration at any point renew its efforts to estimate the costs of various policies to reduce greenhouse gas emissions? If so, please provide all economic analyses that were prepared for the Administration and the U.S. delegation to review. As to each analysis, please indicate who prepared the analysis

5/9/98

No Cost/Benefit Analysis of the Kyoto Treaty.

24a. Please provide any and all analyses that the Administration or any federal agency prepared (or is preparing) of the costs and benefits of imposing on the U.S. the binding targets and timetables set forth in the Kyoto Protocol for reducing greenhouse gas emissions, taking into account the global implications of the way in which this agreement is structured. Also, please analyze and document the following:

24b. Whether the benefits of implementing this Protocol are justified by the costs;

24c. Evaluate the effectiveness of this agreement by comparing the marginal abatement costs of the most plausible alternative scenarios for meeting the Kyoto targets, given the way in which this agreement is structured, with the marginal costs of other reasonable alternative compliance schemes;

24d. With respect to each scenario that is analyzed, identify the assumptions used, explain any uncertainties concerning the assumptions, and examine the sensitivity of net benefits to the different compliance strategies, using a range of plausible assumptions about future economic development and about fundamental climate processes;

24e. Evaluate the opportunity costs of pursuing the Administration's strategy for the abatement of greenhouse gas emissions under the terms of the treaty; and

24f. Evaluate how the benefits and burdens of complying with this treaty would be distributed on the national and household levels, describing, among other things, the disparate regional and industrial sector impacts, and the effects on different income levels.

25a. In evaluating alternative scenarios, please examine the following:

25b. Compare the economic and environmental effects of not including developing countries in the effort to reduce global emissions (with the potential for binding developed countries to even greater obligations, without limiting developing countries) against the effects of addressing greenhouse gas mitigation on a global scale by the international community.

25c. Compare the economic and environmental effects of complying within the timeframes set forth in the Kyoto Protocol with the effects of complying over a longer time period.

25d. Compare the impacts of reducing greenhouse emissions using international emissions trading, joint implementation, and the Clean Development Mechanism with the impacts of relying upon domestic emissions permit trading. In this regard, evaluate alternative international trading scenarios: trading only between Annex I countries, trading that extends to a number of "key" developing countries, and trading in which all countries are fully participating.

New Analysis

26. With respect to any analysis provided, please identify and explain the basis for assumptions used regarding such factors as the rate of improvement in energy efficiency, the effectiveness of market incentives in increasing the market share of fuels that emit less carbon, and economic and demographic growth. Also, explain fully any assumptions on how emissions reductions will be achieved, as for example, through the early retirement of coal plants or nuclear plant life extensions. *CEA*

27. In considering the opportunity costs, evaluate the extent to which the Administration's climate change strategy will require the diversion of funds from savings and/or investments which would have provided other benefits, such as saving social security, or more funding for education, health care, etc. *CEA*

New Analysis

28. In assessing the impacts on the U.S. of complying with the Kyoto targets and timetables, please explain in detail the potential effects on the following indicators of economic performance: gross domestic product (GDP), per capita GDP, unemployment, income and real wages, trade competitiveness, and energy prices. *CEA*

New Analysis

29. In assessing the benefits of complying with the Kyoto treaty, please evaluate fully the potential offsetting negative effects of exempting developing countries and of "carbon leakage." Also, if the economies of developed countries experience reductions in economic growth, evaluate the impact that this will have on the ability of emerging countries with export markets to transition to more energy efficient technologies. *CEA*

Q

30. President Clinton has suggested that the U.S. economy can continue to grow under this agreement. Please indicate at what rate the Administration expects that the economy will continue to grow during the next ten to 20 years if the treaty is ratified and at what rate it is expected to grow if the treaty is not ratified. *CEA*

Q

31. Have any of the cost/benefit analyses performed by the Administration or any agency been peer-reviewed? If so, please identify the reviewers provide their comments on the analyses. If not, does the Administration plan to do so? Please describe fully the steps that the Administration plans to take. *CEA*

Q

32. Please describe in detail the strengths and weaknesses of the methodology of any economic models used. Also, indicate the differences between the models used in any of the cost/benefit analyses performed post-Kyoto and those used in any prior analyses performed by the Administration. *CEA*

Q

33. In connection with these cost-benefit analyses, fully explain how the baseline(s) against which costs and benefits were calculated was determined. *CEA*

9

34a. Please provide all records of written or oral comments from other federal agencies on each of the cost/benefit analyses that were performed. *CEA*

34b. Please provide all records of comments submitted by federal agencies on Dr. Janet Yellen's draft testimony about the economics of Kyoto for the hearing before the House Commerce Committee on March 4, 1998. *CEA*

International Emissions Trading: Not a Panacea.

Q 35. As a practical matter, until the Conference of the Parties makes all of the decisions that it is empowered to make under Article 17 of the Kyoto Protocol concerning the establishment of rules and procedures for international emissions trading, isn't it premature for the Administration to forecast definitively that the agreement would result in, at most, modest energy price hikes? *CEA*

Q 36a. With respect to the rules and procedures for international emissions trading that have yet to be developed, what are the minimum requirements that the Administration is seeking to assure an efficient and effective system for lowering the costs of emissions reductions? *CEA*

Q 36b. Does the Administration intend to confer with Congress and obtain comments from Congress and the public in developing negotiating positions for Buenos Aires on rules and procedures for an international emissions trading system and for obtaining joint implementation project credit, including the Clean Development Mechanism? *State*

Q 37a. Why does the Administration believe it can obtain meaningful participation by developing countries and what steps is the Administration taking to achieve this? What indications of potential meaningful participation have been shown by developing countries that prompt this optimism? *State*

Q 37b. In particular, what are the steps being taken with respect to China, India, Mexico, Brazil, and South Korea and what indications of potential meaningful participation has the Administration received from these countries? *State*

Q 37c. Which countries does the Administration consider "key," in assuring that "meaningful participation" is secured? *State*

Q 38. Why does the Administration maintain that the U. S. acid rain program experience "clearly demonstrates how programs like international permit trading, joint implementation and the Clean Development Mechanism will lead firms to find cheaper ways of reducing emissions that can lead to unexpectedly low costs"? Is it appropriate for the Administration to extrapolate from that experience to the global arena? Won't the effectiveness of the international system, joint implementation, and the Clean Development Mechanism depend on such factors as the rules and procedures governing these mechanisms, the extent of participation by other countries, including developing countries, etc? *CEA*

10

Q 39a. Even assuming that effective rules and procedures can be developed for an international emissions trading system and for joint implementation projects and that key developing countries agree to participate, isn't there a real risk that these mechanisms could effect an enormous transfer of wealth and jobs out of this country overseas, especially to the countries of the former Soviet Union and emerging countries (i.e., that this system would be essentially a foreign aid program)? Some studies have estimated that more than 50% of our reductions would have to be purchased from other countries. CEA

39b. Please provide and document estimates of the percentage of U.S. emissions reductions that might have to be purchased from other countries to minimize the costs of reducing emissions and which countries likely would be the beneficiaries. CEA

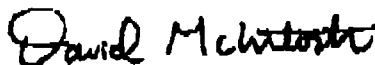
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Please contact Subcommittee Staff Director Mildred Webber at 225-4407 if you have any questions about this request. Please provide this information not later than 12 noon, March 24, 1998 to the Subcommittee in Room B-377 Rayburn.

Thank you in advance for your attention to this request.

Sincerely,



David M. McIntosh

Chairman

Subcommittee on National Economic Growth,
Natural Resources, and Regulatory Affairs

cc: The Honorable Dan Burton
The Honorable Bernard Sanders

Enclosure

Questions on the White House Initiative on Global Climate Change

1. Please provide a table with Fiscal Year (FY) 89 - FY 99 historical budget authority, on an agency-by-agency basis, for the various components of the President's "Climate Change Technology Initiative," including the previous "Climate Change Action Program/Plan" and any other new or previously authorized Research and Development (R&D) herein (except for the U.S. Global Change Research Program included in Question 2 below). For each component, please indicate each specific budget account and a brief description of the program.

OMB • For FY 93 and FY 95, please explain why the details in Table S-10 do not equal the totals in Table 6-2 in the Budget of the United States Government Fiscal Year 1996.

OMB • For FY 97, please explain the difference between the published figures in the Budget of the United States Government Fiscal Year 1998 (estimated \$183 million) and the Budget of the United States Government Fiscal Year 1999 (actual \$743 million), including any reprogramming from other budget accounts.

OMB • For FY 99, please explain why the published figures (the requested funding for key sectors) in Table 6-3 of the Budget of the United States Government Fiscal Year 1999 do not equal the total.

OMB
DOE
EPA
VDDA
DOC • In Section 2 ("Programmatic Details") of OMB's February 2, 1998 handout, "Climate Change Technology Initiative - 1999 Budget Briefing Materials," please provide the following information associated with each paragraph description: each affected agency and, for each agency, the associated funding in FY 97, FY 98, and FY 99. Also, for each paragraph, and for each agency, please provide evidence of any accomplishments from the FY 97 funding. Lastly, for each paragraph, and for each agency, please indicate any program performance measures for the requested funding and, for each such measure, please provide annual data for the most recent three-year period for which data are available.

2. Please provide a table with FY 89 - FY 99 historical budget authority, on an agency-by-agency basis, for the various components of the "U.S. Global Change Research Program" which were or are devoted exclusively to climate change R&D. For each component, please indicate each specific budget account and a brief description of the program.

OMB • For FY 93 actual figures for the "U.S. Global Change Research Program," please explain the differences among the published figures in the Budget of the United States Government Fiscal Year 1996 (\$1531 million), the Budget of the United States Government Fiscal Year 1997 (\$1319 million), and the Budget of the United States Fiscal Year 1998 (\$1464 million), including any reprogramming from other budget accounts.

OMB •

For FY 95 and FY 96, please explain why the details in Table 7-2 do not equal the totals in Table 6-2 of the Budget of the United States Government Fiscal Year 1996.

USCZP
Office •

For each agency with funding in FY 97, please provide evidence of any accomplishments from the FY 97 funding. Also, for each agency requesting funding in FY 99, please indicate any program performance measures for the requested funding and, for each such measure, please provide annual data for the most recent three-year period for which data are available.

OMB

3. Please provide a table with FY 89 - FY 99 historical budget authority, on an agency-by-agency basis, for any other components of the Administration's climate change program (i.e., in addition to those included in answer to questions 1 and 2). For each component, please indicate each specific budget account and a brief description of the program.

Q

4. Since the Government-wide Performance Plan for FY 1999 does not include any performance measures for the Administration's Climate Change proposal, please identify all government-wide and agency-specific performance measures for the Administration's Climate Change proposal, including data for at least FY 97, FY 98, and FY 99.

DOE •

The Performance Plan in DOE's FY 99 Budget submission includes goals of reducing gas emissions by 5 percent in 2010 and reducing energy consumption by 25 percent in 2010. Please provide at least FY 97, FY 98, and FY 99 data on gas emissions and energy consumption to meet these goals.

EPA •

EPA's FY 99 Budget includes goals of reducing emissions by 40 million metric tons and reducing energy consumption by 45 billion kilowatts. Please provide at least FY 97, FY 98, and FY 99 data on gas emissions and energy consumption to meet these goals.

DOE/EPA •

Please explain whether and how DOE's and EPA's performance measures overlap — i.e., whether they relate to reductions made by only that agency's programs or by all agencies' programs in the aggregate.

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March 11, 1998

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INDEPENDENTBY FACSIMILE

The Honorable Gene B. Sperling
 Assistant to the President for Economic
 Policy, National Economic Council
 Washington, D.C. 20500

Dear Mr. Sperling:

The Subcommittee on National Economic Growth, Natural Resources, and Regulatory Affairs is conducting oversight of the White House Initiative on Global Climate Change.

Pursuant to the Constitution and Rules X and XI of the United States House of Representatives, please provide the Subcommittee with detailed information in response to the attached questions regarding the budget, performance measures, legislation, regulations, and analyses for this initiative. Please restate each question before the corresponding answer.

Please contact Subcommittee Staff Director Mildred Webber at 225-4407 if you have any questions about this request. Please provide this information not later than 12 noon, March 31, 1998 to the Subcommittee in Room B-377 Rayburn.

Thank you in advance for your attention to this request.

Sincerely,

David McIntosh

David M. McIntosh
 Chairman

Subcommittee on National Economic Growth,
 Natural Resources, and Regulatory Affairs

cc: The Honorable Dan Burton
 The Honorable John Tierney

Enclosure

N/EC

Questions for Each Agency with Any Climate Change Funding

1. Please provide a table with Fiscal Year (FY) 89 - FY 99 historical budget authority for your agency for the various components of the President's "Climate Change Technology Initiative," including the previous "Climate Change Action Program/Plan" and any other new or previously authorized Research and Development (R&D) herein (except for the U.S. Global Change Research Program included in Question 3 below). For each component, please indicate each specific budget account, the specific legislative authority (including the specific statute, the section citation, and the language of the section) for the program, and a brief description of the program.
2. In Section 2 ("Programmatic Details") of OMB's February 2, 1998 handout, "Climate Change Technology Initiative - 1999 Budget Briefing Materials," please provide the following information associated with each paragraph description in which your agency has been funded or is requesting funding: the associated funding in FY 97, FY 98, and FY 99. Also, for each paragraph, for the requested funding in FY 99, please provide evidence of any accomplishments from the FY 93 - FY 97 funding, if any. Lastly, for each paragraph, please indicate any program performance measures for the requested funding, and, for each such measure, please provide data for the 1990 base year and annual data for the most recent three-year period for which data are available.
3. Please provide a table with FY 89 - FY 99 historical budget authority for your agency for the various components of the "U.S. Global Change Research Program" which were or are devoted exclusively to climate change R&D. For each component, please indicate each specific budget account, the specific legislative authority for the program (including the specific statute, the section citation, and the language of the section), and a brief description of the program.
 - If funded in any of FY 93 - FY 97, please provide evidence of any accomplishments from these dollars. Also, for requested funding in FY 99, please indicate any program performance measures for the requested funding, and, for each such measure, please provide data for the 1990 base year and annual data for the most recent three-year period for which data are available.
4. Please provide a table with FY 89 - FY 99 historical budget authority for your agency for any other components of the Administration's climate change program (i.e., in addition to those included in answer to questions 1 and 2). For each component, please indicate each specific budget account, the specific legislative authority for the program (including the specific statute, the section citation, and the language of the section), and a brief description of the program.
5. For the FY 99 request, please provide a table showing what part is funding to continue initiatives funded in FY 98 or prior years and what part is brand new activity. For each component, please indicate each specific budget account, the specific legislative authority for the program (including the specific statute, the section citation, and the language of the section), and

a brief description of the program. For each brand new activity, please indicate expected requested funding annually through FY 03.

6. Please identify the full set of your agency-specific performance measures for the Administration's Climate Change proposal (besides those indicated in response to questions 2 and 3), including data for at least the 1990 base year, FY 97, FY 98, and FY 99. Also, please identify how any of your agency-specific measures (including those in response to questions 2 and 3) relate to those for any other Federal agency. Lastly, please describe any interagency efforts to identify and relate the entire set of climate change performance measures, including which agencies are involved and the names of the agency representatives.

7. Please provide a table for FY 93 - FY 97 identifying all assistance (including grants, cooperative agreements, and other transactions) and contract awards to non-profit and for-profit organizations for any climate change activity, including the date, amount of the award, name of the organization, purpose of the award, and a summary of any result(s) from the award. Please provide a copy of any final report from these awards.

8. Since January 1993, has your agency participated in any interagency effort(s) relating to climate change in any of the following areas: (a) review of current legislation and/or the need for any new legislation; (b) review of current rules, any needed revisions to current rules, and/or any needed new rules; (c) production or review of any environmental data and/or analyses; (d) production or review of any cost-benefit data or analyses; and/or (e) production or review of any economic data and/or economic analyses? If so, please identify the interagency effort, its member agencies, its membership not only from your agency but also from other Federal agencies and/or any non-Federal parties, all drafts and analyses from the effort(s), and any comments from your agency on any drafts.

9. Since January 1993, has your agency either prepared or reviewed any environmental, cost-benefit, and/or economic data and analyses relating to the White House Initiative on Global Climate Change? If so, please provide a copy of all data, analyses, and any comments by your agency.

10. Did your agency comment on any of the draft testimony on climate change by Administration witnesses since the President's 1998 State-of-the-Union address (including, but not limited to, testimony by CEA Chair Janet Yellen on the Economics of the Kyoto Protocol before the House Commerce Committee)? If so, please provide a copy of the draft testimony and any comments by your agency.

11. Has your agency suggested any alternative policy options for climate change? If so, please provide a copy of all drafts and supporting analyses and any comments from other Federal agencies on your alternatives.

12. Does your agency plan to revise any existing legislation or propose any new legislation relating to climate change (including legislation that will have the effect of reducing greenhouse gas emissions whether or not that is the intended purpose of the legislation)? If so, please identify and describe all such initiatives, including a timetable for their development and submission to Congress. Also provide any and all legal and policy analyses regarding the applicability and availability of existing legislation to implement the Kyoto Protocol and any comments from other Federal agencies on the analyses.

13. Does your agency plan to revise any existing rules or propose any new rules relating to climate change (including regulatory actions that will have the effect of reducing greenhouse gas emissions whether or not that is the intended purpose of the regulatory action)? If so, please identify and describe all such initiatives, including any cost-benefit analysis, and a timetable for their development and promulgation. Also, provide any and all analyses that were prepared or considered of the cumulative effects on the U. S. economy and/or energy system of all or any combination of regulations that were issued since 1992, that were proposed, and that are being developed that have or will have such effects.

14. Has your agency participated in discussions or reviewed any documents relating to international emissions trading, joint implementation, and/or the Clean Development Mechanism? If so, please provide a copy of all drafts and any comment provided by your agency.

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Definitions and Instructions for the Production of Records

1. When a request calls for the production of records, the Subcommittee requests all responsive records that are in the agency's possession, custody, or control through the date of the final submission of records to the Subcommittee, unless the request clearly states that the Subcommittee is only interested in records received during a particular time period.
2. Please sequentially number all records that you produce to the Subcommittee, and indicate the source of any record if the source is not accurately reflected on the record itself. Please submit all records on single-sided paper and submit an inventory of records produced if the volume is more than 100 pages.
3. To the extent practicable, please organize the records or documents in tabbed binders or folders that indicate which records are responsive to which requests for information.
4. For the purposes of this and related requests in the future, the "record" or "records" shall include any and all drafts, originals, and non-identical copies of any item whether written, typed, printed, electronically recorded, transcribed, punched, or taped, however produced or reproduced, and includes but is not limited to any writing, transcription, or recording, produced or stored in any fashion, including any and all computer entries, memoranda, notes, talking points, letters, journal entries, reports, studies, calendars, manuals, press releases, opinions, documents, analyses, messages, summaries, bulletins, e-mail messages (in hard copy and electronic forms), disks, the text of any alphanumeric messages or other electronic paging devices, briefing materials, cover sheets or routing cover sheets and any other machine readable material of any sort whether prepared by current or former officers and employees, agents, consultants or by any non-employee without limitation. "Record" or "records" shall also include redacted and unredacted versions of the same record.

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EDWARD SANDERS, VERMONT
INDEPENDENT

April 2, 1998

BY FACSIMILE

The Honorable Charles F.C. Ruff
Counsel to the President
The White House
Washington, D.C. 20500

Dear Mr. Ruff:

This letter responds to your March 31, 1998 letter regarding my March 11, 1998 letter to Gene Sperling, Director of the National Economic Council (NEC), relating to the White House Initiative on Global Climate Change. In that letter, you refuse to allow the NEC to provide responses to my inquiry, claiming that such responses implicate the confidentiality of Presidential decision making.

This letter renews my request. My letter requested no information that implicates the confidentiality of Presidential decision making; rather, I requested information about the interagency process, including review of and comments on documents from sister agencies within the Executive Office of the President (EOP), e.g., the Council of Economic Advisers, and from Executive Branch agencies.

In addition, the NEC is an agency subject to Congressional oversight and not part of the White House Office.¹ The President's Budget shows that the Office of Policy Development (OPD), which includes the NEC staff, is an agency within the EOP and not part of the White House Office, i.e., OPD has its own budget account separate from the White House budget accounts. Also, the EOP Telephone Directory treats the OPD identically as the Office of Administration, a sister EOP agency.

My requests do not implicate the confidentiality of Presidential decision making. Specifically, questions 8 through 14 ask for information and documentation relating to climate change proposals, e.g., information and documentation relating to the NEC's participation in interagency efforts on climate change, the NEC's comments on analyses prepared by sister EOP

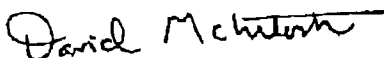
¹Even if the NEC were part of the White House Office, the White House Office is still subject to Congressional oversight.

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agencies and Executive Branch agencies, and the NEC's comments on draft testimony by witnesses from sister ROP agencies and Executive Branch agencies. In fact, information from "other sources," such as sister EOP agencies and Executive Branch agencies, may not include all of the requested information about the NEC's role.

To the extent that any request involves the confidentiality of Presidential decision making, please direct the NEC to prepare responses and documents for the Subcommittee and identify those responses and those documents that will not be produced based on the White House's claim that they involve the confidentiality of Presidential decision making and explain the basis for that claim.

Thank you in advance for your attention to this request.

Sincerely,



David M. McIntosh
Chairman
Subcommittee on National Economic Growth,
Natural Resources, and Regulatory Affairs

cc: The Honorable Dan Burton
The Honorable John Tierney

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FAX NUMBER: 395-6952

(395-5084)

FROM: LEGISLATIVE AFFAIRS 622-1900 (office) 622-0534 (fax)

Marie Levine

COMMENTS

Per your request. ~~Pls~~ Pls. call.

1998-SE-003057

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March 11, 1998

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JIM TURNER, TEXAS
THOMAS H. ALLEN, MAINE

BERNARD SANDERS, VERMONT
INDEPENDENT

BY FACSIMILE

The Honorable Robert E. Rubin
Secretary
Department of the Treasury
Washington, D.C. 20220

Dear Secretary Rubin:

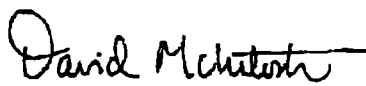
The Subcommittee on National Economic Growth, Natural Resources, and Regulatory Affairs is conducting oversight of the White House Initiative on Global Climate Change.

Pursuant to the Constitution and Rules X and XI of the United States House of Representatives, please provide the Subcommittee with detailed information in response to the attached questions regarding the budget, performance measures, legislation, regulations, and analyses for this initiative. Please restate each question before the corresponding answer.

Please contact Subcommittee Staff Director Mildred Webber at 225-4407 if you have any questions about this request. Please provide this information not later than 12 noon, March 31, 1998 to the Subcommittee in Room B-377 Rayburn.

Thank you in advance for your attention to this request.

Sincerely,



David M. McIntosh
Chairman

Subcommittee on National Economic Growth,
Natural Resources, and Regulatory Affairs

cc: The Honorable Dan Burton
The Honorable John Tierney

Enclosure

Questions for Each Agency with Any Climate Change Funding

1. Please provide a table with Fiscal Year (FY) 89 - FY 99 historical budget authority for your agency for the various components of the President's "Climate Change Technology Initiative," including the previous "Climate Change Action Program/Plan" and any other new or previously authorized Research and Development (R&D) herein (except for the U.S. Global Change Research Program included in Question 3 below). For each component, please indicate each specific budget account, the specific legislative authority (including the specific statute, the section citation, and the language of the section) for the program, and a brief description of the program.
2. In Section 2 ("Programmatic Details") of OMB's February 2, 1998 handout, "Climate Change Technology Initiative - 1999 Budget Briefing Materials," please provide the following information associated with each paragraph description in which your agency has been funded or is requesting funding: the associated funding in FY 97, FY 98, and FY 99. Also, for each paragraph, for the requested funding in FY 99, please provide evidence of any accomplishments from the FY 93 - FY 97 funding, if any. Lastly, for each paragraph, please indicate any program performance measures for the requested funding, and, for each such measure, please provide data for the 1990 base year and annual data for the most recent three-year period for which data are available.
3. Please provide a table with FY 89 - FY 99 historical budget authority for your agency for the various components of the "U.S. Global Change Research Program" which were or are devoted exclusively to climate change R&D. For each component, please indicate each specific budget account, the specific legislative authority for the program (including the specific statute, the section citation, and the language of the section), and a brief description of the program.
 - If funded in any of FY 93 - FY 97, please provide evidence of any accomplishments from these dollars. Also, for requested funding in FY 99, please indicate any program performance measures for the requested funding, and, for each such measure, please provide data for the 1990 base year and annual data for the most recent three-year period for which data are available.
4. Please provide a table with FY 89 - FY 99 historical budget authority for your agency for any other components of the Administration's climate change program (i.e., in addition to those included in answer to questions 1 and 2). For each component, please indicate each specific budget account, the specific legislative authority for the program (including the specific statute, the section citation, and the language of the section), and a brief description of the program.
5. For the FY 99 request, please provide a table showing what part is funding to continue initiatives funded in FY 98 or prior years and what part is brand new activity. For each component, please indicate each specific budget account, the specific legislative authority for the program (including the specific statute, the section citation, and the language of the section), and

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a brief description of the program. For each brand new activity, please indicate expected requested funding annually through FY 03.

6. Please identify the full set of your agency-specific performance measures for the Administration's Climate Change proposal (besides those indicated in response to questions 2 and 3), including data for at least the 1990 base year, FY 97, FY 98, and FY 99. Also, please identify how any of your agency-specific measures (including those in response to questions 2 and 3) relate to those for any other Federal agency. Lastly, please describe any interagency efforts to identify and relate the entire set of climate change performance measures, including which agencies are involved and the names of the agency representatives.
7. Please provide a table for FY 93 - FY 97 identifying all assistance (including grants, cooperative agreements, and other transactions) and contract awards to non-profit and for-profit organizations for any climate change activity, including the date, amount of the award, name of the organization, purpose of the award, and a summary of any result(s) from the award. Please provide a copy of any final report from these awards.
8. Since January 1993, has your agency participated in any interagency effort(s) relating to climate change in any of the following areas: (a) review of current legislation and/or the need for any new legislation; (b) review of current rules, any needed revisions to current rules, and/or any needed new rules; (c) production or review of any environmental data and/or analyses; (d) production or review of any cost-benefit data or analyses; and/or (e) production or review of any economic data and/or economic analyses? If so, please identify the interagency effort, its member agencies, its membership not only from your agency but also from other Federal agencies and/or any non-Federal parties, all drafts and analyses from the effort(s), and any comments from your agency on any drafts.
9. Since January 1993, has your agency either prepared or reviewed any environmental, cost-benefit, and/or economic data and analyses relating to the White House Initiative on Global Climate Change? If so, please provide a copy of all data, analyses, and any comments by your agency.
10. Did your agency comment on any of the draft testimony on climate change by Administration witnesses since the President's 1998 State-of-the-Union address (including, but not limited to, testimony by CEA Chair Janet Yellen on the Economics of the Kyoto Protocol before the House Commerce Committee)? If so, please provide a copy of the draft testimony and any comments by your agency.
11. Has your agency suggested any alternative policy options for climate change? If so, please provide a copy of all drafts and supporting analyses and any comments from other Federal agencies on your alternatives.

12. Does your agency plan to revise any existing legislation or propose any new legislation relating to climate change (including legislation that will have the effect of reducing greenhouse gas emissions whether or not that is the intended purpose of the legislation)? If so, please identify and describe all such initiatives, including a timetable for their development and submission to Congress. Also provide any and all legal and policy analyses regarding the applicability and availability of existing legislation to implement the Kyoto Protocol and any comments from other Federal agencies on the analyses.

13. Does your agency plan to revise any existing rules or propose any new rules relating to climate change (including regulatory actions that will have the effect of reducing greenhouse gas emissions whether or not that is the intended purpose of the regulatory action)? If so, please identify and describe all such initiatives, including any cost-benefit analysis, and a timetable for their development and promulgation. Also, provide any and all analyses that were prepared or considered of the cumulative effects on the U. S. economy and/or energy system of all or any combination of regulations that were issued since 1992, that were proposed, and that are being developed that have or will have such effects.

14. Has your agency participated in discussions or reviewed any documents relating to international emissions trading, joint implementation, and/or the Clean Development Mechanism? If so, please provide a copy of all drafts and any comment provided by your agency.

Definitions and Instructions for the Production of Records

1. When a request calls for the production of records, the Subcommittee requests all responsive records that are in the agency's possession, custody, or control through the date of the final submission of records to the Subcommittee, unless the request clearly states that the Subcommittee is only interested in records received during a particular time period.

2. Please sequentially number all records that you produce to the Subcommittee, and indicate the source of any record if the source is not accurately reflected on the record itself. Please submit all records on single-sided paper and submit an inventory of records produced if the volume is more than 100 pages.

3. To the extent possible, please provide the following information:

3. To the extent practicable, please organize the records or documents in tabbed binders or folders that indicate which records are responsive to which requests for information.

4. For the purposes of this and related requests in the future, the "record" or "records" shall include any and all drafts, originals, and non-identical copies of any item whether written, typed, printed, electronically recorded, transcribed, punched, or taped, however produced or reproduced, and includes but is not limited to any writing, transcription, or recording, produced or stored in any fashion, including any and all computer entries, memoranda, notes, talking points, letters, journal entries, reports, studies, calendars, manuals, press releases, opinions, documents, analyses, messages, summaries, bulletins, e-mail messages (in hard copy and electronic forms), disks, the text of any alphanumeric messages or other electronic paging devices, briefing materials, cover sheets or routing cover sheets and any other machine readable material of any sort whether prepared by current or former officers and employees, agents, consultants or by any non-employee without limitation. "Record" or "records" shall also include redacted and unredacted versions of the same record.

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McIntosh III

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Congress of the United States

House of Representatives

COMMITTEE ON GOVERNMENT REFORM AND OVERSIGHT

2157 RAYBURN HOUSE OFFICE BUILDING

WASHINGTON, DC 20515-6143

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MAURITY (202) 225-8051
TTY (202) 225-8052

March 11, 1998

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JOHN F. TIERNEY, MASSACHUSETTS
JIM TURNER, TEXAS
THOMAS H. ALLEN, MAINE

BERNARD SANDERS, VERMONT
INDEPENDENT

BY FACSIMILE

The Honorable Bruce Babbitt
Secretary
Department of the Interior
Washington, D.C. 20240

Dear Secretary Babbitt:

The Subcommittee on National Economic Growth, Natural Resources, and Regulatory Affairs is conducting oversight of the White House Initiative on Global Climate Change.

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Thank you in advance for your attention to this request.

Sincerely,

David McIntosh

David M. McIntosh
Chairman

Subcommittee on National Economic Growth,
Natural Resources, and Regulatory Affairs

cc: The Honorable Dan Burton
The Honorable John Tierney

Enclosure

Interior

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McIntosh III

To: Michele Jolin
Fax #: 395-6958
Re: Global Climate Change
Date: March 20, 1998
Pages: 7, including this cover sheet.

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Commerce

The attached is per our conversation.

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From the desk of...

Jeffrey A. Hunker
Deputy Assistant to the Secretary
U.S. Department of Commerce
14th & Constitution Avenue, NW, Rm 5835
Washington, DC 20230

(202) 482-8055
Fax: (202) 482-4636

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POLICY

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MEMORANDUM FOR THE CHIEF OF BUDGET OFFICE

TO: DIRECTOR, BUDGET OFFICE
FROM: CHIEF OF BUDGET OFFICE
SUBJECT: BUDGET OFFICE
DATE: 03/13/98
RE: BUDGET OFFICE
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Subcommittee on National Economic Growth,
Natural Resources, and Regulatory Affairs

B-377 Rayburn House Office Building

Washington, DC 20515

Phone: (202) 225-4407

Fax: (202) 225-2441

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To: *Seal only WILLIAM DNEY*

Total Number of Pages (including cover sheet) *1*

Fax #: *482-2741*

From:

X Chairman David M. McIntosh

Mildred J. Webber - Staff Director
(Mildred.Webber@mail.house.gov)

J. Keith Ambrose - Senior Counsel
(JKeith.Ambrose@mail.house.gov)

Larisa Dobriansky - Senior Counsel
(Larisa.Dobriansky@mail.house.gov)

Jay Apperson - Special Counsel
(Jay.Apperson@mail.house.gov)

Andrew Wilder - Subcommittee Clerk
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(Karen.Barock@mail.house.gov)

Barbara Kahlow - Professional Staff
(Barbara.Kahlow@mail.house.gov)

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03/13/98 14:31

03/13/98 FRI 14:54 FAX 202 482 2502

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House of Representatives
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2167 RAYBURN HOUSE OFFICE BUILDING
WASHINGTON, DC 20516-6140

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J. Z. HARRIS, NEW YORK

BY FACSIMILE

March 11, 1998

The Honorable William M. Daley
Secretary
Department of Commerce
Washington, D.C. 20230

Dear Secretary Daley:

The Subcommittee on National Economic Growth, Natural Resources, and Regulatory Affairs is conducting oversight of the White House Initiative on Global Climate Change.

Pursuant to the Constitution and Rules X and XI of the United States House of Representatives, please provide the Subcommittee with detailed information in response to the attached questions regarding the budget, performance measures, legislation, regulations, and analyses for this initiative. Please restate each question before the corresponding answer.

Please contact Subcommittee Staff Director Mildred Webber at 225-4407 if you have any questions about this request. Please provide this information not later than 12 noon, March 31, 1998 to the Subcommittee in Room B-377 Rayburn.

Thank you in advance for your attention to this request.

Sincerely,

David McIntosh

David M. McIntosh

Chairman

Subcommittee on National Economic Growth,
Natural Resources, and Regulatory Affairs

cc: The Honorable Dan Burton
The Honorable John Tierney

Enclosure

03/20/98 FRI 09:58 FAX 202 482 4636

03/13/98 14:31

03/13/98 FRI 14:54 FAX 202 482 2502

POLICY

202 482 2502

NOAA BUDGET OFFICE

NO. 341

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House of Representatives

COMMITTEE ON GOVERNMENT REFORM AND OVERSIGHT

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WASHINGTON, DC 20515-6143

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FAX: 202/541-5001
WWW: www.house.gov

March 11, 1998

BY FACSIMILE

The Honorable William M. Daley
Secretary
Department of Commerce
Washington, D.C. 20230

Dear Secretary Daley:

The Subcommittee on National Economic Growth, Natural Resources, and Regulatory Affairs is conducting oversight of the White House Initiative on Global Climate Change.

Pursuant to the Constitution and Rules X and XI of the United States House of Representatives, please provide the Subcommittee with detailed information in response to the attached questions regarding the budget, performance measures, legislation, regulations, and analyses for this initiative. Please return each question before the corresponding answer.

Please contact Subcommittee Staff Director Mildred Webber at 225-4407 if you have any questions about this request. Please provide this information not later than 12 noon, March 31, 1998 to the Subcommittee in Room B-377 Rayburn.

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Sincerely,

David McIntosh

David M. McIntosh
Chairman

Subcommittee on National Economic Growth,
Natural Resources, and Regulatory Affairs

cc: The Honorable Dan Burton
The Honorable John Tierney

Enclosure

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STAFF B. WICKMAN, CALIFORNIA
STAFF C. WICKMAN, CALIFORNIA
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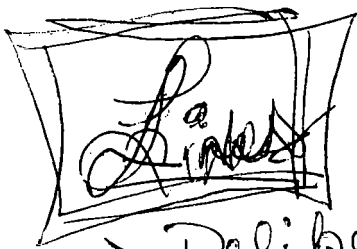
Questions for Each Agency with Any Climate Change Funding

1. Please provide a table with Fiscal Year (FY) 89 - FY 99 historical budget authority for your agency for the various components of the President's "Climate Change Technology Initiative," including the previous "Climate Change Action Program/Plan" and any other now or previously authorized Research and Development (R&D) herein (except for the U.S. Global Change Research Program included in Question 3 below). For each component, please indicate each specific budget account, the specific legislative authority (including the specific statute, the section citation, and the language of the section) for the program, and a brief description of the program.
2. In Section 2 ("Programmatic Details") of OMB's February 2, 1998 handout, "Climate Change Technology Initiative - 1999 Budget Briefing Materials," please provide the following information associated with each paragraph description in which your agency has been funded or is requesting funding: the associated funding in FY 97, FY 98, and FY 99. Also, for each paragraph, for the requested funding in FY 99, please provide evidence of any accomplishments from the FY 93 - FY 97 funding, if any. Lastly, for each paragraph, please indicate any program performance measures for the requested funding, and, for each such measure, please provide data for the 1990 base year and annual data for the most recent three-year period for which data are available.
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4. Please provide a table with FY 89 - FY 99 historical budget authority for your agency for any other components of the Administration's climate change program (i.e., in addition to those included in answer to questions 1 and 2). For each component, please indicate each specific budget account, the specific legislative authority for the program (including the specific statute, the section citation, and the language of the section), and a brief description of the program.
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a brief description of the program. For each brand new activity, please indicate expected requested funding annually through FY 03.

6. Please identify the full set of your agency-specific performance measures for the Administration's Climate Change proposal (besides those indicated in response to questions 2 and 3), including data for at least the 1990 base year, FY 97, FY 98, and FY 99. Also, please identify how any of your agency-specific measures (including those in response to questions 2 and 3) relate to those for any other Federal agency. Lastly, please describe any interagency efforts to identify and relate the entire set of climate change performance measures, including which agencies are involved and the names of the agency representatives.
7. Please provide a table for FY 93 - FY 97 identifying all assistance (including grants, cooperative agreements, and other transactions) and contract awards to non-profit and for-profit organizations for any climate change activity, including the date, amount of the award, name of the organization, purpose of the award, and a summary of any result(s) from the award. Please provide a copy of any final report from these awards.
8. Since January 1993, has your agency participated in any interagency effort(s) relating to climate change in any of the following areas: (a) review of current legislation and/or the need for any new legislation; (b) review of current rules, any needed revisions to current rules, and/or any needed new rules; (c) production or review of any environmental data and/or analyses; (d) production or review of any cost-benefit data or analyses; and/or (e) production or review of any economic data and/or economic analyses? If so, please identify the interagency effort, its member agencies, its membership not only from your agency but also from other Federal agencies and/or any non-Federal parties, all drafts and analyses from the effort(s), and any comments from your agency on any drafts.
9. Since January 1993, has your agency either prepared or reviewed any environmental, cost-benefit, and/or economic data and analyses relating to the White House Initiative on Global Climate Change? If so, please provide a copy of all data, analyses, and any comments by your agency.
10. Did your agency comment on any of the draft testimony on climate change by Administration witnesses since the President's 1998 State-of-the-Union address (including, but not limited to, testimony by CEA Chair Janet Yellen on the Economics of the Kyoto Protocol before the House Commerce Committee)? If so, please provide a copy of the draft testimony and any comments by your agency.
11. Has your agency suggested any alternative policy options for climate change? If so, please provide a copy of all drafts and supporting analyses and any comments from other Federal agencies on your alternatives.

12. Does your agency plan to revise any existing legislation or propose any new legislation relating to climate change (including legislation that will have the effect of reducing greenhouse gas emissions whether or not that is the intended purpose of the legislation)? If so, please identify and describe all such initiatives, including a timetable for their development and submission to Congress. Also provide any and all legal and policy analyses regarding the applicability and availability of existing legislation to implement the Kyoto Protocol and any comments from other Federal agencies on the analyses.
13. Does your agency plan to revise any existing rules or propose any new rules relating to climate change (including regulatory actions that will have the effect of reducing greenhouse gas emissions whether or not that is the intended purpose of the regulatory action)? If so, please identify and describe all such initiatives, including any cost-benefit analysis, and a timetable for their development and promulgation. Also, provide any and all analyses that were prepared or considered of the cumulative effects on the U. S. economy and/or energy system of all or any combination of regulations that were issued since 1992, that were proposed, and that are being developed that have or will have such effects.
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→ Deliberative / Non-deliberative

→ Recusional / Pre-decisional

I Non-Deliberative

II Deliberative

① VP & POTUS

② went to Senior Advisors to Pres

③ Everything else

~~Cost~~

- concerns are
- implicates confid
concerns Exec Branch
involving
FP & 15
understand
with ongoing
making decision
deliberation
- Cong has left
oversight
interest

- we seek to
accommodate but
do so in way
that does
not impinge
on EB

~~New Analysis~~
No evaluation exists
NOT in a position to
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March 11, 1998

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 EDWARD DANDENE, VERMONT
 INDEPENDENT
BY FACSIMILE

The Honorable William S. Cohen
 Secretary, Department of Defense
 The Pentagon
 Washington, D.C. 20301

Dear Secretary Cohen:

The Subcommittee on National Economic Growth, Natural Resources, and Regulatory Affairs is conducting oversight of the White House Initiative on Global Climate Change.

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Thank you in advance for your attention to this request.

Sincerely,



David M. McIntosh

Chairman

 Subcommittee on National Economic Growth,
 Natural Resources, and Regulatory Affairs

cc: The Honorable Dan Burton
 The Honorable John Tierney

Enclosure

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03/11/98 10:38

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03/11/98 10:38

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03/11/98 10:39

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03/11/98 10:39

8

Definitions and Instructions for the Production of Records

1. When a request calls for the production of records, the Subcommittee requests all responsive records that are in the agency's possession, custody, or control through the date of the final submission of records to the Subcommittee, unless the request clearly states that the Subcommittee is only interested in records received during a particular time period.
2. Please sequentially number all records that you produce to the Subcommittee, and indicate the source of any record if the source is not accurately reflected on the record itself. Please submit all records on single-sided paper and submit an inventory of records produced if the volume is more than 100 pages.
3. To the extent practicable, please organize the records or documents in tabbed binders or folders that indicate which records are responsive to which requests for information.
4. For the purposes of this and related requests in the future, the "record" or "records" shall include any and all drafts, originals, and non-identical copies of any item whether written, typed, printed, electronically recorded, transcribed, punched, or taped, however produced or reproduced, and includes but is not limited to any writing, transcription, or recording, produced or stored in any fashion, including any and all computer entries, memoranda, notes, talking points, letters, journal entries, reports, studies, calendars, manuals, press releases, opinions, documents, analyses, messages, summaries, bulletins, e-mail messages (in hard copy and electronic forms), disks, the text of any alphanumeric messages or other electronic paging devices, briefing materials, cover sheets or routing cover sheets and any other machine readable material of any sort whether prepared by current or former officers and employees, agents, consultants or by any non-employee without limitation. "Record" or "records" shall also include redacted and unredacted versions of the same record.

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Congress of the United States

House of Representatives

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2157 RAYBURN HOUSE OFFICE BUILDING

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THOMAS A. ALLEN, MAINE

BERNARD SANDERS, VERMONT
Independent

March 18, 1998

BY FACSIMILE

The Honorable Carol Browner
Administrator
U.S. Environmental Protection Agency
401 M Street, S.W.
Washington, D. C. 20460

Dear Administrator Browner:

The Subcommittee on National Economic Growth, Natural Resources, and Regulatory Affairs is conducting oversight of the Administration's global warming policies and its initiatives to jump-start U.S. reductions of greenhouse gas emissions prior to Senate ratification of the Kyoto Protocol. The Subcommittee is especially concerned about EPA's efforts to include in the Administration's legislative electric utility restructuring proposal provisions that would control carbon emissions.

Pursuant to the Constitution and Rules X and XI of the United States House of Representatives, please provide the Subcommittee with detailed information in response to the attached questions regarding the budget, performance measures, legislation, regulations, and analyses for these initiatives. In responding to this inquiry, please restate each question and subpart with each of your answers, and follow the attached definitions and instructions concerning the production of records.

Please provide your responses to the questions and requests for production of records not later than 12 noon, April 9, 1998 to the Subcommittee in Room B-377 Rayburn. In addition, please contact Larisa Dobriansky, Senior Counsel, at (202) 225-4407, as soon as practicable to coordinate the timely production of the information to the Subcommittee.

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03/18/98 19:15

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Thank you in advance for your attention to this request.

Sincerely,

David McIntosh

David M. McIntosh

Chairman

Subcommittee on National Economic Growth,
Natural Resources, and Regulatory Affairs

cc: The Honorable Dan Burton
The Honorable John Tierney

Enclosure

Questions Regarding Global Climate Change Policies and Initiatives

Budget Information and Performance Measures

1. Please provide a table with Fiscal Year (FY) 89 - FY 99 historical budget authority for your agency for the various components of the President's "Climate Change Technology Initiative," including the previous "Climate Change Action Program/Plan" and any other new or previously authorized Research and Development (R&D) herein (except for the U.S. Global Change Research Program included in Question 3 below). For each component, please indicate each specific budget account, the specific legislative authority (including the specific statute, the section citation, and the language of the section) for the program, and a brief description of the program.
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7. Please provide a table for FY 93 - FY 97 identifying all assistance (including grants, cooperative agreements, and other transactions) and contract awards to non-profit and for-profit organizations for any climate change activity, including the date, amount of the award, name of the organization, purpose of the award, and a summary of any result(s) from the award. Please provide a copy of any final report from these awards.

Economic, Policy and Legal Analyses

8. Since January 1993, has the Environmental Protection Agency (EPA) participated in any interagency effort(s) relating to climate change in any of the following areas: (a) review of current legislation and/or the need for any new legislation; (b) review of current rules, any needed revisions to current rules, and/or any needed new rules; (c) production or review of any environmental data and/or analyses; (d) production or review of any cost-benefit data or analyses; and/or (e) production or review of any economic data and/or economic analyses? If so, please identify the interagency effort, its member agencies, its membership not only from your agency but also from other Federal agencies and/or any non-Federal parties, all drafts and analyses from the effort(s), and any comments from your agency on any drafts.
9. Since January 1993, has EPA either prepared or reviewed any environmental, cost-benefit, and/or economic data and analyses relating to the White House Initiative on Global Climate Change? If so, please provide a copy of all data, analyses, and any comments by your agency.
10. Did EPA comment on any of the draft testimony on climate change by Administration witnesses since the President's 1998 State-of-the-Union address (including, but not limited to, testimony by CEA Chair Janet Yellen on the Economics of the Kyoto Protocol before the House Commerce Committee)? If so, please provide a copy of the draft testimony and any comments by your agency.
11. Has EPA suggested any alternative policy options for climate change? If so, please provide a copy of all drafts and supporting analyses and any comments from other Federal agencies on your alternatives.

12. Does EPA plan to revise any existing legislation or propose any new legislation relating to climate change (including legislation that will have the effect of reducing greenhouse gas emissions whether or not that is the intended purpose of the legislation)? If so, please identify and describe all such initiatives, including a timetable for their development and submission to Congress. Also provide any and all legal and policy analyses regarding the applicability and availability of existing legislation to implement the Kyoto Protocol and any comments from other Federal agencies on the analyses.

13. Does EPA plan to revise any existing rules or propose any new rules relating to climate change (including regulatory actions that will have the effect of reducing greenhouse gas emissions whether or not that is the intended purpose of the regulatory action)? If so, please identify and describe all such initiatives, including any cost-benefit analysis, and a timetable for their development and promulgation. Also, provide any and all analyses that were prepared or considered of the cumulative effects on the U. S. economy and/or energy system of all or any combination of regulations that were issued since 1992, that were proposed, and that are being developed that have or will have such effects.

14. Has EPA participated in discussions or reviewed any documents relating to international emissions trading, joint implementation, and/or the Clean Development Mechanism? If so, please provide a copy of all drafts and any comment provided by your agency.

Electricity Restructuring

15. On February 11, 1998, Under Secretary of State Stuart Eizenstat testified before the Senate Foreign Relations Committee that the Administration has "no intention through the back door or anything else, without Senate confirmation, of trying to impose or take any steps to impose what would be binding restrictions . . . until and unless the Senate of the United States says so." In light of this assurance wouldn't it be inappropriate for EPA or any other agency to recommend any legislation or propose any regulations that would place limits on carbon dioxide emissions or any other greenhouse gases before the Senate has ratified the Kyoto Protocol?

16. Is EPA presently participating in an interagency effort to draft the Administration's legislative proposal for electric utility restructuring? What other agencies are working on this proposal? Which agency is serving as the lead agency in this effort?

17. What are EPA's views about including in the Administration's legislative restructuring proposal an emissions cap and trading system to control carbon emissions even before Senate ratification of the Kyoto treaty?

18a. Recently, the press has written about and/or printed the text of two EPA memoranda. One of the memoranda, consisting of three pages, is entitled, "Environmental Provisions in Electricity Restructuring Legislation." The second, consisting of two pages, is entitled, "Electricity

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Restructuring and the Environment: What Authority Does EPA Already Have and What Does It Need?" Please provide the following information regarding these documents:

18b. Identify who prepared these two documents.

18c. Identify who requested or authorized the preparation of these documents and indicate when that occurred. The Subcommittee understands that these memoranda were presented at interagency discussions on restructuring legislation with officials of the National Economic Council. Indicate whether that is accurate.

18d. The first memorandum addresses environmental provisions that should be included in electricity restructuring legislation. This memorandum asserts the need to obtain legislative authority to establish a federal cap and trade program that would, among other things, control electricity-related carbon dioxide emissions. Without such authority, it is argued that the Administration will be unable to ensure emissions reductions at low cost and to achieve a "significant down-payment" towards reducing emissions of greenhouse gases. Indeed, the memorandum states that this "would be seen as a concrete step to move forward domestically on global warming while continuing to work for progress internationally in follow-up to Kyoto." Is this the position that EPA is taking on restructuring legislation in interagency discussions? If so, isn't the agency recommending steps to implement the Kyoto treaty prior to Senate ratification?

18e. Please provide all assessments that the agency has prepared of potential environmental impacts of restructuring the electric utility industry.

18f. The second document, dealing with existing authority, states that "EPA currently has authority under the Clean Air Act to establish pollution control requirements for all four pollutants of concern from electric power generation: nitrogen oxides, sulfur dioxide, carbon dioxide, and mercury. Action could be taken under provisions for meeting national ambient air quality standards, addressing transboundary pollution, or setting technology-based emissions standards." Does EPA maintain that it currently has the authority to establish pollution control requirements for carbon dioxide? If so, please specify the provisions in the Clean Air Act upon which the agency is relying and provide any and all legal and policy analyses developed by EPA to support this position.

18g. If EPA does maintain that it currently has the authority to establish pollution control requirements for carbon dioxide, please indicate when the agency determined that carbon dioxide is a "pollutant," "air pollutant," or "a hazardous air pollutant" and provide any and all legal and policy analyses that the Agency has prepared or considered that support such determinations.

19. On February 12, 1998, David Doniger of EPA stated at an Air & Waste Management Association luncheon in Washington, D. C. that the agency is "trying to explore" ways to integrate reductions of particulate matter, sulfur dioxide, nitrogen oxides, and carbon dioxide. He indicated that EPA is using an integrated planning model to determine how best to lower several

pollutants simultaneously. Isn't this the very approach that is advocated in the above-referenced EPA memorandum addressing electric utility restructuring legislation?

The Effects of EPA Regulatory Actions on Greenhouse Gas Emissions

20a. In his June 26, 1997 remarks to the United Nations Special Session on Environment and Development, President Clinton referred to the recently issued new and revised national ambient air quality standards (NAAQS) for ozone and particulate matter (PM) as "a positive first step" in addressing greenhouse gas emissions.

20b. Did the Administration consider the ancillary benefits of greenhouse gas emission reductions in setting the new and revised primary NAAQS for ozone and PM?

20c. Section 109(b)(1) of the Clean Air Act (Act) establishes that the standard for setting primary NAAQS is "requisite to protect the public health" with an "adequate margin of safety." Section 109(b)(2) of the Act provides that impacts on the public welfare (e.g., effects on climate) may only be considered in setting secondary NAAQS. Doesn't this statutory framework prohibit the Agency from considering the impacts of the new and revised standards on greenhouse gas emissions and climate change during the primary standard-setting process?

20d. Section 307(d)(6)(C) of the Act specifies that a promulgated rule "may not be based (in part or whole) on any information or data which has not been placed in the docket as of the date of such promulgation." Did the Agency include in the docket for the ozone and PM NAAQS rules any information on the impacts of the new and revised standards on greenhouse gas emissions?

20e. Please provide to this Subcommittee any and all records concerning the impacts of the new and revised ozone and PM standards on greenhouse gas emissions that were developed or considered by Agency staff before or during the ozone and PM NAAQS rulemaking process.

21. In the Regulatory Impact Analysis (RIA) for the ozone, PM, and Regional Haze rules, EPA identifies "the investments made to control greenhouse gases for climate change" as a "catalyst" for the development of innovative technologies (RIA 9-3). Presumably, EPA has concluded that future regulation of greenhouse gas emissions will reduce the costs of developing technologies to comply with the ozone and PM NAAQS. The RIA also states that: "In the international climate change negotiations, the U.S. is pursuing legally binding targets at a level considered to be 'real and achievable.' Such targets will help decrease not only [greenhouse gas], but also a variety of other air pollutants." (RIA at 9-30). These statements suggest that the Agency took into account future greenhouse gas emissions reductions (and the control technologies developed to achieve these reductions) in calculating the costs and benefits of the ozone, PM, and Regional Haze. Was this a reasonable assumption, considering that neither the Clean Air Act nor the current Framework Convention on Climate Change mandates reductions in greenhouse gas emissions?

22. EPA's Fiscal Year 1999 Strategic Plan states: "By 2000 and beyond, U. S. greenhouse gas emissions will be reduced to levels consistent with international commitments agreed upon under the Framework Convention on Climate Change (FCCC), building on initial efforts under the Climate Change Action Plan (CCAP)." The Agency's Strategic Plan further provides that: "By 2000, CCAP implementation throughout the Federal government will reduce annual U.S. greenhouse gas emissions by 75 million metric tons of carbon equivalent (MMTCE). The programs will lead to greater annual reductions of between 115 and 140 MMTCE by 2005."

Upon what legal authority is the Agency relying to implement these reductions? Please point to the specific provision or provisions of the Clean Air Act that authorize EPA to require these reductions in greenhouse gas emissions. Is EPA's objective tied to the current FCCC, which calls for voluntary action to return emissions to 1990 levels or does the agency's plan include actions aimed at reducing U.S. greenhouse gas emissions 7% below 1990 levels, as the Administration agreed to in Kyoto?

23a. In March 1996, EPA promulgated New Source Performance Standards (NSPS) and Emission Guidelines (EG) for Municipal Solid Waste Landfills. [61 Fed. Reg. 9905 (March 12, 1996) (MSW Landfill Rule)] In the preamble to the MSW Landfill Rule, EPA stated that: "The additional methane reductions achieved by [the control technology option selected] are also an important part of the total carbon reductions identified under the Administration's 1993 Climate Change Action Plan." *Id.* at 9914. EPA further stated that, "The Climate Change Action Plan. . . calls for EPA to promulgate a 'tough' landfill gas rule as soon as possible." *Id.* at 9916. Please point to the provision in the Clean Air Act that authorizes EPA to consider climate change impacts in developing the NSPS and EG for MSW Landfills.

23b. EPA acknowledged in the preamble to the MSW Landfill Rule that, despite a general concern that increasing emissions of greenhouse gases could lead to climate change, "the rate and magnitude of these changes are unknown." *Id.* at 9917. In light of this uncertainty, what was the basis for EPA's conclusion that the MSW Landfill Rule would have beneficial impacts with respect to climate change?

23c. Please provide to this Subcommittee any documents concerning the impacts of the MSW Landfill Rule on greenhouse gas emissions that were developed or considered by Agency staff during before or during the MSW Landfill rulemaking process.

24a. In the preamble to a March 1994 final rule implementing the Significant New Alternatives Program (SNAP), EPA adopted the interpretation that "global warming potential" must be considered in determining what substances are acceptable substitutes for ozone-depleting substances (ODS). See 59 Fed. Reg. 13044 (March 18, 1994). Although public commenters objected on the grounds that EPA lacked authority under Section 612 of the Act to regulate substitutes based on global warming, EPA disagreed with this interpretation and stated that: "[I]n October 1993, the President directed EPA through the Climate Change Action Plan (CCAP) to use its authority under 612 of the Clean Air Act to narrow the uses allowed for

hydrofluorocarbons and perfluorocarbons with high global warming potential. *Id.* at 13049. EPA reached this conclusion even though, in the process of amending the Clean Air Act of 1990, Congress deleted authority for EPA to phase out use of substances based solely on their global warming potential. Please explain EPA's legal theory for relying upon Section 612 of the Act to regulate ODS substitutes based on their global warming potential.

24b. How can the President's directive in the CCAP be reconciled with clear legislative intent to prohibit consideration of global warming potential in the SNAP analysis?

25. In EPA's Advance Notice of Proposed Rulemaking (ANPR) on integrated implementation of the ozone, PM, and Regional Haze rules, the Agency states that: "While the focus of control strategy integration centers around the ozone, PM, and regional haze programs, some consideration of how other programs affect these programs will need to be assessed (i.e., acid rain, climate change, stratospheric ozone, ecosystem protection, toxics). [61 Fed. Reg. 65764, 65775 (December 13, 1996)] Is EPA planning to regulate greenhouse gas emissions through this "integrated implementation" program? If so, under what specific statutory authority? Please provide all legal analyses to support such a position.

26. EPA has characterized the new NAAQS for PM_{2.5} and ozone as an electric utility issue. In addition, EPA's proposed SIP call on Nox focuses on emissions from electric utilities. Several other proposed or contemplated regulatory initiatives—regional haze, revisions to new source review requirements, revised new source performance standards for utility boilers, and air toxics standards for electric utilities' boilers—also appear likely to require substantial emissions reductions from electric utility plants. Has EPA performed any analyses of how any of these regulatory programs—alone or in combination—will affect emissions of any greenhouse gases covered by the Kyoto Protocol? Moreover, has EPA assessed the cumulative effects of these regulations, or any combination of them, on the U.S. energy system and economy? If so, please provide all records of such analyses, including drafts, and materials explaining how the analyses were performed and by whom. Also please identify all individuals consulted in conjunction with such analyses and provide all records reflecting the date and content of such consultations.

27a. In its proposal to require modification of SIPs to limit Nox emissions (62 Fed. Reg. 60318) (the proposed SIP "call"), EPA asserts that "on a global scale, decreases in Nox emissions will, to some degree, reduce greenhouse gases." 62 Fed. Reg. At 60374. Has EPA quantified the effect of the proposed SIP calls on greenhouse gases and/or global warming? If so, please provide copies of all records and analyses. Also, please indicate when any such analysis was performed and by whom.

27b. If EPA has performed no such quantification of the effects of the proposed SIP calls on greenhouse gases, what is the Agency's basis for asserting that one of the non-ozone benefits of the proposed SIP call will be its impact on global warming?

27c. What role did global warming and other non-ozone benefits play in EPA's identification of a specific Nox-reduction program as a means of implementing the ozone NAAQS? Please identify the date(s) of any and all meetings at which the non-ozone benefits of the proposed SIP call were discussed and the identities of each participant in each such meeting. Provide all records relating to such meetings.

27d. Did EPA consider whether other options for attaining the ozone NAAQS might yield equal or greater non-ozone benefits? If so, please provide copies of any and all analyses evaluating the benefits of such alternative implementation strategies and all records regarding consideration of the benefits of such alternative strategies. Please identify all EPA staff members involved in such analyses.

28. According to an August 29, 1997 "Inside EPA" article, an EPA source "points out that EPA estimated last year that an aggressive strategy to reduce SO₂, Nox and mercury from utilities would only reduce CO₂ emissions by five to seven percent. If mercury is removed from this equation, an administration source says this percentage is likely to fall since some utilities would have undoubtedly chosen to alter their fuel mix as a way to meet an onerous mercury reduction requirement." Please provide any and all analyses that relate to the comments made in this article. Why were any such analyses performed? Are there other similar analyses available for other industry sectors?

FACA Subcommittee on Energy, Clean Air and Climate Change

29a. In July, 1997, EPA announced the formation of a new subcommittee of its Clean Air Act Advisory Committee, the Subcommittee on Energy, Clean Air and Climate Change. Please provide a copy of the charter of the Subcommittee and copies of any and all records concerning the purpose or goals of the Subcommittee.

29b. Please identify all EPA staff members who are involved in supporting or working with the Subcommittee or who have attended or participated in meetings of the Subcommittee.

29c. Please explain EPA's authority to convene an advisory committee to examine climate change issues.

29d. Please discuss whether and how climate change programs and initiatives will be integrated into state implementation plans.

Climate Change Outreach Efforts

30. Please explain why the agency is sponsoring regional conferences around the country regarding implementation of the Kyoto Protocol? A brochure to one of the conferences that the agency has sponsored states that, "Annex I parties must now begin designing policies and programs to meet [the] reduction goal [of 7% below 1990 levels]." How much have you already

spent and how much do you plan to spend in Fiscal Year 1998 funds setting up or cosponsoring conferences on implementing the Kyoto treaty? How much do you plan to spend in Fiscal Year 1999?

31. Do you agree that Senate ratification is required before mandatory greenhouse gas emission reductions are implemented in states or in the U.S.? This Subcommittee understands that the Commonwealth of Massachusetts recently received a \$77,000 grant from EPA to set up workshops and conferences on climate change. In a February 20, 1998 letter signed by the state's Executive Office of Environmental Affairs, Massachusetts "stakeholders" are invited to participate in the development of a Climate Change Action Plan for Massachusetts. The letter indicates that the state is "seeking a package of recommendations that could reduce Massachusetts' emissions of greenhouse gases consistent with the U.S. target adopted in Kyoto three months ago." Is EPA promoting these types of efforts or is the agency specifically instructing states that the Kyoto targets are not relevant to policy decisions, unless and until the Senate ratifies that treaty?

Early Credit Reductions

32. On February 17, 1998, a proposal for a program to reward early greenhouse gas emissions reductions was presented to EPA's Subcommittee on Energy, Clean Air and Climate Change. In addition, since the conference in Kyoto, EPA officials have been discussing the merits of an early reductions program. They also have stated the need to develop a strategy for determining real reductions between 1998-2008 and for crediting the pre-1998 reductions that have been registered in the database established under Section 1605(b) of the Energy Policy Act of 1992 (EPAct). Under what authority is EPA proceeding to consider proposals for early reduction credits? Wasn't the Department of Energy (DOE) charged by Congress to set up a system for the voluntary reporting of greenhouse gas emission reductions? Does EPA believe that it is appropriate for it to be evaluating proposals to displace that system developed by DOE?

Definitions and Instructions for the Production of Record

1. When a request calls for the production of records, the Subcommittee requests all responsive records that are in the agency's possession, custody, or control through the date of the final submission of records to the Subcommittee, unless the request clearly states that the Subcommittee is only interested in records received during a particular time period.
2. Please sequentially number all records that you produce to the Subcommittee, and indicate the source of any record if the source is not accurately reflected on the record itself. Please submit all records on single-sided paper and submit an inventory of records produced if the volume is more than 100 pages.
3. To the extent practicable, please organize the records or documents in tabbed binders or folders that indicate which records are responsive to which requests for information.
4. For the purposes of this and related requests in the future, the "record" or "records" shall include any and all drafts, originals, and non-identical copies of any item whether written, typed, printed, electronically recorded, transcribed, punched, or taped, however produced or reproduced, and includes but is not limited to any writing, transcription, or recording, produced or stored in any fashion, including any and all computer entries, memoranda, notes, talking points, letters, journal entries, reports, studies, calendars, manuals, press releases, opinions, documents, analyses, messages, summaries, bulletins, e-mail messages (in hard copy and electronic forms), disks, the text of any alphanumeric messages or other electronic paging devices, briefing materials, cover sheets or routing cover sheets and any other machine readable material of any sort whether prepared by current or former officers and employees, agents, consultants or by any non-employee without limitation. "Record" or "records" shall also include redacted and unredacted versions of the same record.

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INDEPENDENT

March 13, 1998

BY FACSIMILE

The Honorable Alexis Herman
Secretary
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, D. C. 20210

Dear Secretary Herman:

The Subcommittee on National Economic Growth, Natural Resources, and Regulatory Affairs is conducting oversight of the Administration's global climate change policies and its initiatives to jump-start U.S. efforts to achieve the Kyoto Protocol greenhouse gas emissions reductions targets.

Pursuant to the Constitution and Rules X and XI of the United States House of Representatives, please provide the Subcommittee with detailed information in response to the questions in sections A and B of the attached inquiry, to the extent that they are applicable to your agency, and the questions in section C. In responding to this inquiry, please restate each question and subpart with each of your answers, and follow the attached definitions and instructions concerning the production of records.

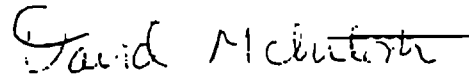
Please provide your responses to the written questions and requests for production of records not later than 12 noon, April 7, 1998 to the Subcommittee in Room B-377 Rayburn. In addition, please contact Larisa Dobriansky, Senior Counsel, at (202) 225-4407 as soon as practicable to coordinate the timely production of the information to the Subcommittee.

Labor

2

Thank you in advance for your attention to this request.

Sincerely,



David M. McIntosh

Chairman

Subcommittee on National Economic Growth,
Natural Resources, and Regulatory Affairs

cc: The Honorable Dan Burton
The Honorable John Tierney

Enclosure

Questions Regarding Global Climate Change Policies and Initiatives

A. Budget Information and Performance Measures

1. Please provide a table with Fiscal Year (FY) 89 - FY 99 historical budget authority for your agency for the various components of the President's "Climate Change Technology Initiative," including the previous "Climate Change Action Program/Plan" and any other new or previously authorized Research and Development (R&D) herein (except for the U.S. Global Change Research Program included in Question 3 below). For each component, please indicate each specific budget account, the specific legislative authority (including the specific statute, the section citation, and the language of the section) for the program, and a brief description of the program.
2. In Section 2 ("Programmatic Details") of OMB's February 2, 1998 handout, "Climate Change Technology Initiative - 1999 Budget Briefing Materials," please provide the following information associated with each paragraph description in which your agency has been funded or is requesting funding: the associated funding in FY 97, FY 98, and FY 99. Also, for each paragraph, for the requested funding in FY 99, please provide evidence of any accomplishments from the FY 93 - FY 97 funding, if any. Lastly, for each paragraph, please indicate any program performance measures for the requested funding, and, for each such measure, please provide data for the 1990 base year and annual data for the most recent three-year period for which data are available.
3. Please provide a table with FY 89 - FY 99 historical budget authority for your agency for the various components of the "U.S. Global Change Research Program" which were or are devoted exclusively to climate change R&D. For each component, please indicate each specific budget account, the specific legislative authority for the program (including the specific statute, the section citation, and the language of the section), and a brief description of the program.
 - If funded in any of FY 93 - FY 97, please provide evidence of any accomplishments from these dollars. Also, for requested funding in FY 99, please indicate any program performance measures for the requested funding, and, for each such measure, please provide data for the 1990 base year and annual data for the most recent three-year period for which data are available.
4. Please provide a table with FY 89 - FY 99 historical budget authority for your agency for any other components of the Administration's climate change program (i.e., in addition to those included in answer to questions 1 and 2). For each component, please indicate each specific budget account, the specific legislative authority for the program (including the specific statute, the section citation, and the language of the section), and a brief description of the program.
5. For the FY 99 request, please provide a table showing what part is funding to continue initiatives funded in FY 98 or prior years and what part is brand new activity. For each component, please indicate each specific budget account, the specific legislative authority for the program (including the specific statute, the section citation, and the language of the section), and

a brief description of the program. For each brand new activity, please indicate expected requested funding annually through FY 03.

6. Please identify the full set of your agency-specific performance measures for the Administration's Climate Change proposal (besides those indicated in response to questions 2 and 3), including data for at least the 1990 base year, FY 97, FY 98, and FY 99. Also, please identify how any of your agency-specific measures (including those in response to questions 2 and 3) relate to those for any other Federal agency. Lastly, please describe any interagency efforts to identify and relate the entire set of climate change performance measures, including which agencies are involved and the names of the agency representatives.

7. Please provide a table for FY 93 - FY 97 identifying all assistance (including grants, cooperative agreements, and other transactions) and contract awards to non-profit and for-profit organizations for any climate change activity, including the date, amount of the award, name of the organization, purpose of the award, and a summary of any result(s) from the award. Please provide a copy of any final report from these awards.

B. Economic, Policy, and Legal Analyses

8. Since January 1993, has your agency participated in any interagency effort(s) relating to climate change in any of the following areas: (a) review of current legislation and/or the need for any new legislation; (b) review of current rules, any needed revisions to current rules, and/or any needed new rules; (c) production or review of any environmental data and/or analyses; (d) production or review of any cost-benefit data or analyses; and/or (e) production or review of any economic data and/or economic analyses? If so, please identify the interagency effort, its member agencies, its membership not only from your agency but also from other Federal agencies and/or any non-Federal parties, all drafts and analyses from the effort(s), and any comments from your agency on any drafts.

9. Has your agency either prepared or reviewed any environmental, cost-benefit, and/or economic data and analyses relating to the White House Initiative on Global Climate Change? If so, please provide a copy of all data, analyses, and any comments by your agency.

10. Did your agency comment on any of the draft testimony on climate change by Administration witnesses since the President's 1998 State-of-the-Union address (including, but not limited to, testimony by CEA Chair Janet Yellen on the Economics of the Kyoto Protocol before the House Commerce Committee)? If so, please provide a copy of the draft testimony and any comments by your agency.

11. Has your agency suggested any alternative policy options for climate change? If so, please provide a copy of all drafts and supporting analyses and any comments from other Federal agencies on your alternatives.

12. Does your agency plan to revise any existing legislation or propose any new legislation relating to climate change (including legislation that will have the effect of reducing greenhouse gas emissions whether or not that is the intended purpose of the legislation)? If so, please identify and describe all such initiatives, including a timetable for their development and submission to Congress. Also provide any and all legal and policy analyses regarding the applicability and availability of existing legislation to implement the Kyoto Protocol and any comments from other Federal agencies on the analyses.

13. Does your agency plan to revise any existing rules or propose any new rules relating to climate change (including regulatory actions that will have the effect of reducing greenhouse gas emissions whether or not that is the intended purpose of the regulatory action)? If so, please identify and describe all such initiatives, including any cost-benefit analysis, and a timetable for their development and promulgation. Also, provide any and all analyses that were prepared or considered of the cumulative effects on the U.S. economy and/or energy system of all or any combination of regulations that were issued since 1992, that were proposed, and that are being developed that have or will have such effects.

14. Has your agency participated in discussions or reviewed any documents relating to international emissions trading, joint implementation, and/or the Clean Development Mechanism? If so, please provide a copy of all drafts and any comment provided by your agency.

C. Job Impacts of Kyoto Protocol

15. Has the Department of Labor conducted any analyses about potential U.S. job losses that could result from the Administration's domestic climate change policies and/or the requirements of the Kyoto Protocol? If not, why not? If so, provide all analyses and indicate what they suggest about the number and types of jobs at risk.

16. The economic think tank, DRI/McGraw-Hill studied the cost of trying to stabilize U.S. greenhouse gas emissions in 2010 to 1990 levels and found that this will cost 500,000 U.S. jobs every year for a decade. Another analysis of job impacts from stabilization, conducted by WEFA, Inc., predicted that "all workers face slowing in their real wage growth as workers compete for fewer jobs." Finally, a Department of Energy study found that imposing mandatory emissions reduction measures on developed countries would result in a dramatic decline in output and employment in six major industrial sectors, including paper and allied products, iron and steel, petroleum refining, aluminum smelting, chemical manufacturing and cement production, resulting in significantly lowered trade competitiveness and accelerating the existing trend toward relocating plants and jobs in developing countries. Has the Department of Labor reviewed any of these and/or other private or federal government studies? Please provide any and all comments of your agency on any of these studies. Does the Department have any analyses that show conclusively that, under the requirements of the Kyoto treaty, job

losses in the energy-intensive industrial sectors are apt to be minimal (or modest) and reductions in the growth of real wages would not occur?

17. In announcing his Climate Change Proposal on October 22, 1997, President Clinton stated that "we have a moral obligation" (in the year 2008 and beyond) to "give proper assistance to any workers dislocated by the changes in energy usage inherent in any climate change plan." How many workers are intended to be covered by this promise? What kinds of assistance would be provided?

18. Please provide an assessment of the potential effects on U.S. employment, income, and real wages of complying with the Kyoto targets and timetables. In this regard, please indicate how these effects would be distributed in this country; describe any disparate regional and industry sector impacts, and the effects on different income levels.

Definitions and Instructions for the Production of Records

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2. Please sequentially number all records that you produce to the Subcommittee, and indicate the source of any record if the source is not accurately reflected on the record itself. Please submit all records on single-sided paper and submit an inventory of records produced if the volume is more than 100 pages.
3. To the extent practicable, please organize the records or documents in tabbed binders or folders that indicate which records are responsive to which requests for information.
4. For the purposes of this and related requests in the future, the "record" or "records" shall include any and all drafts, originals, and non-identical copies of any item whether written, typed, printed, electronically recorded, transcribed, punched, or taped, however produced or reproduced, and includes but is not limited to any writing, transcription, or recording, produced or stored in any fashion, including any and all computer entries, memoranda, notes, talking points, letters, journal entries, reports, studies, calendars, manuals, press releases, opinions, documents, analyses, messages, summaries, bulletins, e-mail messages (in hard copy and electronic forms), disks, the text of any alphanumeric messages or other electronic paging devices, briefing materials, cover sheets or routing cover sheets and any other machine readable material of any sort whether prepared by current or former officers and employees, agents, consultants or by any non-employee without limitation. "Record" or "records" shall also include redacted and unredacted versions of the same record.

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McIntosh III



U.S. DEPARTMENT OF AGRICULTURE

OFFICE OF THE SECRETARY

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DATE: 3/20

NUMBER OF PAGES 6, INCLUDING COVER SHEET

PLEASE DELIVER TO: Michelle Tolson

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☐ GREG FRAZIER, CHIEF OF STAFF
☐ KOFI DEGRAFT-JOHNSON, EXECUTIVE ASSISTANT
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Congress of the United States

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MINORITY (202) 225-5051
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March 11, 1998

BY FACSIMILE

The Honorable Daniel R. Glickman
Secretary
Department of Agriculture
Washington, D.C. 20250

Dear Secretary Glickman:

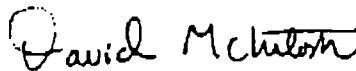
The Subcommittee on National Economic Growth, Natural Resources, and Regulatory Affairs is conducting oversight of the White House Initiative on Global Climate Change.

Pursuant to the Constitution and Rules X and XI of the United States House of Representatives, please provide the Subcommittee with detailed information in response to the attached questions regarding the budget, performance measures, legislation, regulations, and analyses for this initiative. Please restate each question before the corresponding answer.

Please contact Subcommittee Staff Director Mildred Webber at 225-4407 if you have any questions about this request. Please provide this information not later than 12 noon, March 31, 1998 to the Subcommittee in Room B-377 Rayburn.

Thank you in advance for your attention to this request.

Sincerely,



David M. McIntosh
Chairman
Subcommittee on National Economic Growth,
Natural Resources, and Regulatory Affairs

cc: The Honorable Dan Burton
The Honorable John Tierney

Enclosure



SA04011300

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THOMAS M. ALLEN, MAINE

BENJAMIN SANDERS, VERMONT
INDEPENDENT

Questions for Each Agency with Any Climate Change Funding

1. Please provide a table with Fiscal Year (FY) 89 - FY 99 historical budget authority for your agency for the various components of the President's "Climate Change Technology Initiative," including the previous "Climate Change Action Program/Plan" and any other new or previously authorized Research and Development (R&D) herein (except for the U.S. Global Change Research Program included in Question 3 below). For each component, please indicate each specific budget account, the specific legislative authority (including the specific statute, the section citation, and the language of the section) for the program, and a brief description of the program.
2. In Section 2 ("Programmatic Details") of OMB's February 2, 1998 handout, "Climate Change Technology Initiative - 1999 Budget Briefing Materials," please provide the following information associated with each paragraph description in which your agency has been funded or is requesting funding: the associated funding in FY 97, FY 98, and FY 99. Also, for each paragraph, for the requested funding in FY 99, please provide evidence of any accomplishments from the FY 93 - FY 97 funding, if any. Lastly, for each paragraph, please indicate any program performance measures for the requested funding, and, for each such measure, please provide data for the 1990 base year and annual data for the most recent three-year period for which data are available.
3. Please provide a table with FY 89 - FY 99 historical budget authority for your agency for the various components of the "U.S. Global Change Research Program" which were or are devoted exclusively to climate change R&D. For each component, please indicate each specific budget account, the specific legislative authority for the program (including the specific statute, the section citation, and the language of the section), and a brief description of the program.
 - If funded in any of FY 93 - FY 97, please provide evidence of any accomplishments from these dollars. Also, for requested funding in FY 99, please indicate any program performance measures for the requested funding, and, for each such measure, please provide data for the 1990 base year and annual data for the most recent three-year period for which data are available.
4. Please provide a table with FY 89 - FY 99 historical budget authority for your agency for any other components of the Administration's climate change program (i.e., in addition to those included in answer to questions 1 and 2). For each component, please indicate each specific budget account, the specific legislative authority for the program (including the specific statute, the section citation, and the language of the section), and a brief description of the program.
5. For the FY 99 request, please provide a table showing what part is funding to continue initiatives funded in FY 98 or prior years and what part is brand new activity. For each component, please indicate each specific budget account, the specific legislative authority for the program (including the specific statute, the section citation, and the language of the section), and

a brief description of the program. For each brand new activity, please indicate expected requested funding annually through FY 03.

6. Please identify the full set of your agency-specific performance measures for the Administration's Climate Change proposal (besides those indicated in response to questions 2 and 3), including data for at least the 1990 base year, FY 97, FY 98, and FY 99. Also, please identify how any of your agency-specific measures (including those in response to questions 2 and 3) relate to those for any other Federal agency. Lastly, please describe any interagency efforts to identify and relate the entire set of climate change performance measures, including which agencies are involved and the names of the agency representatives.
7. Please provide a table for FY 93 - FY 97 identifying all assistance (including grants, cooperative agreements, and other transactions) and contract awards to non-profit and for-profit organizations for any climate change activity, including the date, amount of the award, name of the organization, purpose of the award, and a summary of any result(s) from the award. Please provide a copy of any final report from these awards.
8. Since January 1993, has your agency participated in any interagency effort(s) relating to climate change in any of the following areas: (a) review of current legislation and/or the need for any new legislation; (b) review of current rules, any needed revisions to current rules, and/or any needed new rules; (c) production or review of any environmental data and/or analyses; (d) production or review of any cost-benefit data or analyses; and/or (e) production or review of any economic data and/or economic analyses? If so, please identify the interagency effort, its member agencies, its membership not only from your agency but also from other Federal agencies and/or any non-Federal parties, all drafts and analyses from the effort(s), and any comments from your agency on any drafts.
9. Since January 1993, has your agency either prepared or reviewed any environmental, cost-benefit, and/or economic data and analyses relating to the White House Initiative on Global Climate Change? If so, please provide a copy of all data, analyses, and any comments by your agency.
10. Did your agency comment on any of the draft testimony on climate change by Administration witnesses since the President's 1998 State-of-the-Union address (including, but not limited to, testimony by CEA Chair Janet Yellen on the Economics of the Kyoto Protocol before the House Commerce Committee)? If so, please provide a copy of the draft testimony and any comments by your agency.
11. Has your agency suggested any alternative policy options for climate change? If so, please provide a copy of all drafts and supporting analyses and any comments from other Federal agencies on your alternatives.

12. Does your agency plan to revise any existing legislation or propose any new legislation relating to climate change (including legislation that will have the effect of reducing greenhouse gas emissions whether or not that is the intended purpose of the legislation)? If so, please identify and describe all such initiatives, including a timetable for their development and submission to Congress. Also provide any and all legal and policy analyses regarding the applicability and availability of existing legislation to implement the Kyoto Protocol and any comments from other Federal agencies on the analyses.

13. Does your agency plan to revise any existing rules or propose any new rules relating to climate change (including regulatory actions that will have the effect of reducing greenhouse gas emissions whether or not that is the intended purpose of the regulatory action)? If so, please identify and describe all such initiatives, including any cost-benefit analysis, and a timetable for their development and promulgation. Also, provide any and all analyses that were prepared or considered of the cumulative effects on the U. S. economy and/or energy system of all or any combination of regulations that were issued since 1992, that were proposed, and that are being developed that have or will have such effects.

14. Has your agency participated in discussions or reviewed any documents relating to international emissions trading, joint implementation, and/or the Clean Development Mechanism? If so, please provide a copy of all drafts and any comment provided by your agency.

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A. JAMES SENSENBRENNER, JR., Wisconsin, CHAIRMAN

SENSENBRENNER I

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February 26, 1998

The Honorable Kathleen A. McGinty
Chair
Council on Environmental Quality
Room 360
Old Executive Office Building
Washington, D.C. 20503

Dear Ms. McGinty:

I wish to express my sincere appreciation for your testimony during the February 4, 1998 Committee on Science "The Road from Kyoto—Part I: Where Are We, Where Are We Going, and How Do We Get There?" hearing.

Enclosed are additional questions from Members of the Committee, as well as a copy of the hearing transcript. Your responses will be published as part of the official record of the hearing. In addition to a hard copy of your answers, the Committee requires an additional copy, including any supporting graphs or charts, saved on a DOS formatted 3.5 inch diskette, in either Word Perfect, Word or ASCII text. Please send your responses to Ms. Sarah Monahan of the Committee staff. If you prefer, you may E-mail your responses to sarah.monahan@mail.house.gov.

I would appreciate receiving your responses to the enclosed questions by Thursday, March 19, 1998.

Also enclosed is a copy of the verbatim transcript for your review. The Committee's rule pertaining to the printing of transcripts is as follows:

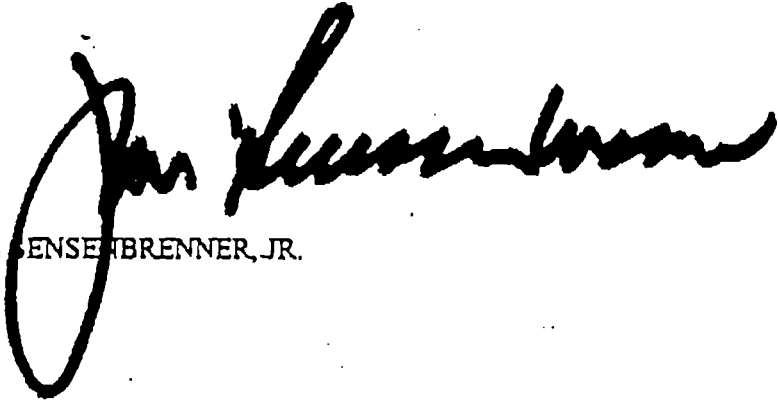
The transcripts... shall be published in verbatim form, with the material requested for the record, as appropriate. Any requests to correct any errors, other than transcription, shall be appended to the record, and the appropriate place where the change is requested will be footnoted.

The complete revisions to the transcripts submitted for the record must be received by Thursday, March 12, 1998, and should be sent to Ms. Sarah Monahan, Subcommittee on Energy and Environment, H2-389 Ford House Office Building, Washington, DC 20515. If you have any questions, please contact Ms. Monahan at (202) 225-9662.

The Honorable Kathleen A. McGinty
February 26, 1998
Page two

Thank you again for making this hearing successful. Once the transcript has been completed and published, a copy will be forwarded to you.

Sincerely,



F. JAMES SENE BRENNER, JR.
Chairman

FJS:hlw

COMMITTEE ON SCIENCE
U.S. HOUSE OF REPRESENTATIVES

Hearing
on

The Road from Kyoto—Part 1:

Where Are We, Where Are We Going, and How Do We Get There?

Wednesday, February 4, 1998

Post-Hearing Questions
Submitted to

The Honorable Kathleen A. McGinty
Chair
Council on Environmental Quality

Post-Hearing Questions Submitted by Chairman Sensenbrenner

Documentation of 1997 Temperature Statistics

1. On page 1 of your written testimony, you state:

“Based on extensive ground-based measurements, the National Oceanic and Atmospheric Administration (NOAA) — our lead national agency for collecting weather statistics — reported that 1997 was the warmest year based on records that date back over a century. While the temperature in any one year cannot prove or disprove anything about global warming, this year’s statistics, further confirmed by two other sources of information about global surface temperatures (the Goddard Institute for Space Studies/NASA and the researchers at East Anglia University in the U.K.), follow a clearly emerging pattern. The nine warmest years of the century have occurred in the past 11 years.”

- 1.1 Please provide a copy of NOAA report and accompanying data/statistics referred to in your statement above.
- 1.2 Please provide a copy of the Goddard Institute for Space Studies/NASA confirmation and accompanying data/statistics referred to in your statement above.
- 1.3 Please provide a copy of the East Anglia University confirmation and accompanying data/statistics referred to in your statement above.
- 1.4 Please document your statement that “The nine warmest years of the century have occurred in the past 11 years.”

6STP

Wednesday, February 4, 1998, Post-Hearing Questions Submitted to the Honorable Kathleen A. McGinty
Page 2 of 15

Temperature Record: Land-Based Versus Satellite Data

OSTP

2. Your testimony refers to the recent announcement that 1997 was the warmest year in the temperature record. However, the land-based temperature data do not comport with satellite data, which show a slight cooling trends (-0.05°C per decade) over the last 19 years. In fact, 1997 was the 8th coolest year in the satellite record, just slightly less than the 19-year average. How do you explain the discrepancy between these two data sets?

The Lancet Study on Particulate Matter-Related Health Impacts of Greenhouse Gas Mitigation and Reduction in Deaths and Greenhouse Gas Emissions Due to EPA's Recently Promulgated Fine Particulate Standard

3. On page 2 of your written testimony, you state:

OSTP / EPA - CAR

"A second development relates to a study published in November in the medical journal Lancet. Most studies have examined the impacts of climate change on human health in terms of increased fatalities due to heat stress or the spread of infectious diseases. While by themselves, these areas represent considerable human health risks, this new study by the Working Group on Public Health and Fossil Fuel Combustion looked at the short-term impacts on mortality from air-borne particulate matter assuming no changes in estimates of energy use from fossil fuels. The analysis found that an estimated 8 million deaths globally due to exposure to fine particulates could be avoided between 2000 and 2020 if substantial steps were taken to limit greenhouse gas emissions from burning fossil fuels. In the United States alone, the study reports that thousands of deaths annually could be avoided during the 2000-2020 period. This study presents an important near-term benefit from actions to reduce greenhouse gas emissions that must be considered in addition to the long-term benefits of avoiding climatic disruptions. EPA's recently promulgated fine particulate standard begins to address this public health concern and should result in both some reductions in greenhouse gas emissions along with reducing the number of deaths associated with exposure to fine particulates."

- 3.1 Please provide a copy of *The Lancet* article referred to above.
- 3.2 What level of reductions in greenhouse gas emissions and in the number of deaths associated with exposure to fine particles will result from EPA's recently promulgated fine particulate standard. begins to address this public health concern and should result in both some reductions in greenhouse gas emissions along with reducing the number of deaths associated with exposure to fine particles."
- 3.3 Please document the figures provided in the response to question 3.2 above.

Wednesday, February 4, 1998, Post-Hearing Questions Submitted to the Honorable Kathleen A. McGinty
Page 3 of 15

The Kyoto Protocol and the Rate of Increase of the Build-Up of Greenhouse Gases in the Atmosphere and the Corresponding Temperature Changes

4. On page 2 of your written testimony, you also state: *OSTP*

"Although the agreement reached in Kyoto will not reverse the build-up of greenhouse gases in the atmosphere, it will begin slowing the rate of increase."

Q 4.1 How much will the Kyoto Protocol slow the rate of increase of the build-up of greenhouse gases in the atmosphere?

4.2 What is the estimate of the atmospheric concentrations of each of the six greenhouse gases in each of the years 2050 and 2100, and what is the estimate of the corresponding warming due to those increased concentrations in the absence of the Kyoto Protocol?

Q 4.3 What is the estimate of the atmospheric concentrations of each of the six greenhouse gases in each of the years 2050 and 2100, and what is the estimate of the corresponding warming due to those increased concentrations if the terms of the Kyoto Protocol are met?

Submission of the Kyoto Protocol to the Senate for Ratification and "Meaningful Participation by Key Developing Countries"

5. On page 2 of your written testimony, you also state: *State*

"The President has made it clear that he does not intend to send the Kyoto Protocol to the Senate for ratification until we have achieved meaningful participation by key developing countries."

Q 5.1 Which developing nations are "key?"

5.2 What does "meaningful participation" mean and what will the United States seek from developing countries? Please be specific about the kinds of limitations, reductions, or other obligations that the United States will be seeking in negotiations and discussions.

5.3 Please explain all of the considerations that bear on the issue of when the President will submit the Kyoto Protocol to the Senate for ratification.

Wednesday, February 4, 1998, Post-Hearing Questions Submitted to the Honorable Kathleen A. McGinty
Page 4 of 15

- 5.4 Before the President submits the Kyoto Protocol to the Senate for ratification, do "key" developing countries have to make legally binding, quantitative commitments to limit the growth of their greenhouse gas emissions, and if so, which countries would have to make such commitments?
- 5.5 Whatever it is that "key" developing countries have to do before the President submits the Kyoto Protocol to the Senate for ratification, will it satisfy the Administration's requirement if it is done by means of a bilateral or multilateral agreement with the United States that is not in the form of a new protocol or an amendment to the Convention or to the Kyoto Protocol?

Signing of the Kyoto Protocol

6. Will the President, or the Vice President, or another person with the authority to do so sign the Kyoto Protocol as it currently exists and if so, when the signing take place?
7. If your answer to question 6 above is not definitive, please explain all of the considerations that bear on the issue of whether or when the President, or the Vice President, or another person with the authority to do so will sign the Kyoto Protocol.

U.S. Reductions of Greenhouse Gas Emission Required by the Kyoto Protocol/Emissions Trading

8. On page 3 of your written testimony, you state:

"Ultimately, the U.S. agreed to a target of a 7% reduction from baseline levels. Given the changes in the definition of the baseline for the three long-lived chemical compounds (HFCs, PFCs and SF6) from 1990 to 1995 combined with a change in the way sinks are accounted for in the baseline, the actual reduction required in the U.S. is no more than 2-3% more than the President originally proposed as the U.S. negotiating position."

Please provide a detailed calculation, including a listing of all assumptions that verifies your statement that "the actual reduction required in the U.S. is no more than 2-3% more than the President originally proposed as the U.S. negotiating position."

9. What is the actual reduction in emissions within the borders of the United States would have to be to meet the U.S. obligation as outlined in the treaty and what data uncertainties still exist with respect to calculating this number?

Wednesday, February 4, 1998, Post-Hearing Questions Submitted to the Honorable Kathleen A. McGinty
Page 5 of 15

10. Article 6.1(d) of the Kyoto Protocol states that "The acquisition of emission reduction units shall be supplemental to domestic actions for the purposed of meeting the commitments under Article 3 [of the Protocol]"

10.1 What does this mean?

Stake

10.2 Since Russia and the Ukraine will be substantially below their emission targets in the Protocol, they can sell large amounts of emissions credits. Why should the American public be willing to underwrite the transfer of what could be billions of dollars to those nations so the United States could reach its emissions reduction targets?

10.3 What is the Administration assuming about the proportion of our reductions that can be met through these means, and what is the limit acceptable within the terms of the Protocol?

International Emissions Trading and the Costs of Kyoto Protocol Compliance

11. On page 4 of your written testimony, you state:

CEA / DOE / EPA

"A number of studies have suggested that the costs of compliance can be significantly reduced if flexible implementation is permitted."

Please provide for the record a copy of each of the studies referred to in your statement"

Clean Development Mechanism

12. On page 4 of your written testimony, you also state:

Stake / DOE / EPA

"Clean Development Mechanism: Under this innovative provision, developed countries will be able to use certified reductions from project activities in developing countries to contribute to compliance with greenhouse gas reduction targets. This provides both a mechanism to secure low cost reductions throughout the world and a powerful economic incentive to lead developing countries toward more climate-friendly technologies. This represents an important avenue for developing country actions to reduce emissions in cooperation with U.S. private sector firms that have the technology, resources and know-how to make such reductions in ways that save energy, reduce emissions and improve performance. This provision effectively embodies the U.S. proposal for joint implementation with credit for activities in developing countries. It also provides, again at U.S. insistence, an incentive for early action by permitting credit for reductions that occur beginning in the year 2000."

Wednesday, February 4, 1998, Post-Hearing Questions Submitted to the Honorable Kathleen A. McGinty
Page 6 of 15

- Q 12.1 Article 12 of the Kyoto Protocol, which establishes the Clean Development Mechanism, appears to have potential for creating a huge bureaucracy inserted between the investing and the recipient countries. Why did the Administration agree to such an arrangement?
- Q 12.2 Why is there a need for such an institutional mechanism for joint implementation (JI) projects?
- Q 12.3 Under the Kyoto Protocol, what would be the status of existing and pending bilateral JI projects promoted by the U.S. Initiative on Joint Implementation?
- Q 12.4 What is the Administration's position on JI going into the November 1998 negotiations with respect to how this Clean Development Mechanism should work?
- Q 12.5 What criteria would you expect for projects that qualify for Clean Development Mechanism financing?
- Q 12.6 How would emissions credits under the Clean Development Mechanism be allocated to contributing/investing countries or entities?
- Q 12.7 Isn't Clean Development Mechanism another form of foreign assistance by another name, only funded by the private sector, and if not, why not?

Emission from the Military

13. On page 4 of your written testimony, you also state:

Stale

"Emissions from the Military: The U.S. obtained agreement on its proposal for an exemption for emissions from multilateral operations pursuant to the United Nations charter. This decision will ensure that nations do not hold back from participating in humanitarian, peacekeeping and other operations due to concerns about greenhouse gas emissions."

- Q 13.1 Please cite the specific text of the Kyoto Protocol that provides such an exemption.
- 13.2 Are unilateral operations subject to the terms of the Kyoto Protocol? If your answer is no, please cite the specific Protocol text that provides that unilateral operations are not subject to the Protocol.

Wednesday, February 4, 1998, Post-Hearing Questions Submitted to the Honorable Kathleen A. McGinty
Page 7 of 15

- Q 13.3 To be more specific, if the Kyoto Protocol was in force would unilateral military action by the United States against Iraq be subject to its terms? If your answer is no, please cite the specific Protocol text that provides that unilateral military action by the United States against Iraq would not be subject to the Protocol.
- 13.4 If unilateral military action were subject to the terms of the Kyoto Protocol, what would be the national security implications?
- 13.5 Will domestic emissions from military training exercises be counted against the U.S., and if so, what are the implications for our military readiness?
- 13.6 Concerning U.S. troops stationed overseas, will emissions from training and operations be counted against the host country or the U.S.? And if the host country, does that mean that U.S. troops overseas will be subjected to greater control by the host country, and how will this affect readiness?

President's FY 1999 Budget Tax Credits for Highly Fuel Efficient Vehicles

14. On page 5 of your written testimony, you state:

Q "Tax credits for highly fuel efficient vehicles: This credit would be \$4,000 for each vehicle that gets three times the base fuel economy for its class beginning in 2003. A credit of \$3,000 would be available beginning in 2000 for vehicles that get double the base fuel economy for its class. These credits would be available to jump start these markets and would be phased out over time."

Please specify—by year—the greenhouse gas reductions expected to be achieved through the application of the tax credit for highly fuel efficient vehicles.

President's FY 1999 Budget Tax Credits for Energy Efficient Equipment

15. On page 5 of your written testimony, you also state:

Q "Tax credits for energy efficient equipment: These credits (all of which are subject to caps) would include a 20% credit (subject to a cap) for purchasing certain types of highly efficient building equipment, a 15% credit for the purchase of solar rooftop systems, and a 10% credit for the purchase of highly efficient combined heat and power systems."

Please specify—by year and by tax credit—the greenhouse gas reductions expected to be achieved through the application of the tax credits for energy efficient equipment.

Wednesday, February 4, 1998, Post-Hearing Questions Submitted to the Honorable Kathleen A. McGinty
Page 8 of 15

President's FY 1999 Budget Proposal for Two New Partnerships for Heavy Trucks and Light Trucks, including Sport-Utility Vehicles

16. On page 5 of your written testimony, you also state:

"Two new partnerships are proposed for heavy trucks and light trucks, including sport-utility vehicles."

Please describe these two new partnerships in detail, including funding, duration, participants, and cost-sharing requirements.

Fuel Efficient Vehicles

17. On page 6 of your written testimony, you state:

"Fuel Efficient Vehicles: At the recent automobile show in Detroit, General Motors (GM) announced four passenger hybrid electric and fuel cell vehicles that can achieve fuel efficiency of up to 80 miles per gallon — production prototypes of which could be available in 2001 and 2004. Ford also unveiled a prototype of a mid-size high efficiency sedan that achieves 63 miles per gallon using an advanced diesel engine. Ford also plans to develop hybrid electric and fuel cell versions of this prototype. Chrysler unveiled its full-size experimental hybrid electric vehicle with a projected 70 miles per gallon fuel economy. These technological advances were made possible through the efforts of the Partnership for a New Generation of Vehicles between the Administration, U.S. auto companies, and their suppliers."

Please document your statement that "These technological advances were made possible through the efforts of the Partnership for a New Generation of Vehicles between the Administration, U.S. auto companies, and their suppliers."

Compressed Air Challenge

18. On page 6 of your written testimony, you also state:

"Compressed Air Challenge: Air compressors represents about 3% of total industrial electricity use and 1% of total U.S. electricity consumption. In mid-January, DOE and major equipment manufacturers announced a new agreement aimed at significantly enhancing efficiency in this sector. Under the agreement, changes in equipment and operating practices are anticipated to reduce energy use in this category by 10% by 2010 at a cost savings of \$150 million per year while reducing greenhouse gases by 700,000 metric tones of carbon."

Wednesday, February 4, 1998, Post-Hearing Questions Submitted to the Honorable Kathleen A. McGinty
Page 9 of 15

- 18.1 Please provide a listing of the participants of the Compressed Air Challenge.
- 18.2 Please provide the FY 1998 and proposed FY 1999 funding for the Compressed Air Challenge.
- 18.3 Please document your statement that "Under the agreement, changes in equipment and operating practices are anticipated to reduce energy use in this category by 10% by 2010 at a cost savings of \$150 million per year while reducing greenhouse gases by 700,000 metric tones of carbon."

BP Solar Opening

19. On page 6 of your written testimony, you also state:

"BP Solar Opening: Last Friday, BP Solar opened its first manufacturing plant in the United States. Located outside San Francisco, the Vice President flipped a switch to start the plant. This facility will produce a new generation of thin film photovoltaic cells. Spurred by DOE's recently announced Million Solar Roof Initiative, planned plant expansions and openings by other solar cell manufacturers, as well as the President's budget request for enhanced funding for renewable technologies, demonstrate that efforts to increase market penetration based on harnessing the sun's energy are now making significant advances. In fact, the Vice President was able to announce that the private partners in the Million Solar Roofs Initiative have already announced plans for well over half the solar panels needed to get to our goal--a full ten years early."

- 19.1 Why did the Vice President "flip the switch" to start a foreign-owned manufacturing plant? Has the Vice President ever "flipped the switch" to start a domestic-owned manufacturing plant?
- 19.2 Please provide documentation for your statement that "the private partners in the Million Solar Roofs Initiative have already announced plans for well over half the solar panels needed to get to our goal--a full ten years early."
- 19.3 If indeed "the private partners in the Million Solar Roofs Initiative have already announced plans for well over half the solar panels needed to get to our goal--a full ten years early" in the absence of taxpayer subsidies, then why is the Administration proposing that taxpayers now subsidize that effort?

Wednesday, February 4, 1998, Post-Hearing Questions Submitted to the Honorable Kathleen A. McGinty
Page 10 of 15

VCR/TV Energy Star Program

DOE

20. On page 6 of your written testimony, you also state:

"VCR/TV Energy Star Program: TV and VCRs represent one of the fastest growing sources of electricity demand. Consumers spend over \$1 billion annually to power VCRs and TVs that are switched off. In early January the Vice President announced a pathbreaking partnership between EPA and the major manufacturers of these electronic goods. The program is quite ambitious with a goal of achieving up to a 70% reduction in energy use when the equipment is turned off without sacrificing product quality, utility or increasing costs. The average household could cut its energy bills by 30% or \$400 per year by switching to the full line of Energy Star products."

20.1 Please identify the TV and VCR manufacturers participating in this partnership.

20.2 Please document the statement that "The average household could cut its energy bills by 30% or \$400 per year by switching to the full line of Energy Star products."

Administration's Economic Analysis of the Impact of the Targets Reached in Kyoto

21. Finally, on page 6 of your written testimony, you state:

CEA

"The Administration is working on a more detailed economic analysis of the impact of the targets reached in Kyoto. Council of Economic Advisers Chair Janet Yellen will be prepared to discuss the analysis at a hearing next week before the Senate Foreign Relations Committee."

Please provide a copy of that "more detailed economic analysis" for the record.

Administration Plans for Legislation and Regulations

C.C. Tech Force

22. In the President's State of the Union Address and in the Budget he submitted to the Congress on February 2, there were provisions for federal research and development expenditures and for certain tax incentives for the purpose of reducing U.S. greenhouse gas emissions.

22.1 What is the reason the President has made those proposals prior to his signing the Kyoto Protocol and prior to his submitting the Protocol to the Senate for its advice and consent?

Q

Wednesday, February 4, 1998, Post-Hearing Questions Submitted to the Honorable Kathleen A. McGinty
Page 11 of 15

- 22.2 Is the Administration contemplating submitting to Congress any other legislative proposals, or is it contemplating proposing any new or amended regulations, any of which are intended to reduce U.S. greenhouse gas emissions, prior to the President's signing the Kyoto Protocol and submitting it to the Senate for its advice and consent? If so, please describe the substance of any such legislative or regulatory proposals that are being contemplated?
23. Has any Department or agency of the Executive Branch, or any interagency body, been given the responsibility to develop potential proposals for legislation or regulations that would be intended to facilitate compliance by the United States with the Kyoto Protocol if the Protocol ever were to become binding on this nation?
- 23.1 If your answer is yes, please identify the Departments, agencies, or interagency body; and, if it is an interagency body, who is the head of it.
- 23.2 If there is no interagency body, who in the Executive Branch has the responsibility to coordinate or review these efforts for the purpose of making recommendations to the President?

cc Table
Core

Entry Into Force

Stale

24. It will require ratification by 55 countries, representing 55% of developed country greenhouse gas emissions, for the treaty to enter into force. The United States accounts for nearly 40% of these emissions.
- 24.1 Do you see any chance that the treaty would enter into force if the United States does not ratify it?
- 24.2 Do you expect other countries ratify the treaty if the United States does not, and if so, which countries?
- 24.3 What is the earliest you would expect the treaty to enter into force if the United States does not ratify it?
- 24.4 If there is a prolonged delay in entry into force, what are the consequences for this treaty? For climate change?

Q

Wednesday, February 4, 1998, Post-Hearing Questions Submitted to the Honorable Kathleen A. McGinty
Page 12 of 15

Contradictions between the Kyoto Protocol and the Montreal Protocol

Spake

25. Among the six gases to be limited under the Kyoto Protocol are substitutes for chlorofluorocarbons (CFCs) that deplete the stratospheric ozone layer. Therefore, the world's nations have agreed under the Montreal Protocol (to reduce ozone depleting chemicals) that they will seek the use of these substitutes, yet under the Kyoto Protocol they seek to limit use of the substitutes.

25.1 How will this contradiction be dealt with?

25.2 What will the United States do to reconcile these opposing goals?

Electricity Restructuring and Emissions Reductions

CEA

26. The Administration has suggested on several occasions that electricity restructuring is one of the means by which the United States will reduce its emissions of greenhouse gases because it will result in greater efficiency and therefore lower emissions of greenhouse gases. However, the October 1997 report by the Energy Information Administration (EIA), *An Analysis of Carbon Stabilization Cases*, projects more emissions of carbon dioxide—not less—as a direct result of currently developed state restructuring efforts.

26.1 How do you explain this apparent direct contradiction?

26.2 If the Administration had counted on reductions in emissions from electricity restructuring, and if on the other hand, EIA is right that state restructuring efforts will result in higher levels of emissions, then how will this affect your calculus of how the United States will meet emission reduction targets?

26.3 When is the Administration releasing its electricity restructuring proposal?

Compliance and Enforcement

Spake

27. The Kyoto Protocol is very vague with respect to compliance and enforcement.

27.1 Is the November 1998 meeting in Buenos Aires going to address these issues? Will specific compliance guidelines result from that meeting?

27.2 What is Administration's position on what those guidelines should be?

Wednesday, February 4, 1998, Post-Hearing Questions Submitted to the Honorable Kathleen A. McGinty
Page 13 of 15

- 27.3 How does the Administration propose to enforce any such compliance guidelines in the United States, and how can verification and enforcement in other countries be achieved?

Greenhouse Gas "Sinks"

CEA

28. It seems unclear in the Kyoto agreement what will qualify as a greenhouse gas sink—what kinds of forests, forest projects, land use changes or management, etc.
- 28.1 Please explain the U.S. position on what could constitute a sink, and how they should be counted in assessing our reductions in the greenhouse gas emissions.
- 28.2 What proportion of U.S. emissions could be offset by these sinks?

Q

Roles of the Council on Environmental Quality (CEQ) and the Chair of CEQ in the Development of the Administration's Climate Change Policy and in the Kyoto Protocol Negotiations

29. Please describe the roles played by the Council on Environmental Quality (CEQ) and the Chair of CEQ in developing:
- 29.1 The statement of the Administration's climate change policies in the President's October 22, 1997 speech at the National Geographic Society.
- 29.2 The Administration's policy approach to, and strategies concerning, the international climate-change negotiations during the period between the President's October speech and the first day of the Kyoto Conference (December 1, 1997); and
- 29.3 The Administration's policy approach to, and the strategies concerning, the international climate-change negotiations in Kyoto.

CEQ

Q

White House Task Force on Climate Change

CC Task Force

30. When was the White House Task Force on Climate Change established and what its purpose?
31. Please provide a list of all staff and members of the White House Task Force on Climate Change—including detailees from other Executive agencies, consultants, etc.—from its date of establishment to the present.

Q

Wednesday, February 4, 1998, Post-Hearing Questions Submitted to the Honorable Kathleen A. McGinty
Page 14 of 15

Post-Hearing Questions Submitted by Representative Roscoe G. Bartlett (R-MD)

Role of Nuclear Power in Reduction of Carbon Dioxide Emissions DOE

1. It the Administration feels that carbon dioxide (CO₂) production is such a menace to our society, why is it not more vigorously proposing an increase in the use of nuclear power production, since that produces no CO₂? Q

Global Warming OSVP

2. Why does the Administration believe that the modest increase in mean global temperatures over the past century (about 1 degree) is not due to normal fluctuations in the Earth's climate, rather than signaling a permanent "global warming"?
3. If we're moving to global warming, so what? In the past, the Earth has been much warmer than today, and Russia and Canada may not be all adverse to a bit of global warming. There will be winners and losers, but in terms of a global perspective, so what if we're having a bit of global warming? Q
4. The oceans are enormous sinks for CO₂. What can be done to enhance the effectiveness of oceans as carbon sinks?

Post-Hearing Questions Submitted by Minority Members

Discrepancies Among Economic Analyses of the Costs of Complying with the Kyoto Protocol CEA

1. Most of the witnesses today have cited various economic studies that purport to show the cost of complying with the Kyoto Protocol. Some of these studies seem to suggest that the costs will be minimal and painless, or even result in net economic benefits. Other studies cited seem to show just the exact opposite: that compliance costs will be staggering and result in job losses and economic stagnation. What accounts for such wide discrepancies in these economic analyses? Q

Relationship of U.S. Commitments Under the Kyoto Protocol to Changes Caused by Electricity Restructuring and Implementation of the New, More Stringent, Clean Air Act Requirements EPA

2. The energy industry is already facing challenges in meeting changes caused by electricity restructuring and implementation of the new, more stringent, Clean Air Act requirements. How will the proposed U.S. commitments under the Kyoto protocol relate to those on-going efforts? Q

Wednesday, February 4, 1998, Post-Hearing Questions Submitted to the Honorable Kathleen A. McGinty
Page 13 of 15

Military/National Security Implications of the Kyoto Protocol

3. Does the Kyoto agreement in any way interfere with the ability of the U.S. military to carry out any military mission or protect our national security?

Administration's Intentions to Implement the Kyoto Protocol in the Absence of Senate Ratification

4. The President has proposed a \$6 billion R&D and tax credit program to begin to reduce greenhouse gas emissions. Does this mean that the Administration intends to proceed with implementation, even though the treaty by the Administration's own admission does not meet the President's requirements, and despite the lack of Senate ratification?

Definitions and Instructions for the Production of Records

1. When a request calls for the production of records, the Subcommittee requests all responsive records that EPA has in its possession, custody, or control through the date of the final submission of records to the Subcommittee, unless the request clearly states that the Subcommittee is only interested in records EPA received during a particular time period.
2. Please sequentially number all records that you produce to the Subcommittee, and indicate the source of any record if the source is not accurately reflected on the record itself. Please submit all records on single-sided paper and submit an inventory of records produced if the volume is more than 100 pages.
3. To the extent practicable, please organize the records or documents in tabbed binders or folders that indicate which records are responsive to which requests for information.
4. For the purposes of this and related requests in the future, the word "record" or "records" shall include any and all drafts, originals, and non-identical copies of any item whether written, typed, printed, electronically recorded, transcribed, punched, or taped, however produced or reproduced, and includes but is not limited to any writing, transcription, or recording, produced or stored in any fashion, including any and all computer entries, memoranda, notes, talking points, letters, journal entries, reports, studies, calendars, manuals, press releases, opinions, documents, analyses, messages, summaries, bulletins, e-mail messages (in hard copy and electronic forms), disks, the text of any alphanumeric messages or other electronic paging devices, briefing materials, cover sheets or routing cover sheets and any other machine readable material of any sort whether prepared by current or former officers and employees, agents, consultants or by any non-employee without limitation. "Record" or "records" shall also include redacted and unredacted versions of the same record.

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February 26, 1998

The Honorable John H. Gibbons
 Assistant to the President for Science and Technology,
 and Director, Office of Science and Technology Policy
 Room 424
 Old Executive Office Building
 Washington, DC 20502

Dear Dr. Gibbons:

I wish to express my sincere appreciation for your testimony during the February 12, 1998 Committee on Science "The Road from Kyoto—Part 2: Kyoto and the Administration's Fiscal Year 1999 Budget Request" hearing.

Enclosed are additional questions from Members of the Committee, as well as a copy of the hearing transcript. Your responses will be published as part of the official record of the hearing. In addition to a hard copy of your answers, the Committee requires an additional copy, including any supporting graphs or charts, saved on a DOS formatted 3.5 inch diskette, in either Word Perfect, Word or ASCII text. Please send your responses to Ms. Sarah Monahan of the Committee staff. If you prefer, you may E-mail your responses to sarah.monahan@mail.house.gov.

I would appreciate receiving your responses to the enclosed questions by Thursday, March 19, 1998.

Also enclosed is a copy of the verbatim transcript for your review. The Committee's rule pertaining to the printing of transcripts is as follows:

The transcripts... shall be published in verbatim form, with the material requested for the record, as appropriate. Any requests to correct any errors, other than transcription, shall be appended to the record, and the appropriate place where the change is requested will be footnoted.

The complete revisions to the transcripts submitted for the record must be received by Thursday, March 12, 1998, and should be sent to Ms. Sarah Monahan, Subcommittee on Energy and Environment, H2-389 Ford House Office Building, Washington, DC 20515. If you have any questions, please contact Ms. Monahan at (202) 225-9662.

The Honorable John H. Gibbons
February 26, 1998
Page two

Thank you again for making this hearing successful. Once the transcript has been completed and published, a copy will be forwarded to you.

Sincerely,


F. JAMES SENSENBRENNER, JR.
Chairman

FJS:hlw

COMMITTEE ON SCIENCE
U.S. HOUSE OF REPRESENTATIVES

Hearing
on

The Road from Kyoto—Part 2:

Kyoto and the Administration's Fiscal Year 1999 Budget Request

Thursday, February 12, 1998

Post-Hearing Questions
Submitted to

The Honorable John H. Gibbons
Assistant to the President for Science and Technology
and
Director, Office of Science and Technology Policy

Post-Hearing Questions Submitted by Chairman Sensenbrenner

"Clear and Compelling Evidence" That Human Activities Are Causing Climate Change

- Q1. You also state on page 2 of your testimony that "the scientific evidence that climate change is occurring, and that human activities are playing a significant role in causing such change, is clear and compelling." However, at a recent American Meteorological Society international meeting on Global Climate Studies in Phoenix, Arizona, David Rind and Judith Lean of NASA demonstrated that about half of the observed global warming is ascribed to solar activity. These means that only about 0.5°F of the warming experienced in the last century could be due to other causes, including human activity. Are you familiar with this research, and if so, how does the interplay of solar activity affect climate?

Mike M

Climate Change and Extreme Events

- Q2. Your testimony on page 4 states that, "More precipitation is likely to occur in 'extreme' downpours, where large amounts of rain fall in a short period. Some areas will be threatened by increased flooding, while others will suffer through an increased incidence of drought, as continental interiors become warmer and drier." However, the 1995 IPCC report, *The Science of Climate Change*, concludes on page 336: "Except maybe for precipitation, there is little agreement between models on changes in extreme events [emphasis added]." And even concerning precipitation, it concludes: "Several models suggest an increase in the precipitation intensity, suggesting a possibility for more extreme rainfall events [emphasis added]."

M. Ke M

Do you agree with these IPCC conclusions?

Wednesday, February 4, 1998, Post-Hearing Questions Submitted to the Honorable John H. Gibbons
Page 2 of 12

- Q3. With respect to your statement on page 4 that "Some areas will be threatened by increased flooding, while others will suffer through an increased incidence of drought, as continental interiors become warmer and drier," isn't it also likely to be true that some areas will have decreased flooding and decreased incidence of drought?"

Possibly
but overall ↑

Documentation of 1997 Temperature Statistics

- Q4. Your testimony on page 4 also states that "new results from the National Oceanic and Atmospheric Administration (NOAA) show that 1995 has been surpassed by 1997, and that nine of the last eleven years are among the warmest ever recorded (Figure 1). 1997 also shows up as the warmest year in data records maintained by the United Kingdom Meteorological Office and the NASA Goddard Institute of Space Studies, meaning that the three most comprehensive and accurate long-term surface data records all indicate continued warming of our planet."

- Q4.1 Please provide a copy of NOAA report and accompanying data/statistics referred to in your statement above.

7 has

- Q4.2 Please provide a copy of the Goddard Institute for Space Studies/NASA confirmation and accompanying data/statistics referred to in your statement above.

Hansen
Web Site
e-mail

- Q4.3 Please provide a copy of the East Anglia University confirmation and accompanying data/statistics referred to in your statement above.

Nov 1997

- Q4.4 Please document your statement that "The nine warmest years of the century have occurred in the past 11 years."

Karl

Land- and Sea-Based Versus Satellite Temperature Measurements

- Q5. Your testimony on page 4 says that 1997 was the warmest year on record. However, the land-based temperature data upon which this claim is based do not comport with satellite data, which show a slight cooling trend (-0.05°C per decade) over the last 19 years in the layer from about 5,000 to 30,000 feet. In fact, 1997 was the 8th coolest year in the satellite record, just slightly less than the 19-year average.

We have Q5
A - TK +
also, Hansen
opened

- Q5.1 How do you account for the divergence between the trends in land-based and satellite temperature records over the past two decades.

- Q5.2 What type of research is U.S. Global Change Research Program conducting to resolve this discrepancy?

H. K. M

Wednesday, February 4, 1998, Post-Hearing Questions Submitted to the Honorable John H. Gibbons
Page 3 of 12

- Q6. The land-based temperature record is subject to the effects of urbanization that could raise temperatures. Because of this bias, some scientists have questioned the appropriateness of using the land-based temperature record alone to detect global warming. Because the satellites measure temperatures three-dimensionally (i.e., between 5,000 and 30,000 feet), there is no bias from urbanization or other factors. Moreover, the satellites cover the entire globe whereas ground-based thermometers do not. How reliable, then, is the ground-based temperature record?

Reliable - 2:10
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Evidence for Significant Regional Ecosystem Response to Warming Experienced during the Period 1981-1991

- Q7. Your testimony refers a paper published in the April 17, 1997 issue of *Nature* that "presented compelling evidence for significant regional ecosystem response to warming experienced during the period 1981-1991."

Miami
Susan

Please provide a copy of that paper for the record.

Records of Total Rainfall and Extreme Rainfall for the United States Over the Last Century

- Q8. On pages 4 and 5 of your written testimony, you discuss NOAA's Tom Karl review of the records of total rainfall and extreme rainfall for the United States over the last century and conclusions he reached based upon that review.

TK

Please provide a copy Mr. Karl's review and the underlying data used in that review.

Extreme Weather Events

- Q9. On page 6 of your written testimony you state that "I want to emphasize that one can't point to any single extreme-weather event today and say for sure that global warming caused it. But we can say that such events are examples of the kinds of impacts we expect to occur with greater frequency in a warmer world."

Please provide documentation of your statement that "such [extreme weather] events are examples of the kinds of impacts we expect to occur with greater frequency in a warmer world."

ask Karl
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IPCC "Business As Usual" Scenario

- Q10. On page 6 of your written testimony you discuss the IPCC "business as usual" scenario.

Please provide a listing of all IPCC "business as usual" scenario assumptions.

Jae En Mike Mac

I. Gibbons

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Wednesday, February 4, 1998, Post-Hearing Questions Submitted to the Honorable John H. Gibbons
Page 5 of 12

Similar Letters Urging Action from the Economic Community

Q15. On page 10 of your written testimony you state that "We have received similar letters urging action from the economic community."

Please document this statement.

economics letter

Regional Vulnerabilities

Q16. On page 11 of your written testimony you state the following:

"Alaska: The state's economic dependence on natural resources makes it highly vulnerable to climate change. Global warming will be most pronounced in northern regions. Probable consequences include drying of Alaska's interior, inundation of fragile coastal delta areas, and, most seriously, melting of permafrost, which is already underway. Continuation of Alaskan warming will lead to the disappearance of most discontinuous permafrost over the next 100 years. In many places, ground level can collapse 5 yards or more, leading to significant damages to ecosystems and human infrastructure. Houses, roads, airports, military installations, pipelines, and any other facility built on ice-rich permafrost are at risk. The melting of permafrost and the warming of tundra will lead to the release of carbon and methane deposits from the formerly frozen lands, which could make them an additional source of atmospheric greenhouse gases. Ecosystem effects include destruction of trees and caribou habitat; clogging of salmon spawning streams; reduction in forested areas; expansion of lakes and wetlands; and increased rates of coastal and riverbank erosion, slope instability, landslides and erosion."

Please document these statements.

*see workshop
/ Send report.*

Q17. On page 12 of your written testimony you state the following:

"Great Plains: All sectors of life in the Great Plains are dependent on a very limited water supply, and water shortages there are already a problem. The further drying expected from climate change poses the region's most significant risk. Agriculture is the base of the economy, despite the constraints of the dry and variable environment. Because agricultural water needs often exceed rainfall, water for irrigation is commonly supplied from deep aquifers, which are experiencing overdrafts and dropping water tables. As climate change leads to warmer conditions and an intensified hydrological system, the soils of the area are anticipated to further dry. The simultaneous drop in aquifer levels, greater run-off from extreme downpours, and shorter duration of snow cover will exacerbate the region's water supply problems. Drier soils could be subject to increased wind erosion, which has led to "dust bowl" conditions in the past. Better soil tillage practices would simultaneously improve soil fertility, soil carbon storage capacity, and soil moisture holding capacity. Native species will face increasing levels of competition from introduced species, such as cheat grass, Japanese brome, Russian thistle, and leafy spurge, which already account for extensive economic losses. Riparian areas (wetlands and prairie potholes), which are used intensively by hunters, anglers, and bird watchers, are extremely vulnerable to warmer, drier climate."

Please document these statements.

*Send workshop report?
also cite OTA Preparing for an Uncertain Climate*

Wednesday, February 4, 1998, Post-Hearing Questions Submitted to the Honorable John H. Gibbons
Page 6 of 12.

Q18. On page 12 of your written testimony you also state the following:

"Southeast: The Southeast is a region of abundance, with numerous wetlands, an extensive coastline, and productive agriculture, fisheries, and forestry. Urbanization and rapid population growth are already exerting significant stress on some fragile ecosystems. The Florida Everglades have been significantly altered by human encroachment, with approximately half of the ecosystem lost or severely altered by drainage for development as well as pollution from agricultural run-off. While the Southeast's long coastline makes it a recreational playground, its low elevation renders it extremely vulnerable to sea level rise and storm surges during extreme weather events, such as hurricanes, which are expected to worsen with climate change. A 1 foot rise in sea-level, the best estimate over the next century, could erode 100 to 1000 feet of Florida beaches, damaging property as well as tourist interests."

Please document these statements.

✓ EPA 1989 report impacts
check OIA report
and reg workshop rpt?

Q19. On pages 12 and 13 of your written testimony you state the following:

Literature cited in OSTP
workshop rpt

"Southwest: Rapid population growth in this arid or semi-arid region make the Southwest extremely vulnerable to water supply problems that are likely to worsen under climate change. The region is naturally subject to large climate fluctuations, which have produced fairly robust adaptation mechanisms in ranching and agriculture. The native flora and fauna are also well adapted to life in this harsh and dry environment. Surface water supplies are insufficient, forcing reliance on groundwater, use of which already exceeds recharge and is leading to subsidence in many areas. Climate change will pose serious challenges and is likely to result in significant impacts to the region's traditional economic sectors as well as tourism, development, and retail sectors that now make up much of the region's economy. Expected conditions include more extremely hot days, fewer cool days, and decreased winter precipitation. Alteration of the region's hydrologic cycle would affect quantity and quality of the water supply, with major implications for continued development in the region. Significant changes in vegetation are also predicted, with Gambel oak, Piñon pine, and Douglas fir largely disappearing from the region. Saguaro would die off in its current range, but might find a new home further east and at higher elevations."

Please document these statements.

} Workshop rpt?
Cite refs in Workshop rpt?

Wednesday, February 4, 1998, Post-Hearing Questions Submitted to the Honorable John H. Gibbons
Page 7 of 12

Q20. On page 13 of your written testimony you state the following:

"New England: New England's economy is diverse, and many aspects are indirectly dependent on climate. Its natural areas are prized, and its fall foliage draws visitors from all over the world. The region is vulnerable to drought and severe storms, which modify its vegetation and impact production of forest and fisheries products. Warmer, drier climate could reduce ski tourism and shift optimal climatic conditions north into Canada for the tree species prized for their fall foliage and maple syrup. Coastal areas are likely to be affected by intensifying storms, sea level rise, and reduced freshwater input to estuaries. Air quality, already poor in the region's major urban areas, could decline even further as hot, humid weather increases, leading to increased incidences of respiratory illness."

Please document these statements.

Health Effects

Q21. On page 13 of your written testimony you also state the following:

"Health Effects: According to the World Health Organization, the vulnerability of human populations to climate change varies across populations depending on environmental circumstances, social resources, and preexisting health status. In general, developing countries are more vulnerable to climate change than developed countries because of their limited capital and their greater dependence on natural resources. Climate change increases the risk of heat-related mortality and the potential for the spread of vector-borne diseases, such as malaria, dengue and yellow fever, and encephalitis, and non-vector borne diseases such as cholera and salmonellosis. The incidence of infectious diseases, which are still the world's leading cause of fatalities, may also increase."

Please document these statements.

Q22. On page 13 of your written testimony you also state the following:

"A study of deaths associated with summer time heat stress and winter time illnesses in 44 U.S. cities estimated that climate change could double the number of weather-related deaths. The elderly are at greatest risk in the U.S., and urban populations in developing countries are also especially vulnerable to heat stress."

Please provide a copy of this study.

*Regional Report
(Check EPA 1988 report)*

*Call EPA - Grunlock
or Patsy or Schenck*

EPA for health

Wednesday, February 4, 1998, Post-Hearing Questions Submitted to the Honorable John H. Gibbons
Page 8 of 12

Q23. On page 14 of your written testimony you state the following:

"Climate change is likely to extend the geographic ranges and increase the rates of transmission of disease-carrying vectors such as mosquitoes, which can increase the populations exposed to diseases such as malaria, dengue and yellow fever. Globally, the population exposed to malaria could increase by one-third. There could be 50-80 million additional malaria cases per year, assuming no change in public health protection."

Please document these statements.

IPCC
Chris

Q24. On page 14 of your written testimony you state the following:

"Climate change can reduce air quality and increase levels of air borne pollen and spores, which exacerbate respiratory disease, asthma, and allergic disorders."

Please document these statements.

? IPCC
on Schenker
(EPA)

Impacts on Water Resources

Q25. On page 14 of your written testimony you also state the following:

"Water Resources: Among the most fundamental effects of climate change is an intensification of the hydrological cycle. Changes in precipitation, and increased evaporation and transpiration due to higher temperatures, can be expected to reduce water runoff, affecting the quantity and quality of water supplies for domestic and industrial uses, irrigation, hydropower generation, navigation, stream ecosystems and water based recreation. These effects will vary region by region. Increased variability in the hydrologic cycle is expected to result in more severe droughts and/or floods in some places. Impacts and mitigation expenses for such events are significant; damage estimates from the Mississippi flood of 1993 range from \$10 billion to \$20 billion. Areas of greatest vulnerability are those where water supplies and quality are already problems, such as arid and semi-arid regions of the world and some low lying coastal areas, deltas and small islands."

IPCC

- Climate change would likely add to the stress in several U.S. river basins, such as the Great Basin, California, Missouri, Arkansas, Texas Gulf, Rio Grande, and Lower Colorado.
- The Colorado River Basin would suffer decreased summer runoff, coinciding with peak demand for irrigation, unless precipitation also increases substantially. Reductions in runoff of up to 25 percent in the basin are projected under some scenarios.

OTA

Regional
Workshop

Wednesday, February 4, 1998, Post-Hearing Questions Submitted to the Honorable John H. Gibbons
Page 9 of 12 -

- Water scarcity in Middle Eastern and African countries also is likely to be exacerbated by climate change. Countries that are highly dependent on water originating in areas outside their borders include Syria, Sudan, Egypt and Iraq." IPCC

Please document these statements.

Impacts on Forests

Q26. On pages 14 and 15 of your written testimony you also state the following: IPCC

"Forests: Climate change can dramatically alter the geographic distributions of individual tree species and of forest and vegetation types. One-third of the Earth's forests would undergo a major change in the type of vegetation that could be supported as a result of an equivalent doubling of CO₂. In northern forests, which are the forests most vulnerable to climate change, two-thirds of the currently forested area may undergo a change in vegetation type. Mountaintop species and isolated populations are particularly vulnerable. Over the next century, the ideal range for some North American forest species will shift by as much as 300 miles to the north, exceeding the ability of many species to migrate. In some instances, a change in vegetation type will result in a loss of forest area as the land converts to grassland or shrub land, while in other areas forest cover may increase.

- In the United States, western conifer forests could decrease in area and be replaced by broadleaf forests; eastern hardwood forests may be replaced by grasslands along their western boundary because of mid-continental drying. Forest damage from fire and diebacks driven by drought, insects and disease could increase."

Please document these statements.

Impacts on Other Natural Areas

Q27. On page 15 of your written testimony you state the following:

"Other Natural Areas: Natural ecosystems are highly vulnerable to degradation from climate change. Federally protected natural areas have become a repository for the Nation's rarest species and are critical for the conservation of biological diversity. The composition, geographic distribution, and productivity of many ecosystems will shift as individual species respond to changes in climate. These will likely lead to reduction in biological diversity and in the goods and services ecosystems provide for society, such as clean water and recreation. Freshwater wetlands are particularly at risk from climate change. IPCC findings show that: IPCC

- Precipitation changes and salt water intrusion from sea level rise could adversely affect the ecological communities of the Florida Everglades and degrade the habitat for many species of wading birds.

We said that IPCC pointed out Everglades!
SE Workshop?

Wednesday, February 4, 1998, Post-Hearing Questions Submitted to the Honorable John H. Gibbons
Page 10 of 12

- The wetlands of the prairie pothole region of North America, which support half the waterfowl population of this continent, could diminish in area and change dramatically in character in response to climate change, significantly exacerbating the destruction already caused by agriculture." OTA
&?

Please document these statements.

Impacts on Coastal Areas

Q28. On page 15 of your written testimony you also state the following:

"Coastal Areas: Even if concentrations of greenhouse gases are stabilized in the future, sea level would continue to rise long after, perhaps for several centuries, and reach levels much higher than projected for the next 100 years. For example, after an equivalent doubling of CO₂, the IPCC expects sea level to rise by 6 - 38 inches over the next century, with a "best estimate" of 20 inches, but the equilibrium sea level rise several centuries in the future is estimated to be at least 6 feet. Rising sea level erodes beaches and coastal wetlands, causes the gradual inundation of low lying areas, leading to human habitat loss and increasing the vulnerability of coastal areas to flooding from storm surges and intense rainfall. The IPCC estimates that 20 inches of sea level rise would double the population at risk from storm surges, from roughly 45 million at present to over 90 million world-wide. A three foot rise would triple the number of people exposed. Increases in coastal area populations are likely to further increase the number of people at risk." IPCC

- Along U.S. coasts, a 20 inch rise could inundate more than 5000 square miles of dry land and an additional 4000 square miles of wetlands if not protective measures are taken. A three foot rise would have greater impact, inundating much of the Southern tip of Florida among other areas. EPA
- Internationally, low-lying areas, such as parts of the Maldives and Bangladesh, would be completely inundated by a three foot sea level rise, creating large numbers of environmental refugees, which put stress on governments and social structures. 72 million people in China would be affected, assuming existing levels of coastal development." IPCC

Please document these statements

Impacts on Agriculture and Food Supply

Q29. On pages 15 and 16 of your written testimony you also state the following:

"Agriculture and Food Supply: Agriculture is highly dependent on a number of variables that are likely to be affected by climate change, including weather patterns, longer term patterns of climate variability, and, most importantly, water availability. Climate change is likely to lead to increased crop yields in many areas, but decreased yields in others, even for the same crop. The magnitude of these changes can exceed +/- 30 or 40 percent for some crops and locations. Despite these potentially large changes in yields, average global food production is not expected to change substantially. This is because farming practices are considered to be highly adaptable to different climates, because production of important food crops can shift to new locations in response to changes in climate, and because CO2 has beneficial effects for plant photosynthesis and water use efficiency that can offset some deleterious effects of changes in climate. Impacts are likely to vary considerably across regions and some regions may suffer substantial reductions in agricultural production. In general, developing countries are more vulnerable to losses than are developed countries.

- Large reductions in soil moisture could significantly reduce flexibility in crop distribution and increase demands on water resources infrastructure.
- Increases in the range of pest habitat could increase vulnerabilities to pests and demand for, and use of, pesticides.
- In the United States, large areas of the eastern and central regions of the country face moderate to severe drying. Drought could become more frequent, particularly in the Great Plains."

Please document these statements.

Unresolved Scientific Issues Relating to the Modeling of the Impact of Future Potential Greenhouse Gas Emissions on Global Temperature

Q30. What are the greatest unresolved scientific issues relating to the modeling of the impact of future potential greenhouse gas emissions on global temperature in order of importance?

Q31. How, by whom and where are the issues identified in the response to question 29 addressed by the U.S. Global Change Research Program?

Unresolved Scientific Issues Involved in Projecting Future Temperature Increases and the Impacts Thereof

Q32. What are the greatest unresolved scientific issues involved in projecting future temperature increases and the impacts thereof?

IPCC

OTR
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MacCracken
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MacCracken
Goodrich

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Goodrich

Wednesday, February 4, 1998, Post-Hearing Questions Submitted to the Honorable John H. Gibbons
Page 11 of 12

Q33. How, by whom and where are the issues identified in the response to question 32 addressed by the U.S. Global Change Research Program?

} Multi-Entity -
Continued

Process of Preparing and Reviewing the U.S. Global Change Research Program Budgets and Projects

Q34. In the preparation of the FY 1999 U.S. Global Change Research Program budget, have independent experts been involved in recommending and reviewing budget priorities and projects?

✓ GCRP
✓ GCRP

Q35. If your answer to question 34 is yes, what was the process and which outside institutions/individuals were involved?

GCRP

Q36. Was there any independent peer review or peer involvement to identify scientific uncertainties to be addressed by the FY 1999 U.S. Global Change Research Program?

Q37. If your answer to question 36 is yes:

GCRP

Q37.1 What independent peer review or peer involvement took place and what were their suggestions/recommendations?

GCRP

Q37.2 Were any suggestions/recommendations not addressed, and if so, why?

✓

Q38. What are your current plans for involving the scientific community in identifying unresolved scientific questions and directing resources to address them?

GCRP +
OSTP

JAMES M. TALENT, MISSOURI
Governor

JOHN J. LAFALCE, NEW YORK

TALENT
Congress of the United States

House of Representatives

105th Congress

Committee on Small Business

2301 Rayburn House Office Building

Washington, DC 20515-4315

David
Dick
Shelly
Wes
Katie
Dinah
Judy
Robert

March 2, 1998

The Honorable Kathleen A. McGinty, Chair
Council on Environmental Quality
Executive Office of the President
360 Old Executive Office Building
Washington, DC 20500

Dear Ms. McGinty:

As you are aware, the Third Session of the Conference of Parties to the UN Framework Convention on Climate Change (COP-3) was held in Kyoto, Japan from December 1-11, 1997. On December 11, COP-3 adopted the Kyoto Protocol to the United Nations Framework Convention on Climate Change (UNFCCC), which sets binding greenhouse gas (GHG) emissions targets for developed nations.

Due to the potential economic impact of this Protocol, the House Committee on Small Business is reviewing this agreement, pursuant to its oversight jurisdiction, based on the accord's perceived economic impact on small business.

Please provide the Committee with the following information regarding the Kyoto Protocol:

1. Any and all regulatory impact or economic analyses performed by federal agencies, contractors or grantees regarding the implementation of the Kyoto Protocol in the United States; *CEA*
2. Any and all activities and/or plans for federal agency implementation of the Kyoto Protocol; *State*
3. Any and all evidence, documentation, or scientific bases for the existence of the phenomenon described as Global Warming; *OSTP*
4. Any known or perceived specific time frame for signing of the Kyoto Protocol by the President of the United States; and *State*

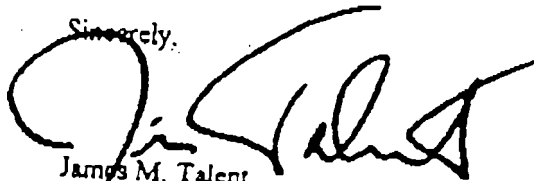
5. Copies of any side agreements, memoranda, protocols or other documents concerning the Kyoto Protocol entered into or contemplated between the Executive Branch and other nations, parties or non-governmental entities. *Sheld*

Please deliver these materials to the Committee on Small Business, Room 2361 Rayburn House Office Building, by March 18, 1998.

If you have any questions regarding this request, please contact Peter Brechtel of the Committee staff at 225-5821.

Thank you for your prompt attention to this matter.

Sincerely,



James M. Talent
Chairman