MASTER CLIMATE CHANGE INVITATION LIST					
NAME/TITLE	**COMPANY**	**ADDRESS**	**PHONE**	**FAX**	**COMMENTS**
Abdoo, Richard A. Chairman & CEO	Wisconsin Electric Power Company	Post Office Box 2949, Milwaukee, Wisconsin 53201, St. Address: 231 W. Michigan Street Milwaukee, Wisconsin 53203	414-221-2118	414-221-2172 Asst: Dolores Karpinski: 414-221-2119	referred by Nuclear Energy Institute/ Maureen Koetz
Adams, John Exec. Dir.	Natural Resources Defense Council	40 West 20th St., New York, NY 10011	212-727-2700	212-633-6935	
Adcock, J. Patrick President	EIC (Econergy International Corporation	1790 30th St, Suite 440 Boulder,CO 80301	303-473-9007	303-473-9060	
Adesanya, Dr. Babafemi Director	Env. Justice Research Center Hampton University	27 West Queens Way, Suite 102 Hampton, VA 23669	757-728-3958	757-728-9058	
Ahlmann, Kaj Chairman & CEO	Employers Reinsurance Corp.	5200 Metcalf St., Post Office Box 2991, Overland Park, Kansas 66202-1296	913-676-5200	913-676-5258	
Alberts, Bruce President	National Academy of Sciences	2101 Constitution Ave., N.W. Washington, D.C. 20418	202-334-2100	202-334-1647	
Albritton, Dan Director	Aeronomy Lab, NOAA/ Commerce, Boulder, CO	325 Broadway, Boulder, Colorado 80303	303-497-5785	303-497-5340	For the Roundtables acc: to Dirk Forrister
Allen, Robert Chairman & CEO	AT&T	32 Avenue of the Americas, New York, New York 10013-2412	212-387-5400	212-226-4935	

Allen, Wayne Chairman & CEO	Phillips Petroleum Co.	4th & Keeler Streets, Bartlesville, Oklahoma 74004	918-661-6600	918-661-7636	
Anderson, Ray Chairman & CEO	Interface	2859 Paces Ferry Rd., Suite 200 Atlanta, GA 30339	707-437-6802	707-437-6822	
Armacost, Michael President	Brookings Instiution	1775 Mass. Ave., N.W. Washington, D.C. 20036	202-797-6000	202-797-6004	
Augustine, Norman Chairman, Vance D. Coffman, Vice Chairman & CEO	Lockheed Martin Corp.	6801 Rockledge Drive, Bethesda, Maryland 20817	301-897-6185	301-897-6083	invited 8/4
Barnette, Curtis H. Chairman & CEO	Bethlehem Steel Corp.	1170 8th Avenue, Bethlehem, Pennsylvania 18016-7699	610-694-2424	610-694-5743	8/4 event
Barron, Dr.Eric	Pennsylvania State University	The Earth System Science Center, Penn State Univ. 248 Deike Bldg. Univ.Park, Pennsylvania 16802	814-865-1619	814-865-3191	For the Roundtables acc: to Dirk Forrister
Barry, John J. President	Int'l Brotherhood of Electrical Workers	1125 15th St., N.W., Washington, D.C. 20005	202-833-7000	202-467-6316	
Baucus, Max Sen.					
Bayless, Charles Chairman Pres., & CEO	Tuscon Electric Power Co.	P.O. Box 711 Tucson, AZ 85702	520-884-3612	520-884-3991	
Bechtel, Riley P. Chairman & Chief Executive Officer	Bechtel Group, Inc.	P.O. Box 193965 San Francisco, CA 94119-3965	415-768-1234	415-768-9038	per Dirk

Becker, George President	United Steelworkers of America	Five Gateway Center, Pittsburgh, Pennsylvania 15222	412-562-2400	412-562-2598	
Bentley, Holly Lynn Secretary	Nat'l FFA Organization	5632 Mt. Vernon Memorial Highway Alexandria, VA 22309	703-360-3600 ext. 346	703-360-5524	
Bergsten, Fred President	Institute for International Economics	11 Dupont Circle, Washington, D.C. 20036	202-328-0583	202-328-4532	
Bliley, Tom Rep.					
Blinder, Alan Dr. Director	Center for Economic Policy Studies Ex-Member CEA	Princeton University, Department of Economics, Princeton, New Jersey 08544	609-258-3358	609-258-5398	
Bonsignore, Michael Chairman & CEO	Honeywell Inc.	2701 Fourth Ave. South, Minneapolis, Minnesota 55440	612-951-1000	612-951-3070	8/4 event
Bossidy Lawrence Chairman & CEO	Allied Signal Inc.	101 Columbia Rd. Morristown, NJ 07692-2497	973-455-2000	973-455-4002	
Boyce, Gregory H. Pres. & CEO	Kennecott Energy Co.	505 S. Gillette Ave. Caller Box 3009, Gillette, WY 82717-3009	307-687-6001	307-687-6011	
Brobeck, Stephen Exec. Dir.	Consumer Federation of America	1424 16th St., N.W. Suite 604, WDC 20036	202-387-6121	202-265-7989	

Brown, Dr. Willie President	National Society of Black Physicists	Dept. Of Physics, Southern Univ., Baton Rouge, Louisiana 70810	504-771-4130	504-771-2310	
Brown , David L. President & CEO	The BF Goodrch Co.	4020 Kinross Lakes Parkway Richfield, OH 44286	216-659-7700	216-659-7737	
Browne, John Group Chief Exec.	The British Petroleum Co.	Brittanic House, 1 Finsbury Circus, London EC 2M 7BA	Contact Liz - Reicherts: 703-516-9535		8/4 event
Buckman, Fred President & CEO	PacifiCorp	700 N.E. Multnomah, #1600, Portland, Oregon 97232-4116	503-731-2000	503-731-2136	8/4 event
Bullard, Dr. Robert D. Director	Environmental Justice Resource Center, Clark Atlanta Univ.,	James P. Brawley Dr. at Fair St., SW, Clark Atlanta Univ., Altanta, Georgia 30314	404-880-6911	404-880-6909	
Burt, Robert Chairman & CEO	FMC Corp.	200 E. Randolph Dr., Chicago, Illinois 60601	312-861-6000	312-861-6141	8/4 event
Butler, Jolynn Barry Incoming President of NARUC	Ohio Public Utilities Commission	180 East Braod St. Columbus, OH 43215-3793	614-466-3101	614-466-7366	

Byrd, Robert Sen.					
Callahan, Deb President	League of Conservation Voters	1707 L St., N.W. #750 Washington, D.C. 20036	202-785-8683	202-835-0491	
Campbell, Rev. Joan Brown General Secretary	National Council of Churches of Christ	475 Riverside Dr. Rm. 880, New York, New York 10115	212-870-2141	212-870-2817	
Cannon, Joseph	Geneva Steel	185 South State St., Suite 1300, Salt Lake City, UT 84111	801-227-9000	801-227-9075	
Carlson, Joy Director	Children's Environmental Health Network	5900 Hollis St., Suite E, Emeryville, California 94608	510-450-3818	510-450-3773	
Carper, Tom Gov.	Gov. of DE	820 N. French St. Wilmington, DE 19801	302-577-6636	302-577-6580	IGA
Carroll, Philip J. President & CEO	Shell Oil Co.	One Shell Plaza (77002) P.O. Box 2463 Houston, Texas 77252-2463	713-241-4301	713-241-4678	
Casten, Thomas R. President & CEO	Trigen Energy Corporation	One Water St., White Plains, Ny 10601-1009	914-286-6600	914-948-9157 or 9190	
Catelle, Robert B. President & CEO	Brooklyn Union Gas Co.	1 Metrotech Center, Brooklyn, New York 11201-3851	718-403-2000	718-643-2277	
CEO	L.L. Bean				
CEO	Patagonia				
CEO	North Face				

Chafee, John Sen.					
Charles Jones, William V.P. - Southern Region	Nat'l FFA Organization	5632 Mt. Vernon Memorial Highway Alexandria, VA 22309	703-360-3600 ext.344	703-360-5524	
Chiles, Lawton Gov.	Gov. of FL	The Capitol Tallahassee, FL 3239	904-488-2272	904-922-2894	IGA
Choata, Jerry D. Chairman & CEO	Allstate	2775 Sanders Rd., Northbrook, Illinois 60062-2162	847-402-5000	847-402-0575	
Chookaszian, Dennis Chairman & CEO	CNA Insurance Co.	CNA Plaza, 40th Floor, Chicago, Illinois 60685	312-822-5212	312-822-4053	
Christiansen, Rev. Drew Director of International Justice & Peace	U.S. Catholic Conference	3211 4th St., NE, Washington, D.C. 20017	202-541-3000	202-722-8737	
Chuda, Nancy Gould Chuda and James	Children's Health Environmental Coalition	P.O. Box 846, Malibu, California 90265	310-573-9608	310-	
Cisneros, The Honorable Henry CEO	Univision Communicatio n Inc.	1999 Ave. of the Stars Suite 3050, LA, CA 90067	310-556-7676	310-556-7697	
Cleaver, Emmanuel Mayor	City of Missouri	414 E. 12th St. 29th St. Kansas City, Missouri 64106	816-274-2595	816-274-1991	IGA
Codey, Larry President & CEO	Pub. Serv. Electric & Gas PSE&G	80 Park Plaza Newark, NJ 07102-4194	973-430-8358	973-565-0525	
Cole, Jr., Dr. Thomas W. President	Clark Atlanta University	240 James P. Brawley Dr., SW Atlanta, GA 30314	404-880-8000	404-880-8995	

Condit, Philip M. Chairman, Pres. & CEO	The Boeing Co.	7755 E. Marginal Way South, P.O. Box 3707/ MS 10-10, Seattle, Washington 98124	206-544-7000	206-655-4206	invited 8/4
Conlin, Greg President	Public Utilities Commission	505 Van Ness Ave., San Francisco, CA 94104	415-703-2440	415-703-2532	
Connolly, Jr., Matthew B. Executive Vice President	Ducks Unlimited	One Waterfowl Way, Memphis, Tennesee 38120-2351	901-758-3825	901-758-3855	
Cook, Ken President	Environmental Working Group	1718 Conn. Ave., N.W. #600, Washington, D.C. 20009	202-667-6982	202-232-2592	
Corell, Bob					For the Roundtables acc: to Dirk Forrister
Correll (Pete) A.D.	Georgia Pacific Corp.	133 Peachtree St. N.E., Atlanta, Georgia 30303	404-652-4000	404-584-1442	8/4 event
Corzine, John Chairman	Goldman, Sachs	85 Broad St., New York, New York 10004	212-902-8281	212-363-7844	
Crandall, Robert CEO	American Airlines	P.O. Box 619616, DFW Airport, Texas, 75261-9616	817-967-2000	817-967-4162	invited 8/4
Creighton, Jr., (Jack)John W. President & CEO	Weyerhaeuser Co.	33663 Weyerhaeuser Way South, Federal Way, Washington 98003	206-924-2345	206-924-2685	

Crockett, David Dist. Attorney General		Rt. 19 Box 99 Johnson City, TN 37601	423-542-1801	423-929-2874	
Cronkite, Walter					
Crowell, Craven Chairman	Tennessee Valley Authority	400 West Sumit Hill Dr. Knoxvill, TN 37902-1499	423-632-2531	423-632-2244	
Dahlberg, William Chairman, Pres. & CEO	Southern Co.	270 Peachtree St., N.W., Atlanta, Georgia 30303	770-393-0650	404-506-0584	
Danson, Ted President	American Oceans Campaign	725 Arizona Ave. #102 Santa Monica, California 90401	310-576-6162	310-576-6170	
Dasburg, John H. President & CEO	Northwest Airlines	5101 N.W. Dr., St. Paul Minnesota 55111-3034	612-726-2111	612-726-0776	
David, George President & CEO	United Technologies Corp.	United Technologies Building, Hartford, Connecticut 06101	860-728-7000	860-728-6494	invited 8/4
Davis, William Chairman & CEO	Niagra Mohawk Power Corp.	300 Erie Blvd. West, Syracuse, New York 13202	315-474-1511	315-428-6223	
Dean, Howard Gov.	Gov. of VT	109 State St. Montpelier, VT 05609	802-828-3333	802-828-3339	IGA
Deland, Michael CEQ Chair, Vice Chairman	American Flywheel Systems, Inc.	1350 I St., N.W. Washington, D.C.20005	202-789-6100	202-789-6190	

Dempsey, Jerry Chairman & CEO	PPG IndustriesInc.	One PPG Place Pittsburgh, Penn 15272-0001	412-434-2679	412-434-2571	
Denham, Robert E. Chairman	Salomon Incorporated	7 World Trade Center, New York, New York 10048	212-783-6535	212-783-2400	8/4 event
DeSimone, Livio D. Chairman & CEO	3M (Minnesota Mining & Manufacturing Co.)	3M Center, St. Paul, Minnesota 55144-1000	612-733-1110	612-733-9973	invited 8/4
Deutch, John	MIT	Bldg. 6, Rm. 208 77 Mass. Ave. Cambridge, MA 02139	617-253-1479	617-258-5700	per Todd
Dingell, John Rep.					
Dorsey, Herman S. Chairman	Am. Assoc. of Blacks in Energy	850 12th Ave., New York, New York 10019	212-315-6740	212-315-6742	
Douglas, James M. Esq., President	Texas Southern University	3100 Cleburne Ave., Houston, TX 77004	713-313-7036	713-313-1092	
Draper, Linn Chairman & CEO	Am. Electric Power Co.	1 Riverside Plaza, Columbus, Ohio 43215	614-223-1000	614-223-1823	8/4 event
Eachus, Ron	Commissioner, Public Utilities Commission	550 Capitol St. NE Salem, OR 97310	503-378-6611	503-378-5505	
Earl, Tony Former NJ Governor	Quarles & Brady	First Wisconsin Plaza P.O. Box 2113 Madison, WI 53701	608-251-8000	608-251-9166	per Dirk

Eaton, Robert J. Chairman & CEO	Chrysler Corp.	1000 Chrysler Dr., Auburn Hills, Michigan 48326-2766	313-956-5741	248-512-5143	
Edelin, Dr. Ramona President & CEO	National Urban Coalition	2120 L St, NW, Suite 510, Washington, D.C. 20036	202-986-1460	202-986-1468	
Ehrlich, Paul R. author, Professor	Stanford University "Betrayal of Science and Reason"	Bing Prof. of Population Studies Dept. of Biological Sciences Stanford Univ. Stanford, CA 94305-5020	415-723-3171	415-723-5920	e-mail: pre@leland.stanford.edu
Englehardt, Irl Chairman & Chief Executive Officer	Peabody Coal	701 Market St, Suite 700 St. Louis, MO 63101	314-342-7777	314-342-7797	
Epstein, Dr. Paul M.D., M.P.H. Center for Health & the Global Environment	Harvard Medical School Oliver Wendell Holmes Society	260 Longwood Avenue Boston, MA 02115	617-432-0493	617-432-2595	
Esty, Dan	Yale University				
Farman, Richard President & CEO	Pacific Enterprises	555 W. 5th St., #2900, Los Angeles, California 90013-1011	213-895-5000	213-244-8294	
Fay, Kevin J. Executive Director	International Climate Change Partnership (ICCP)	2111 Wilson Boulevard, Suite 850 Arlington, VA 22201	703-841-0626	703-243-2874	
Fehringer, Rachel Naomi	Nat'l FFA Organization	5632 Mt. Vernon Memorial Highway Alexandria, VA 22309	703-360-3600 ext. 345	703-360-5524	

Fisher, Richard Chairman of the Executive Committee, Board of Directors	Morgan, Stanley	1585 Broadway, 40th Floor, New York, New York 10036	212-761-4470	212-761-0042	
Fisher, George Chairman & CEO	Eastman Kodak Company	343 State St. Rochester, NY 14650	716-724-4000	716-724-9070	
Fites, Donald Chairman & CEO	Caterpillar Incorporated	100 N.E. Adams St. Peoria, Ill. 61629	303-675-4245	303-675-6171	
Flicker,John President	National Audubon Society	700 Broadway, New York, NY 10003-9501	212-979-3088	212-353-0377	
Florio, Jim	Florio & Perrucci, p.c.	371 Hoes Lane, Piscataway, New Jersey 08854	732-562-9100	732-562-8558	
Fonda, Jane	Time Warner	1 CNN Center, Atlanta, Georgia 30303	404-827-1351	404-827-5655	
Ford, Jane President	National Association for City & County Health Officials	440 First St., N.W. Suite 450, Washington, D.C. 20001	202-783-5550	202-783-1583	
Forest, Harvey President & CEO	Solarex	630 Solarex Ct. Frederick, Maryland 21703	301-698-4200	301-698-4201	
Freeman, Mr. S. David General Manager	Los Angeles Dept. of Water & Power	111 N. Hope St., Room 1550, Los Angeles, CA 90012-2694	213-367-1338	213-367-1438	

Fri, Robert W. Director	National Museum of Natural History	10th & Constitution Ave., N.W. Rm. 421, MRC 106 WDC 20560	202-357-2664	202-357-4779	Sect'y: Ricky Sarnowski
Fuller, Kathryn President	World Wildlife Fund	1250 24th St., N.W. Washington, D.C. 20037	202-778-9663	202-778-9637	
Fuller, Laurance Chairman & CEO	Amoco Corp.	200 E. Randolph Dr. Chicago, Ill 60601	312-856-6111	312-616-0257	
Galanter, Ruth Councilwoman	LA, CA	City Hall 200 N. Spring St., Rm. 239 Los Angeles, CA 90012	213-485-3357	213-237-0549	IGA
Gallucci, Robert	Georgetown University School of Foreign Service				
Gangloff, Deborah Executive Director	American Forests	910 17th St., NW #600 WDC 20006	202-955-4500 X232	202-667-7751	
Garcia, Gus Councilmember	Austin, TX	City of Austin PO Box 1088 Austin, TX 78767-8844	512-499-2264	512-499-1887	IGA
Gates III, Bill H. Chairman & CEO	Microsoft Corp.	One Microsoft Way, Redmond, Washington 98052-66399	206-882-8080	206-936-7329	
Gelb, Leslie President	Council on Foreign Relations	58 East 68th St., NY,NY 10021	202-518-3400	202-518-3430	
Gelbspan, Ross	author: The Heat Is On	247 Kent St. Brookline, MA 02146	617-738-5564	617-738-0213	

Georgine, Robert President	Building and Construction Trades Department	4th Floor, 1155 15th St., N.W., Washington, D.C. 20005	202-347-1461	202-737-1725	
Gerstner, Louis Jr., Chairman & CEO	IBM Corp.	New Orchard Road Armonk, New York 10504	914-499-4900	914-499-7030	
Gieszl, Mr. Yale Exec. V.P.	Toyota Motor Sales USA, Inc.	19001 S. Western Ave., Torrance, CA 90509	310-618-4785	310-618-7839	
Gilman, Benjamen Rep.					
Gilmartin, Raymond V. Chairman, President & CEO	Merck & Co., Inc.	One Merck Drive, P.O. Box 100 Whitehouse Station, New Jersey 08889-0100	908-423-1000	908-735-3184	per Dirk
Glendening, Parris, Gov.	Gov. of MD	State House Annapolis, MD 21401	410-974-3901	410-974-5332	IGA
Gorman, Paul Exec. Dir.	National Religious Partnership for the Environment	1047 Amsterdam Ave., New York, New York 10025	212-316-7441	212-316-7547	
Graham, Billy/or Son					
Greenberg, Maurice R. Chairman & CEO	Am. Int'l Grp., Inc.	70 Pine St., New York, New York 102700	212-770-7711	212-344-6828	invited 8/4
Greenwald, Gerald Chairman & CEO	United Airlines	P.O. Box 66919 Chicago, Illinois 60666	847-700-5489	847-700-7347	invited 8/4

Haas, Robert D. Chairman & CEO	Levi Strauss Assoc.	Levi's Plaza, 1155 Battery St., P.O. Box 7215, San Francisco, California 94120	415-501-6133	415-501-3939	
Hagel, Chuck Sen.					
Hall, Mark C. Manager, Legislative & Regulatory Affairs	Trigen Energy Corporation	One Water St., White Plains, Ny 10601-1009	914-286-6621	914-948-9157	e-mail mhall@trigen.com
Hamilton, Lee Rep.					
Hankin, Dr. Grover Director	Thurgood Marshall School of Law, Env. Justice Legal Clinic, Texas Southern Univ.	3100 Clebyrne Ave., Houston, TX 77004	713-313-7287	713-313-1087	
Hansen, Paul Executive Director	Izaak Walton League of America	707 Conservation Lane, Gaithersburg Maryland 20878	301-548-0150	301-548-0149	
Hansen, James Director	Institute for Space Studies/NASA NY, NY	2880 Broadway, New York, New York 10025	212-678-5500	212-678-5622	For the Roundtables acc: to Dirk Forrister
Harvey, Dr. William R. President	Hampton University	East Queen St., Hampton, VA 23668	757-727-5000	757-727-5746	
Heinz, Teresa	The Heinz Foundation	3322 O St., NW Washington, D.C. 20007	202-737-1422	202-737-7724	
Hemminghaus, Roger Chairman & CEO	Ultramar Diamond Shamrock Corporation	PO Box 696000 San Antonio, TX 78269	210-641-6800	210-641-8885	no # listed with Information, 457-0480 wrong #

Herres, General Robert T. USAF (ret.), CEO & Chairman of the Board	USAA	9800 Fredericksburg Road., San Antonio, Texas 78288	210-498-0078	210-498-0400	
Hestenes, Rev. Roberta	World Vision International	to be provided later			
Hiner, Glen H. Chairman & CEO	Owens Corning	Fiberglass Tower, Toledo, Ohio 43659	419-248-8000	419-248-6227	
Hirshberg, Gary President & CEO	Stonyfield Farms	10 Burton Dive., Londonberry, New Hampshire 03053	603-437-4040	603-437-7594	
Holdren, John Professor	Harvard University	BCSIA, Kennedy School of Government, 79 JFK St., Cambridge, MA 02138	617-495-1464	617-495-8963	Likely Panelists acc: to Dirk Forrister
Howard, James J. Chairman, President & CEO	Northern States Power Co.	414 Nicollet Mall, Minneapolis, Minnesota 55401-1993	612-330-7707	612-330-5688 Asst: Rhoda Ailts: 612-330-6001 Cathy Jones: 612-330-7576	referred by Nuclear Energy Institute/ Maureen Koetz
Hyde, Douglas President, ex-Pres. of Green Mountain Power	Green Mountain Energy Resources	Post Office Box 850 Burlington, Vermont 05402-0850	802-660-5640	802-865-9974	re: by WHCCTF
Ishizaka, Yoshio CEO	Toyota USA	19001 S. Western Avenue, Torrance, California 90509	310-618-4000	310-618-7815	
Jackson, Sr., Rev. Jesse President & CEO	Rainbow/ PUSH Coalition	1700 K St., NW, #1120 Washington, D.C. 20006	202-333-5270	202-728-1192	

Jemison, Mae C. Dir., Sustainable Energy Program	Environmental Studies Dept. Dartmouth College	HB 6182 Hanover, NH 03755	603-646-2838	603-646-1682	
Johnson, Randy Commissioner		Government Center 300 S. 6th St. Minneapolis, MN 55487	612-348-7885	612-348-8701	
Johnson, Jim Chairman	Fannie Mae	3900 Wisconsin Ave., NW WDC 20016	202-752-6790	202-752-5980 202-752-6013	referred by HUD
Johnson, David Commissioner		180 E. Broad St., Columbus, OH 43215	614-466-3914	614-466-7366	
Jones, Charles International President	International Brotherhood of Boilermakers, Iron Ship Builders, Blacksmiths, Forgers and Helpers	Suite 570, 753 State Ave., Kansas City, Kansas 66101	913-371-2640	913-281-8101	
Jordan, Michael Chairman & CEO	Westinghouse Electric Corp.	Westinghouse Building 11 Stanwix St. Pittsburgh, PA 15222	412-642-5220	412-642-4650	per Dirk
Jorgenson, Professor Dale W.	Harvard	122 Littauer Center, Dept. of Economics, Harvard University, Cambridge, MA 02138	617-495-4661	617-495-4660	
Kadas, Dan Mayor	City of Missoula	435 Ryman Missoula, MT 59802	406-523-4601	406-523-4932	IGA
Karl, Tom Senior Scientist	National Climate Data Center, NOAA/ Commerce, Ashville, NC	151 Patten Ave., Asheville, North Carolina 28801-5001	704-271-4319	704-271-4328	Likely Panelists acc: to Dirk Forrister

Karpinski, Gene Executive Director	U.S. Public Interest Research Group	218 D St, S.E., Washington, D.C. 20003	202-546-9707	202-546-2461	
Katz, Vera Mayor	City of Portland	121 SW 5th Ave., Rm. 303 Portland, OR 97204	503-823-4120	503-823-3588	IGA
Kelly, James T. Chairman & CEO	UPS of America, Inc.	55 Glenlake Parkway, N.E., Atlanta, Georgia 30328	770-828-6000	770-828-6619	
Kelly, Bob President & CEO	Enron Renewable Energy Corp.	1400 Smith St., Suite 408, Houston, Texas 77002	713-853-7494	713-646-8870	
Kennedy, Donald Professor	Stanford University President, Emeritus Institute for International Studies Bing Prof. of Environmental Science	Encina Hall, Room 200 Stanford, California 94305-6055	415-725-2745	415-725-2592	
Kerry, John Sen.					
Kimmelman, Gene Co-Director D.C. office	Consumers Union of the United States	1666 CT Ave., N.W. Suite 310 WDC 20009	202-462-6262	202-265-9548	
Kitzhaber, John Gov.	Gov. of OR	254 State Capitol Salem, Oregon 97310	503-378-3111	503-378-8970	IGA
Krol, John (Jack)	DuPont Co.	1007 Market Street, Wilmington, Delaware 19898-1226	302-774-2998	302-773-0737	invited 8/4

Krugman, Paul	MIT	Dept. Of Economics, Bldg. E-52-383A, 77 Mass. Ave., Cambridge, MA 02139	617-253-1551	617-253-4096	Assistant: Theresa Benevento at 617-253-8883
Krupp, Fred Exec. Dir.	Environmental Defense Fund	257 Park Ave. South, New York, NY 10010	212-505-2122	212-505-2375	
Lash, Jonathan President	World Resources Institute	1709 New York Ave., N.W. #700, Washington D.C. 20006	202-638-6300	202-662-2511	
Lay, Kenneth L. Chairman & CEO	Enron Corp.	P.O. Box 1188, Houston, Texas 77251-1188	713-853-6161	713-853-3129	8/4 event
Liverman, Diana Director	Latin America Area Center, U. Of AZ	Douglass Building, Rm. 103, Univ. Of AZ, Tuscon, AZ 85721	520-626-7242	520-626-7248	Likely Panelists acc: to Dirk Forrister
Lovejoy, Thomas Counsellor to the Secretary for Biodiversity and Environmental Affairs	Smithsonian Institution	Room SI 320 1000 Jefferson Drive, S.W., Washington, D.C. 20560	202-786-2263	202-786-2304 e-mail: tlovejoy@ic.si.edu	
Lovins, Amory Director of Research	Rocky Mountain Institute	1739 Snowmass Creek Rd., Snowmass, Colorado 81654-9199	970-927-3851	970-927-4178	
Lubchenco, Jane Professor	Professor at Oregon ; past Pres. AAAS	Dept. Of Zoology, 3029 Cordley Hall, Corvallis, Oregon 97331-2914	541-737-5337	541-737-3360	For the Roundtables acc: to Dirk Forrister
Lugar, Richard Sen.					

Mahlman, Dr. Jerry Director	GFDL, NOAA/ Commerce, Princeton, NJ	Box 308 Princeton Umiversity Princeton, NJ 08542	609-452-6502	609-987-5070	For the Roundtables acc: to Dirk Forrister
Mathews, Jessica President	Carnegie Institute for International Peace	1779 Mass. Ave., N.W. Washington, D.C. 20036	202-939-2215	202-332-0925	
Matson, Pamela Professor	Stanford University	Dept. of Geological & Environment al Sciences Stanford, CA 94305-2115	650-725-6812	650-725-2199	For the Roundtables acc: to Dirk Forrister
McArthur Foundation					
McCarthy, James Professor	Harvard University, Biological Oceanography	MCZ 26 Oxford St., Cambridge, MA 02138	617-495-2330	617-495-0506	For the Roundtables acc: to Dirk Forrister
McElroy, Michael Professor	Harvard University	Hoffman Bldg. 401 20 Oxford St., Cambridge, MA 02138	617-495-2351	617-495-8839	For the Roundtables acc: to Dirk Forrister
McKibben, Bill	author: The End of Nature	129 Garnet Lake Rd. Johnsburg, New York 12843	518-251-2071	518-251-4045	
McNeill, Corbin A. Jr., Chairman & CEO	PECO Energy Company	2301 Market St., S-26-1, Philadelphia, Pennsylvania 19101	215-841-4221	215-841-4513 Asst: Joann Kunigonis 215-841-4223	referred by Nuclear Energy Institute/ Maureen Koetz
Mead, Dana Chairman & CEO	Tenneco, Inc.	1275 King St. Greenwich, CT 06831-2946	203-863-1000	203-863-1110	
Mfume, Kweisi President & CEO	NAACP	4805 Mount Hope Dr. Baltimore, MD 21215	410-486-9106	410-486-9255	

Micali, James M. CEO	Michelin North America	1 Parkway South Greenville, SC 29615	864-458-5000	864-458-6177	per Dirk
Micek, Ernest S. Chairman & CEO	Cargill, Inc.	P.O. Box 9300, Minneapolis, Minnesota 55440-9300	612-742-7575	612-742-7393	
Mitchell, George	Verner, Liipfert et al.	901 15th St. NW, Suite 700 WDC, 20005	202-371-6155	202-371-6109	
Mitsuta, Mr. Motomu Vice President	Honda North America	24500 Honda Parkway Marysville, OH 43040	937-644-0125	937-644-8050	
Montgomery, Brad Colin	Nat'l FFA Organization	5632 Mt. Vernon Memorial Highway Alexandria, VA 22309	703-360-3600 ext. 342	703-360-5524	
Moore, Berrien Director	Institute for the Study of Earth, Oceans, & Space, U. Of N.H.	Morse Hall, College Rd., Durham, New Hampshire 03824	603-862-1766	603-862-1915	For the Roundtables acc: to Dirk Forrister
Morris, Lee Councilmember	Atlanta, GA	City Hall 55 Trinity Ave., SW Atlanta, GA 30335	404-330-6030	404-658-7811	IGA
Morse, Steve	State Senator	State Capitol, Room 231, St. Paul, MN 55155	507-643-6226	507-643-6227	
Musil, Robert Executive Director	Physicians for Social Responsibility	1101 14th St., N.W. #700, Washington, D.C. 2005	202-898-0150	202-898-0172	

Nadel, Nancy Councilmember	Oakland, CA	1 City Hall Plaza Oakland, CA 94612	510-238-7003	510-238-6129	IGA
Nelson, Bill	Dept. of Insurance, State Treasurer's Office	State of Florida State Capitol Plaza Level II Tallahassee, FL 32399	904-922-3100	904-488-6581	
Nelson, E. Benjamin Gov.	Gov. of NE	PO Box 94848 State Capitol Lincoln, NE 68509	402-471-2244	402-471-6031	IGA
Nickerson, Michael L. President	Center for Sustainable Living	Rt. 1, Box 107, Shenanodoah Junction, WV25442	304-876-0740		email: sla0006@mail.wvnet.edu
Nitze, Paul Former Sec. Defense					
Nordhaus, William Professor	Yale University	Dept. Of Economics, 28 Hillhouse Ave., New Haven, Connecticut 06511	203-432-3587	203-432-5779	
Norquist, John O. Mayor	City of Milwaukee	City Hall 200 East Wells St. Rm. 201 Milwaukee, WI 53202	414-286-2200	414-286-3191	IGA
Nulter, Franklin W. President	Reinsurrance Association of America	1301 Pennsylvania Ave., NW, Suite 900, Washington, D.C. 20004	202-638-3690	202-638-0936	
Nye, Bill The Science Guy		401 Mercer St. Seattle, WA 98109	206-624-1915	206-624-8010	
O'Donovan Father	Georgetown University				

O'Leary, Hazel R.	O'Leary & Associates, Inc.	2 Wisconsin Circle Chevy Chase, MD 20815	301-961-4049	301-654-1089	
O'Neill, Paul Director, Chairman & CEO	Alcoa	426 6th Ave., 2570 Alcoa Bldg.., Pittsburgh, Pennsylvania 15219	412-553-4467	412-553-3129	8/4 event
O'Sullivan, Brian CEO	Cannon Wind Energy Co.	301 2232 Marile Drive, West Vancouver, Canada V7V 1K4	604-921-1241	604-921-1242	
Parker, Buck Interim President	Earth Justice Legal Defense Fund	180 Montgomery St., #1400, San Francisco, California 94104	415-627-6700	415-627-6740	
Percy, Steve Chairman & CEO	BP America	200 Public Square Cleveland, Ohio 44110	216-586-5290	216-586-8423 Asst: Rose Smith:	
Peterson, Craig A.	State Senator	319 State Capitol Salt Lake City, Utah 84114	801-538-1401	801-538-1414	
Pew					
Pilko, George President	Pilko & Assoc., Inc.	16945 Northchase Dr., Suite 2000-, Houston, TX 77060	281-875-3700	281-875-3900	
Platt, Lewis E. Chairman, President & CEO	Hewlett-Packard Company	3000 Hanover Street Palo Alto, Ca 94304	415-857-1501	415-857-5518	

Pope, Carl Executive Director	Sierra Club	85 Second St., 2nd Flr., San Francisco, California 94105-3441	415-977-5500	415-977-5798	
President	Hudson Institute				
President	Ford Foundation				
President	Rockefeller Brothers Foundation				
Price, Hugh President & CEO	National Urban League	120 Wall St., NY, NY 10005	212-558-5336	212-759-0456 212-344-5188	
Quanstrom Walter VP, Envir., Health and Safety	Amoco Corp.	200 E. Randolph Dr. Chicago, Ill 60601	312-856-6111	312-616-0197	
Racicot, Marc Gov.	Gov. of MT	State Capitol-Rm. 204 Helena, MT 59620	406-444-3111	406-444-4151	IGA
Raven, Dr. Peter H. Direc tor	Missouri Botanical Garden	Post Office Box 299 St. Louis, MO63166-0299	314-577-5111	314-577-9595	
Reilly, Bill			202-861-8391?		
Reiner, Rob					
Rendell, Edward Mayor	Mayor of Philadelphia	215 City Hall, Philadelphia, PA 19107	215-686-2181	215-686-2180	IGA
Rice, Norm Mayor	City of Seattle	Municipal Bldg. 12th Floor 600 Fourth Ave., Seattle, WA 98104-1873	206-684-4000	206-684-5360	IGA
Riley, Jr., Joseph Mayor	City of Charleston	PO Box 652 Charleston, SC 29402	803-577-6970	803-720-3827	IGA

Ris, Howard (Bud) Executive Director	Union of Concerned Scientists	2 Brattle Square, Cambridge, MA 02238-9105	617-547-5552	617-864-9405	
Risser, Paul G. President	Oregon State U., DOI, Former Pres. Of Ecological Society of America; Former prof. Of botany at Miami U.	646 Kerr Adm. Bldg. Corvallis, Oregon 97331-2128	541-737-2565	541-737-3033	For the Roundtables acc: to Dirk Forrister
Roberts, Cecil President	United Mine Workers of America	900 15th St., N.W., Washington, D.C. 20005	202-842-7200	202-842-7307	
Romer, Roy Gov.	Gov. of CO	136 State Capitol Building Denver, CO 80203	303-866-2471	303-866-6548	IGA
Rosenbusch, Corey Shane President	Nat'l FFA Organization	5632 Mt. Vernon Memorial Highway Alexandria, VA 22309	703-360-3600 ext.341	703-360-5524	
Ruckelshaus, William D.	Browning-Ferris Industries, Inc.	1000 2nd Ave., Suite 3700 Seattle, WA 98104	206-674-3009		
Rupp, George President	Columbia				
Rusk, David The Honorable		4100 Cathedral Ave., NW Apt. 610 WDC 20016	202-364-2455	202-364-6936	
Rust, Edward President	State Farm Insurance Companies	One State Farm Plaza E-12, Bloomington Illinois 61710-0001	309-766-2311	309-766-1783	

Ruvin, Harvey Clerk of the Court		Dade County Courthouse 73 W. Flagler St., Rm. 242, Miami, FL 33128	305-375-3333	305-375-2485	
Sachs, Jeffrey Director	Harvard Institue of International Development	1 Eliot St., Cambridge MA, 02138	617-495-4112	617-495-8685	
Sandor, Richard Chairman & CEO	Centre Financial Products	311 S. Wacker Dr. Chicago, Ill 60606	312-554-3350	312-554-3373	
Sant, Roger Co-Founder & Chairman	AES Corp.	1001 N. 19th St., Arlington, Virginia 22209	703-522-1315	703-276-6758	
Sapperstein, Rabbi David Exec. Director	Religious Action Center	2027 Mass. Ave., NW, Washington, D.C. 20036	202-387-2800	202-667-9070	
Satcher, Dr. David M.D., Ph.D., Director Administrator	Centers for Disease Control & Prevention; Agency for Toxic Substances and Disease Registry				
Savage, Susan Mayor	Tulsa, OK	200 Civic Center,11th Floor Tulsa, Oklahoma 74103	918-596-7411	918-596-9010	IGA
Sawhill, John President & CEO	The Nature Conservancy	1815 North Lynn Street, Arlington, Virginia 22209	703-841-5300	703-841-1283	
Schlickeisen, Roger President	Defenders of Wildlife	1101 14th St., NW, Washington, D.C. 20005	202-682-9400	202-682-1331	

Schmoke, Kurt Mayor	City of Baltimore	City Hall 100 N. Holliday St. Rm. 250 Baltimore, MD 21202	410-396-4891	410-576-9425	IGA
Schultz, Howard CEO & President	Starbucks Coffee Co.	P.O. Box 34110, Seattle, Washington 98124-1110	206-442-7720	206-682-0742	
Sevier, Helen Chair & CEO	Bass Anglers Sportsman Society (B.A.S.S.)	5845 Carmichael Rd., Montgomery, Alabama 36117	334-272-9530	334-279-7148	
Sewell, John President	Overseas Development Council	1875 Connecticut Ave, NW, Suite 1012 Washington, D.C. 20009	202-234-8701	202-745-0067	
Sewell, John W. President	Overseas Development Council (ODC)	1875 CT Ave., NW Suite 1012 WDC 20009	202-234-8701	202-745-0067	email: sewell@gateway.odc.org
Shaheen, Jeanne Gov.	Gov. of NH	State House Concord, NH 03301	603-271-2121	603-271-6998	IGA
Shapiro, Robert Chairman, President & CEO	Monsanto Co.	800 N. Lindbergh Blvd., St. Louis, MO 63167	314-694-1000	314-694-3011	invited 8/4
Shelton, Mr. Hilary Deputy Director	NAACP, Washington Bureau	1025 Vermont Ave., N.W. Suite #1120, Washington, D.C. 20005	202-638-2269	202-638-5936	
Sher, Byron State Senator		260 Main St., Suite 201 Redwood City, CA 94063	916-445-6747	916-323-4529	

Shields, Frank State Rep.		H-389, State Capitol Salem, Oregon 97310	503-986-1416	503-235-8727	
Shipley, Walter Chairman & CEO	Chase Manhattan Bank	270 Park Avenue New York, New York 10017	212-270-6000	212-270-1882	
Smith, Jr., John F., Chairman, President & CEO	General Motors Corp.	3044 W. Grand Blvd., Detroit, Michigan 48202	313-556-5000	313-556-1988	
Smith, Mary Ann Alderman	Chicago, IL	City Hall 121 N. La Salle St. Chicago, IL 60602	312-784-5277	312-784-5033 312-744-0804	IGA
Snow, John Chairman, President & CEO	CSX Corp.	One James Center 901 East Cary Street Richmond, VA 23285-5629	804-782-1434	804-782-6734	
Snow, John Chairman, President & CEO	CSX Corporation	One James Center 901 E. Cary St. Richmond, VA 23285-5629	804-782-1434	804-782-6734	
Solomon, Richard	U.S. Institute of Peace				
Solow, Robert Professor	MIT	E52-383, Dept. Of Economics, Cambridge, MA 02139	617-253-5268	617-253-0560	
Starling, Raymond Albert	Nat'l FFA Organization	5632 Mt. Vernon Memorial Highway Alexandria, VA 22309	703-360-3600 ext. 343	703-360-5524	

Stavropoulos, William President & CEO	The Dow Chemical Co.	2030 Dow Center, Midland, Michigan 48674	517-636-1000	517-636-3228	
Stempel, Bob Chairman	Energy Conversion Devices	1200 18th St., N.W., 9th Floor, Washington, D.C. 20036	202-785-0507	202-785-0514	
Sutcliff, Mr. S.Lynn President & CEO	Sycom	109 L Corporate Blvd., S. Plainfield, New Jersey 07080	908-412-7810	908-755-7215	
Sweeney, John President	AFL-CIO	815 16th St., N.W., Washington, D.C. 20006	202-637-5000	202-637-5058	
Swygert, Dr. H. Patrick President	Howard University	2400 6th St., NW WDC 20059	202-806-6100	202-806-5934	
Talbott, Bud Chairman	Sawyer Research Products, Inc.	1422 Euclid Ave. Hanna Building Suite 1044, Cleveland, Ohio 44115	216-696-8211	216-696-8212	
Theodosius, Most Blessed Reverend Metropolitan	Orthodox Church of America	P.O. Box 675, Syosset, New York 11791	516-922-0550	516-922-0954	
Thomas, Robert President & CEO	Nissan Motor Corp. USA	Post Office Box 191, Gardena, California 90248-0191	310-771-5301	310-771-3343	
Thomas, Janice Executive Director	Women's Resource Center	P.O. Box 101024 Nashville, Tenn 37224	615-248-3474	615-256-2706	
Tooker, Gary Vice Chairman	Motorola, Inc.	1303 E. Algonquin Road, Schaumburg, Illinois 60196	847-576-5000	847-576-3258	

Trenberth, Kevin Senior Scientist, Head of Climate An alysis Section	National Center for Atmospheric Research,	P.O. Box 3000, Boulder, Colorado 80307-3000	303-497-1318	303-497-1333 Asst: Liz Rothney 303-497-1351	For the Roundtables acc: to Dirk Forrister
Trotman, Alexander J. Chairman, President & CEO	Ford Motor Co.	The American Road, Dearborn, Michigan 48121	313-322-3000	313-322-9600	
Trumka, Richard Secretary-Treasurer	AFL-CIO	815 16th St., N.W., Washington, D.C. 20006	202-637-5000	202-637-5058	
Tucker, Connie Executive Director	Southern Organizing Committee for Economic & Social Justice	P.O. Box #10518 Atlanta, GA 30310	404-755-2855	404-755-0575	
Turner, Ted	Time Warner	1 CNN Center, Atlanta, Georgia 30303	404-827-1351	404-827-5655	
Tyson, Laura Professor	Haas School of Business Berkeley	Room S-545 Berkley, CA 94720-1900	510-643-3197	510-643-1665	Assistant: Mary Beth Schubert at 510-643-3197, left message
Van Putten, Mark President & CEO	National Wildlife Federation	8925 Leesburg Pike, Vienna, Virginia 22184	703-790-4455	703-790-4330	
Voinovich, George Gov.	Gov. of OH	77 S. High St. 30th Floor Columbus, OH 43215	614-644-0802	614-752-5820	IGA
W. Alton Jones					
Wages, Robert President	Oil, Chemical & Atomic Workers	P.O. Box 281200 Lakewood, Colorado 80228-8200	303-987-2229	303-987-1967	

Wagner, Harold President & CEO	Air Products & Chemicals, Inc.	7201 Hamilton Boulevard, Allentown, Pennsylvania 18195-1501	610-481-8000	610-481-3157	
Watson, Robert Director of Environment Dept.	Sr. Advisor, World Bank, Chair--IPCC Third Assessment;	Rm. MC5-119 1818 H St., N.W., Washington, D.C. 20433	202-473-1755	202-473-0565	Likely Panelists acc: to Dirk Forrister
Webb, Wellington Mayor	City of Denver	1437 Bamock St. Rm. 350 Denver, CO 80202	303-640-2721	303-640-3629	IGA
Weiner, Scott President	Ballard Power Generating Systems	116 Village Blvd. #200 Princeton, NJ 08540-5797	609-951-2241	609-734-4379	
Welch, John F. Jr., Chairman & CEO	General Electric Co.	3135 Easton Turnpike, Fairfield, Connecticut 06431	203-373-2211	203-373-3131	
Whitman, Christine Todd Gov.	Gov. of NJ	CN 001, 125 W. State St. Trenton, NJ 08625	609-777-2226	609-777-2922	IGA
Whitwam, David R. Chairman & CEO	Whirlpool Corp.	Mail Drop #2600, Benton Harbor, Michigan 49022	616-923-3150	616-923-3978	
Wilhem, Paul President	U.S. Steel Group USX Corp.	600 Grant Street Pittsburgh, Penn 15219-4776	412-433-2809	412-433-6847	
Wilhite, Don Director	International Drought Information Center, U. Of Nebraska	Rm. 241 LW Chase Hall Univ. Of Nebraska-Lincoln, P.O. Box 830728 Lincoln, Nebraska 68583-0728	402-472-4270	402-472-6614	Likely Panelists acc: to Dirk Forrister

Wolfensohn, James President	World Bank	1818 Harvard St, N.W., Washington, D.C. 20433	202-458-5120	202-522-0355	per Todd
Woodwell, Dr. George Founder & Director	Woods Hole Research Center	P.O. Box 296, Woods Hole, MA 02543	508-540-9900	508-540-9700	
Yhouse, Paul President & CEO	Holnam Inc.	6211 Ann Arbor Rd., Dundee, Michigan 48131	313-529-2411	313-529-5512	
Yokich, Steve President	United Auto Workers	8000 E. Jefferson Ave., Detroit, Michigan 48214	313-926-5201	313-823-6016	

ADDITION LIST TO CLIMATE CHANGE CONFERENCE					
NAME/TITLE	**COMPANY**	**ADDRESS**	**PHONE**	**FAX**	**COMMENTS**
Ames, Jr., Eugene L.Chairman & CEO	Venus Exploration, Inc.	One Riverwalk Place 700 N. St. Mary's St. San Antonio, TX 78205-3512	210-222-9481	210-225-5687	Per Tod
Baird, D. Euan Chairman, President & CEO	Schlumberger Ltd.	277 Park Avenue 44th Floor, NY, NY 10172	212-350-940	212-350-9457	
Baylis, Lloyd, Manager, Corporate Marketing & Communications	Catalytica	430 Ferguson Dr., Mountain View, CA 94043-5272	415-960-3000	415-960-0127	
Blix, Hans Dr.	Director General of the International Atomic Energy Agency	IAEA, PO Box 100 Wagramerstrasse 4, A-1400, Vienna, Austria	43-1-2060-0	43-1-20607	
Brunetti, Wayne President	New Century Energy	1224 17th Street Plaza Suite 900 Denver, CO 80202	303-571-7511	303-294-8815	Per Dirk
Campbell, Robert H. Chairman & CEO	Sun Company, Inc.	Ten Penn Center 1801 Market St., Philadelphia, PA 1910-1699	215-977-3871	215-977-3559	Per Dirk
Campbell, Bob CEO	Sun Oil Company	1801 Market Street 10 Penn Center Philadelphia, PA 19103	215-977-3869	215-977-3559	
Carton, Jean Mrs. Robert Wells	Garden Club of America	674 Hill Road Winnetka , IL 60093	847-446-2347	847-446-3465	re: by Loretta Neumann CEHP Inc.,via Beth Viola
Catell, Bob Chairman	Brooklyn Union/LILCO		718-403-3313		No
Chandler, Bill, Director of International Programs	Batelle Pacilfic Northwest Labs		202-646-5242	202-646-5233	

Cherry, Bernard H. President	Oxbow Power	1601 Forum Place W. Palm Beach, FL 33401	561-697-4300	561-640-8847	Per Dirk
Choquette, Pierre, Pres. & CEO	Methanex Corp.	1800 Waterfront Centre 200 Burrard St. Vancouver, B.C. Canada V6C 3M1			No
Colvin, Joe F. President & CEO	Nuclear Energy Institute	Suite 400 1776 I St., N WDC 20006-3708	202-739-8075	202-785-1498	asst: Barbara Noel 202-739-8142
Comer, Clarence C. President & CEO	Southdown, Inc.	1200 Smith Street, Suite 2400 Houston, TX 77002	713-650-6200	713-653-8010	per Dirk
Crow, Michael Vice Provost	Columbia University		212-854-2761	212-932-0418	
Daigle, Doug Programs Director	Coalition to Restore Coastal Lousiana	200 Lafayette St., Suite 500 Baton Rouge, LA 70801	504-344-6555	504-344-0590	Peter O'Keefe's Suggested
Deieso, Donald A. President & CEO	EA Engineering, Science & Technology	11019 McCormick Rd. Hunt Valley, MD 21031	410-584-7000	410-771-1812	Per Dirk
diCicco, Pete, President	Industrial Union Dept.	815 16th St., NW, Rm. 301 WDC 20006	842-7800	842-7838	
Diener, Betty Executive Director	Environmental Business Council of NE				
Earle, Sylvia Dr. President	Deep Ocean Exploration & Research, Inc.		510-530-9388		
Edmonds, Jae, Sr. Economist	Batelle Pacilfic Northwest Labs		202-646-5243	202-646-5233	
Epstein, Paul Dr. M.D., M.P.H.	Center for Health & the Global Environment Harvard Medical School	Oliver Wendell Holmes Society 260 Longwood Ave., Boston, MA 02115	617-432-0493	617-432-2595	per Dirk
Esty, Dan	Yale University		203-432-6256	203-432-3817	
Faye, Kevin			703-841-0626	703-243-2874	

Firor, John W. Ph.D., Former Director	National Center for Atmospheric Research		303-497-8104		
Fisher, Robert J. Chief Operating Officer	Gap, Inc.		415-427-2620		
Freeman, David S. General Manager	Los Angeles Department of Water and Power	111 N. Hope St., Room 1550, Los Angeles, CA 90012-2694	213-367-1338	213-367-1438	per Dirk
Friedman, Robert Dr. VP for Research	The H. John Heinz III Center for Science, Economics & the Environment	1001 Pennsylvania Ave., NW Suite 735 South WDC 20004	202-737-6307	202-737-6410	
Gangloff, Deborah, Executive V.P.	American Forests	910 17th St., N.W. WDC 20006	202-955-4500	202-955-4588	
Gieszl, Yale Executive V.P.,	Toyota Motor Sales USA, Inc.	19001 S. Western Ave., Torrance, CA 90509	310-618-4785	310-618-7839	per Dirk
Gordon, Harry	Burt Hill Kosar Rittleman Associates		333-2711	333-3159	
Grady, Robert E. Managing Director	Robertson, Stephens & Co., San Francisco	Lecturer in Pub. Mngmt. Stanford Graduate School of Business	415-781-9700		
Greenbaum, Daniel S. President	Health Effects Institute	955 Mass Ave., Cambridge, MA 02139	617-876-6700	617-876-6709	
Greenberger, Phyllis, Exec. Dir.	Society for the Advancement of Women's Health		202-223-8224	202-833-3472	
Greenberger, Marcia	National Women's Law Center		202-588-5180	202-588-5185	
Hanley, Frank	International Union of Operating Engineers	1125 17th St., NW WDC 20036	429-9100	778-2619	

Henneke, Jr., Ben President	Clean Air Action Corp.	6505 Clagett Ave. Suite 2 Fair Haven, MD 20754	410-286-2995	410-286-3463	Per Dirk
Henry, Charles L. Chairman	Johns-Manville	1200 18th St., NW 9th Floor, WDC 20036	202-785-0507	202-785-0514	
Henry III, C. Wolcott, President	The Curtis & Edith Munson Foundation		202-298-7879	202-625-6204	
Horn, Alan Vice Chair; Chairman & Co-Founder	Castle Rock Entertainment		310-285-2300		
Jachowski, Kathleen	Federated Women In Timber	2225 Dillon Rd., Columbia Falls, MT 59912	307-587-3723	307-587-3723	
Jemison, Mae			603-646-1282 603-646-3487	603-646-1682	
Johnson, Samuel	SC Johnson Corp.		414-260-2632	414-260-3414	
Joyce, Burton M. President & CEO	Terra Industries, Inc.	PO Box 6000 Sioux City, Iowa 51102-6000	712-277-5433	712-277-5429	per Joe O'Neill
Kamp, John Global Warming Campaign Director	Sierra Student Coalition	Wesleyan Station, Wesleyan University 222 Church St. Middletown, CT 06459-0001	860-685-6087	860-685-3901	
Kean, Thomas H. President	Drew University	Madison, NJ	201-408-3075	201-408-3080	
Kendall Henry Dr.	MIT	Bldg. 24, Rm. 514, 77 Mass. Ave. Cambridge, MA 02139-4307	617-253-7584	617-253-1755	Re: OSTP
Kleckner, Dean President	Am. Farm Bureau Federation	225 Touhy Ave., Park Ridge, IL 60068	847-685-8730	847-685-8896	USDA
Kotchian, Sarah M.Ed., MPH, Director	Albuquerque Environmental Health Dept.	One Civic Plaza, NW PO Box 1293 Albuquerque, NM 87103	505-768-2615	505-768-2617	

Kretesch, Joe Pest Management Coordinator	Sun-Maid Growers		209-897-6356		
Kuehn, Ron Chairman, President & CEO Richard Bates	Sonat Inc.	PO Box 2563 Birmingham, AL 35202-3563	205-325-7101 Sue Bolden-Ass't	205-325-7444	
Larsen, Marshall O. President & CEO	BF Goodrich Aerospace		330-374-4340	330-374-3298	
Lazarus, Shelly Chairman & CEO	Ogilvy & Mather Worldwide	NY, NY	212-237-6629	212-237-4533	No
LeMaster, Lynn	Edison Electric		202-508-5500	202-508-5000	
Levin, Peter Assoc. Dean of Research and Graduate Programs for the College of Engineering	Boston University	44 Cummington Street, Boston, MA 02215	617-353-2800	617-353-5929	
Linden, Eugene	Freelance Author		207-276-3631	207-276-5138	
Lord, John President	Carrier Corporation	1 Carrier Place, Farmington, CT 06034	860-674-3003	860-674-3010	re: Steve Seidel/ Dirk
Loy, Frank E. Vice Chairman; Chair	League of Conservation Voters		202-785-8683		
MacCracken Michael, Director	US Global Change Research Program		202-314-2233		
Mackey, John CEO	Whole Foods		512-477-4455		
Malin, Clemont B. VP Int'l Relations	Corporate Communications a Division of Texaco, Inc.	2000 Westchester Ave., White Plains, NY 10660	914-253-4724	914-253-7895	
Marcus, Bernard President	Home Depot	Atlanta, GA			
McDonald, Gail	Global Climate Coalition		202-682-9161	202-638-1043	

McDonough, William	Prof. Of Architecture UVA		804-979-1111	804-979-1112	
McEntee, Gerald, President	AFSCME	1625 L St., WDC 20036	429-1000	429-1293	
McIntire, Lee President	Bechtel	P.O. Box 193965 San Francisco, CA 94119-3965	415-768-6110	415-768-3521	Per Dirk
McKelvey, John Dr. President & CEO	Midwest Research Institute	425 Volker Blvd., Kansas City, MO 64110-2299	816-753-7600	816-753-8420	per Dirk
McVay, Scott Executive Director	Geraldine R. Dodge Foundation		201-540-8442	201-540-1211	
McWhinney, Robert President	Webster Management Consultants		617-589-2800		
Mintzer, Irving	Center for Global Change		301-587-8714	301-587-8716	
Mintzer, Irving, Director	Mintzer Energy Group	9514 Garwood St., Silver Spring, MD 20901	301-587-8714		No
Molina Mario J. Dr.	MIT	Dept. EAPS54-181477 Mass. Ave. Cambridge, MA 02139	617-253-5081 617-253-5731 617-253-3929	617-258-6525	Re: OSTP
Montgomery, Jr., George G. Chairman, Advisory Director	Hambrecht & Quist, LLC	San Francisco	415-439-3262		
Nadel, Ruth	Clearinghouse on Women's Issues		202-362-3789	202-362-3789	
Nelson, Douglas, Executive Director	Annie E. Cassey Foundation	701 St. Paul St. Baltimore, MD 21202	410-547-6600		
Orwig, Dennis A., President	Catalytica Combustion Systems	430 Ferguson Dr., Mountian View, CA 94043	415-960-3000	415-960-0127	
O'Keefe, Bill, Exec. VP	Am. Petroleum Institute		202-682-8000	202-682-8198	

Parker, Buck Interim President	Earth Justice Legal Defense Fund	180 Montgomery St., #1400, San Francisco, CA 94104	415-627-6700	415-627-6740	B list
Patz, Jonathan MD, MPH, Director	Program on Health Effects of Global Environmental Change, Johns Hopkins School of Hygiene and Public Health	615 N. Wolfe Street, Room 7041, Baltimore, MD 21205-2179	410-955-4195	410-955-1811	per Rosina
Peterson, Ralph R. President & CEO	CH2M Hill	P.O. Box 22508 Denver, CO 80222-0508	303-771-0952 X2522	303-220-5106	Per Dirk
Pilko, George, President	Pilko & Assoc., Inc.	16945 Northchase Dr., Suite 2000, Houston, TX 77060	281-875-3700	281-875-3900	
Pollack, Lana	Fellow at Harvard Kennedy School-Michigan Environ. Council		617-495-1360	617-496-4344	
Prickett, Glenn	Sr. Director for Corporate Partners, Conservation International	2501 M St., NW #200 WDC 20037	202-331-3422		No
Pyle, Barbara VP of Environmental Policy for Turner Broadcasting	CNN Env. Editor Turner Environment Division	1 CNN Center 6 North Atlanta, GA 30303	404-827-1918	404-827-1883	USAID Suggested Invite
Redwood, Rene	Americans for a Fair Chance		202-822-9221	202-822-9267	
Ridgley, Dianne Dillon Executive Director	Zero Popultaion Growth	P.O. Box 2982, Iowa City, Iowa 52244	319-338-1986	319-338-2090	
Ringo, Jerome C. Director-At-Large-NWF President, PRI	National Wildlife Federation, Progressive Resources, Inc.	PO Box 178 Lake Charles, LA 70602	318-438-5980	318-477-1721	sub for Mark Van Putten

Rising, Nelson C. CEO	Catellus Development Corporation	201 Mission St., San Francisco, CA 94105	415-974-3714	415-974-3770	
Rose, George Director Public Relations	Fetzer Vineyards		707-744-7448		no-fax rec'd
Rosenwald, Jr., E. John Vice Chairman	The Bear Stearns Companies, Inc.		212-272-4084		
Rowland Sherwood "Sherry" Dr. F.	Depts. Of Chemistry & Earth System Science -Univ. Of Cali. @ Irvine	516 Physical Sciences I Irvine, CA 92697-2025	714-824-6016	714-824-2905	Re: OSTP
Roy, Ellen, Sr., VP	Intercontinental Energy Corporation	350 Lincoln Place Hingham, MA 02043	617-749-9800	617-740-2159	
Savitz, Maxine	Allied Signal Corp.		310-512-5678	310-512-5901	
Schlickeisen, Roger President	Defenders of Wildlife	1101 14th St., NW WDC 20005	202-682-9400	202-682-1331	B List
Schneider Stephen Dr.	Stanford University	Dept. Of Biological Sviences Gilbert Bldg. Stanford, CA 94305-5020	650-725-9978 650-725-6508 650-725-1598	650-725-4387	Re: OSTP
Schwartz, Jr., Esq., Frederick A.O. Chair	Cravath, Swaine & Moore		212-474-1444	212-765-0656	
Scott A., Weiner, President	Ballard Generations Systems Corp.	116 Village Blvd., Suite 200 Princeton, NJ 08540-5797	609-951-2241	609-734-4379	
Seacrest, Susan President	Nebraska Groundwater Foundation	PO Box 22558 Lincoln, Nebraska 68542	402-434-2740	402-434-2742	per State Dept. Susan Gordon
Seidman, Ricki	Kennedy School Fellow-Harvard University				
Shaffer, Gail	Business and Professional Women/USA		202-293-1100 ext. 111	202-861-0298	
Shipley, Walter Chairman & CEO	Chase Manhattan Bank			212-270-4545	

Shope Robert Dr.	Univ. Of Texas Medical Branch	Dept. Of Pathology Galveston, TX 77555-0609	409-747-2430 409-772-6546	409-747-2429	Re: OSTP
Shorenstein, Janice Weinman, Exec. Dir.	Am. Association of University Women		202-785-7788	202-466-7637	
Simon, Peter R. MD	Rhode Island Dept. Of Health	Rm. 302, Cannon Bldg. 3 Capitol Hill Providence, RI 02908	401-277-2312	401-277-1442	
Solt, Charles, Director of Regulator Affairs	Catalytica Combustion Systems	430 Ferguson Dr., Mountian View, CA 94043	415-960-3000	415-960-0127	
Sperling, Daniel	Univ. Of California, Davis		916-752-7434		
Stark, Brian President	Johnson Controls		414-274-4131	414-274-5088	
Stern, Andy, President	Service Employees International Union	1313 L St., NW WDC 20005	898-3300	898-3402	
Swenson, Lee President	National Farmers Union	400 Virginia Ave., SW, Suite 710 WDC 20024	202-554-1600	202-554-1654	USDA
Symons, Joanne	National Association for Female Executives		202-289-8538	202-289-3743	
Trexler,Mark C. Dr. President	Trexler & Associates, Inc.	1131 S.E. River Forest Rd., Portland, OR 97267	503-786-0559	503-786-9859	from Tod
Ucelli, Marla, Asst. Director	Rockefeller Foundation	420 Fifth Ave., NY, NY 10018			
Uranga, Helen Office Manager	The Hawthorne Group	1300 N. 17th St. Suite 1330, Arlington, VA 22209	703-243-1333	703-312-5333	Christiana Figueres no longer works there, Helen took position
Walsh, Michael	Independent Consultant		703-241-1297	703-241-1418	

Warrington Barbara Murphy, Program Officer for the Governance & Public Policy Program	Ford Foundation	320 E 42nd St., NY, NY 10017	212-573-5000		
Wayburn, Laurie President	The Pacific Forest Trust	P.O. Box 879 Boonville, CA 95415	707-895-2090	707-895-2138	Per Dirk
Wightman, Don, Pres.	Utility Workers Union of America	815 16th St, NW WDC 20006	347-8105	347-4872	
Willingham, Clark, President Elect	National Cattlemen's Beef Association	1301 Penn sylvania Ave., NW Ste. 30 WDC 20004	202-347-0228		
Willrich, Mason	Energy Works		650-321-8493	510-547-3426	
Wood, Bill Chairman	Pacific Enterprises/So. Cali. Gas		213-244-2500		No-send Substitute?
Wytkind, Ed, Exec. Dir.	Transportation Trades Dept.	400 N. Capitol St., NW WDC 20001	628-9262	628-0391	
Yaeger, Kurt	Electric Power Research Institute		415-855-2456	415-855-2800	
Yearley, Douglas C. Chairman Chairman, Pres. & CEO Phelps Dodge Corp.	National Mining Assoc & Phelps Dodge Corporation		602-234-8146	602-234-8151	no-travelling-send someone else?
Yergin, Daniel			617-497-6446	617-576-6848	
Young, Boyd, President	United Paperworkers International Union	PO Box 1475 Nashville, TN 37202	615-834-8590	615-834-7741	
Youngberg, Garth Executive Director	Henry A. Wallace Institute for Alternative Agriculture	9100 Edmonston Rd., Suite 117 Greenbelt, MD 20770	301-441-8777	301-220-0164	USDA

White House Conference on Global Climate Change Guest List as of 10/05/97	
NAME	**COMPANY**
Adams, John Hamilton	National Resources Defense Council (NRDC)
Adcock, J. Patrick	EIC
Adesanya, Babafemi A.	Environmental Justice Technology Center, Hampton University
Anderson, Ray Christie	Interface, Inc.
Andlinger, Merrick G.	Pure Energy Corporation
Barron, Eric J. Professor	Penn State University
Bates, Richard Brent	Sonat Energy Services
Bayless, Charles E.	Tucson Electric Power Company
Baylis, Lloyd Nathaniel	Catalytica, Inc.
Becker, George F.	United Steel Workers of America
Beder, Michael	US Fuel and Security Inc.
Bell, Hays R.	Eastman Kodak Company
Bentley, Holly Lynn	National FFA Organization
Bergsten, Fred C.	Institute for International Economics
Blinder, Alan S. Dr.	Princeton University
Bonsignore, Michael R. *Panelist*	Honeywell Inc.
Boyce, Gregory H.	Kennecott Energy Company
Braun, Gerald	Solarex
Brody, Steve	Pioneer Hi-Bred International
Bryant, Robert William	Golden Spread Electric Cooperative, Inc.

Buckman, Frederick W.	PacifiCorp
Burton, Bradley	AFL-CIO
Butler, Jolynn, Barry	Public Utilities Commission of Ohio
Callahan, Debra Jean	League of Conservation Voters
Campbell, Robert H.	Sun Company, Inc.
Carton, Jean	Garden Club of America
Cassidy, John Dr., Jr.	United Technologies Research Center
Casten, Thomas R. ***Panelist***	Trigen Energy Corporation
Chandler, William Upton	Battelle, Pacific Northwest National Laboratory
Cherry "Bud" Bernard H.	Oxbow Power Corporation
Childress, Mark Bradley	Environmental Working Group
Christiansen, Rev. Drew S.J.	US Catholic Conference
Chuda, Gould, Nancy	Children's Health Environmental Coalition
Chuda, James	Children's Health Environmental Coalition
Codey, Lawrence R.	Public Service Electric & Gas Company
Coffman, Vance D.	Lockheed Martin Corporation
Colvin, Joe F.	Nuclear Energy Institute
Comer, Clarence C.	Southdown, Inc.
Conlon, P., Gregory	California Public Utilities Commission
Cooney, Wilson Charles "Bill"	USAA
Coors, John	Golden Genesis Company
Correll, Alston Dayton (Pete)	Georgia-Pacific Corporation

Crow, Michael M. Dr.	Columbia University
Daigle, John Douglas	Coalition to Restore Coastal Louisiana
Davis, William E.	Niagara Mohawk Power Corporation
Deavenport, Earnest W., Jr.	Eastman Chemical Company
Deland, Michael R.	American Flywheel Systems, Inc.
Dillon, Thomas Dr.	Science Applications International Corporation
Donohue, Jeannette	Cone Communications
Dorsey, Herman Sherwood Jr.	American Association of Blacks in Energy
Draper, E. Linn Jr. *Panelist*	American Electric Power
Dushaw, James L.	International Brotherhood of Electrical Workers
Eachus, Ron	Oregon Public Utility Commission
Earl, Anthony S.	CCAP
Edelin, Ramona H.	National Urban Coalition
Ehrlich, Everett	ESC Company
Engelhardt, Irl F.	Peabody Holding Company, Inc.
Epstein, Paul R. MD, MPH	Center for Health and the Global Environment, Harvard Medical School
Esty, Daniel C. Dr.	Yale Center for Environmental Law & Policy
Fani, Robert J.	Brooklyn Union
Fay, Kevin	International Climate Change Partnership
Fehringer, Rachel Naomi	National FFA Organization
Florio, James J.	Florio & Perrucci, P.C. Institute for Energy & Environmental Policy
Freeman, S. David	LA Department of Water & Power
Freer, David W.	Pacific Enterprises

Fri, Robert	National Museum of Natural History
Friedman, Robert	The Heinz Center
Frishberg, Ivan	PIRG's Higher Education Project
Fuller, Kathryn	World Wildlife Fund
Galanter, Ruth	Councilmember City of Los Angeles
Gangloff, Deborah	American Forests
Garcia, Gustavo L.	Mayor Pro Tem Austin, Texas
Gatto, Stephen	BC International, Inc. (regional)
Gelbspan, Ross	Author
Gieszl, Yale	Toyota Motor Sales, USA, Inc.
Good, Mary ***Panelist***	Venture Capital Investors
Gordon, Harry FAIA	Burt Hill Kosar Rittelmann Associates
Greenbaum, Dan	Health Effects Institute
Hansen, Paul W.	Izaak Walton League of America
Hanson, Jaydee	United Methodist Church/ National Religious Partnership for Environment
Harlan, Robert C.	Owens Corning
Hartke, Jan Alan	Earth Kind International
Hausker, Karl	Center for Strategic International
Helme, Edward A. (Ned)	Center for Clean Air Policy
Hemminghaus, Roger R.	Ultramar Diamond Shamrock Corporation
Henneke, Ben G.	Clean Air Action Corporation
Henry, Wolcott C. III	The Curtis & Edith Munson Foundation
Hirshberg, Gary	Stonyfield Farm, Inc.
Holdren, Cheryl E. Dr. ***Panelist***	Energy & Resources Group
Holdren, John P. Dr.	Harvard University

Jachowski, Kathleen P.	Federated Women In Timber
Jemison, Mae Carol Dr. ***Panelist***	The Jemison Group, Inc.
Johnson, David W.	Ohio Public Utilities Commission
Jones, William Charles (Charlie)	National FFA Organization
Kagbo, Robert	Associated Consultants International
Kamp, John Benjamin	Sierra Student Coalition
Karl, Thomas R. ***Panelist***	NOAA/NESDIS / National Climatic Data Center
Karpinski, Gene	USPIRG
Kelly, Robert C.	Enron Renewable Energy Corporation
Kimmelman, Gene	Consumers Union
Krupp, Fred ***Panelist***	Environmental Defense Fund
Lash, Jonathan	World Resources Institute
LeMaster, Lynn H.	Edison Electric Institute
Lempert, Robert J.	RAND
Levin, Peter L. Dean	Boston University College of Engineering
Levinson, Richard A.	American Public Health Association
Linden, Eugene	self-employed
Liverman, Diana Dr. ***Panelist***	University of Arizona
Lovejoy, Thomas	Smithsonian Institution
Lovins, Amory Bloch	Rocky Mountain Institute
MacCracken, Michael	U.S. Global Change Research Program
MacGillis, Brandon	Ozone Action

Mahlman, Jerry D. Dr.	Geophysical Fluid Dynamics Laboratory/NOAA
Malin, Clement B.	Texaco Inc.
Marvin, Michael	Business Council for Sustainable Energy
Mathews, Jessica Tuchman ***Panelist***	Carnegie Endowment for International Peace
Matson, Pamela Dr.	Stanford University
Maury, Samuel L.	The Business Roundtable
Mayben, William R.	Nebraska Public Power District
McBride, Andrew Dr.	City of Stanford Health Department
McCarthy, James J. Dr.	Harvard University
McDonald, Gail	Global Climate Coalition
McDonough, William Dr.	University of Virginia
McElroy, Michael B. Dr.	Harvard University
McIntire, Lee A.	Bechtel Systems & Infrastructures, Inc.
McKelvey, John	Midwest Research Institute
McKibben, Bill	Author
McLain, Phil	National Association of Wheat Growers
McWhinney, Robert T., Jr.	Stone & Webster Management Consultants, Inc.
Micheletti, Thomas A.	Northern States Power Company
Mintzer, Irving Martin	Global Business Network
Molina, Mario Dr.	Massachusetts Institute of Technology
Montgomery, Brad Colin	National FFA Organization
Morse, Steven	Minnesota State Senator
Musil, Robert Kirkland, Ph.D.	Physicians for Social Responsibility

Neumaier, Gerhard J.	Ecology and Environment, Inc.
Nishida, Jane T.	Maryland Department of the Environment
Nordhaus, William Dr. ***Panelist***	Yale University
Nutter, Franklin W.	Reinsurance Association of America
O'Leary, Hazel R.	O'Leary & Associates, Inc.
O'Neill. Paul H.	Alcoa
O'Sullivan Brian Jack	Cannon Power Corporation
Panayotou, Theodore Dr.	Harvard University
Papay, Larry ***Panelist***	Bechtel Corporation
Parkin, Rebecca, MPM, PhD	American Public Health Association
Patz, Jonathan A. MD, MPH	Johns Hopkins School of Hygiene & Public Health
Percy, Steve	BP America
Perkins, Jane	AFL-CIO
Pestillo, Peter J.	Ford Motor Company
Peterson, Ralph R.	CH2M HILL Companies, Ltd.
Pilko, George	Pilko & Associates, Inc.
Pope, Karl	Sierra Club
Preiss, Jeremy	UTC
Pyle, Barbara Y.E.	TBS/CNN
Ramsey, Stephen D.	General Electric Company
Ratcliffe, David M.	Southern Company
Repetto, Robert ***Panelist***	World Resources Institute
Rinas, David L.	Holnam Inc.

Ringo, Jerome Claude	National Wildlife Federation
Ris, Howard Dr.	Union of Concerned Scientists
Rising, Nelson C.	Catellus Development Corporation
Risser, Paul G. Dr.	Oregon State University
Roberts, Cecil	United Mine Workers of America
Roen, Nancy H.	Florida Power & Light Company
Rosenbusch, Corey Shane	National FFA Organization
Roy, Ellen S.	Intercontinental Energy Corporation
Ruvin, Harvey	Dade County, Florida Clerk, Circuit County Courts
Sandor, Richard ***Panelist***	Centre Financial Products
Sant, Roger	AES Corporation
Schlickeisen, Rodger	Defenders of Wildlife
Schmalensee, Richard Dr. ***Panelist***	Massachusetts Institute of Technology
Schwartz, Frederick A.O., Jr.	Cravath, Swaine & Moore
Shaffer, Gail S.	Business & Professional Women/USA
Shavel, Ira	Putnam, Hayes, & Bartlett, Inc.
Shelton, Hilary D.	Washington Bureau, N.A.A.C.P.
Shields, Frank W.	Oregon State Representative
Silbergeld, Mark	Consumers Union
Sloterbeck, David P.	Nuclear Disarmament Inc.
Smith, David A.	Public Policy Department, AFL-CIO
Smith, Mary Ann	Chicago Alderman and I.C.L.E.I. Executive Committee
Smith, Dickinson M.	PECO Energy Co.

Snyder, Jennifer L.	NAACP
Solt, John Charles	Catalytica Combustion Systems, Inc.
Starling, Raymond Albert	National FFA Organization
Stavins, Dr. Robert ***Panelist***	Harvard University, John F. Kennedy School of Government
Stempel, Robert C.	Energy Conversion Devices, Inc.
Stroebel, Carol	Children's Environmental Health Network
Swartz, Daniel Rabbi	National Religious Partnership for the Environment
Sweeney, John ***Panelist***	AFL-CIO
Swenson, Leland H.	National Farmers Union
Symons, Joanne	Symons Public Affairs, Inc.
Thorn, Terence H.	Enron Corporation
Tooman, Connie L.	Pioneer Hi-Bred International, Inc.
Trenberth, Kevin Edward	National Center for Atmospheric Research
Trexler, Mark C. Dr.	Trexler & Associates, Inc.
Tucker, Connie	Southern Organizing Committee
Turner, Ted	Time Warner
Uehlein, Joseph B.	Industrial Union Dept. (AFL-CIO)
Walsh, Michael P.	Consultant
Watson, Robert ***Panelist***	World Bank
Wayburn, Laurie	Pacific Forest Trust
Weiner, Scott A.	Ballard Generation Systems
White, Alice Kernick	NAACP
Wilburn, Susan Q., R.N.	District of Columbia Nurses Association

Wilhelm, Paul J.	USX Corporation
Wilhite, Donald A. ***Panelist***	National Drought Mitigation Center-University of Nebraska
Williams, John F.	General Motors Corporation
Willrich, Mason ***Panelist***	Energy Works, Inc.
Wilson, John Hill Tucker	Morgan Stanley & Company, Inc.
Wolf, James	American Standard Companies
Wolfensohn, James ***Panelist***	World Bank
Wood, Randolph (Randy)	Nebraska Department of Environmental Quality
Woodwell, George, M.	The Woods Hole Research Center
Yeager, Kurt Eric ***Panelist***	Electric Power Research Institute
Yergin, Angela Stent Dr. ***Panelist***	Georgetown University
Yergin, Daniel	Cambridge Energy Research Associates
Yost, Nicholas C.	Sonnenschein Nath & Rosenthal
Zinn, Ken	AFL-CIO

WH Agenda

White House Conference on Climate Change:
The Challenge of Global Warming
October 6, 1997

10:00 - 10:05
Vice President Gore: ***Welcome attendees***

10:05 - 10:20
President Clinton: ***Opening Remarks***

10:20 - 11:20
Panel I: The Science of Global Warming and Climate Change

Presentation: **John Holdren,** Professor, Department of Earth and Planetary Sciences and the John F. Kennedy School of Government, Harvard University. Head of President's Committee of Advisors on Science and Technology (PCAST).

Panelists: **Robert Watson,** Incoming Chair of the Intergovernmental Panel on Climate Change (IPCC); Director for Environment, World Bank.
Tom Karl, Senior Scientist, NOAA, National Climatic Data Center.
Diana Liverman, Chair, National Academy of Sciences Committee on Human Dimensions of Global Change; Director, Latin American Studies Program, University of Arizona.
Don Wilhite, Director, National Drought Mitigation Center, University of Nebraska.

11:30-11:45
Vice President Gore: ***Remarks***

11:45-12:45
Panel II: The Role of Technology in Reducing Greenhouse Gas Emissions

Presentation: **Federico Peña,** Secretary of Energy.

Panelists: **Tom Casten,** President & CEO, Trigen Energy Corporation.
Michael Bonsignore, President and CEO, Honeywell Corporation.
Mason Willrich, CEO, EnergyWorks.
Kurt Yeager, President, Electric Power Research Institute.
Larry Papay, Bechtel Corporation

1:00-2:00
Lunch: Breakout Discussions with the Cabinet

2:15-2:30
First Lady Hillary Rodham Clinton: ***Remarks***

2:30-3:30
Panel III: The Kyoto Conference and U.S. National Interests

Presentation: **Madeleine Albright,** Secretary of State.
Panelists: **James D. Wolfensohn,** President, World Bank.
Richard Schmalensee, Professor of Economics and Management, Massachusetts Institute of Technology; Director of MIT Center for Energy and Environmental Policy Research; member of Council of Economic Advisers, 1989-91.
Daniel Yergin, President, Cambridge Energy Research Associates; author of "The Prize: The Epic Quest for Oil, Money and Power," winner of the Pulitzer Prize.
E. Linn Draper, Chairman, President, and Chief Executive Officer, American Electric Power.
Fred Krupp, Executive Director, Environmental Defense Fund.
Mae Jemison, President, Jemison Group, Inc. and Jemison Institute for Advancing Technology in Developing Countries at Dartmouth University. Former NASA astronaut.
Jessica Tuchman Mathews, President, Carnegie Endowment for International Peace.

3:30-4:30
Panel IV: Climate Change Policy and the U.S. Economy

Presentation: **Larry Summers,** Deputy Secretary of the Treasury.
Panelists: **Robert Repetto,** Vice President and Senior Economist, World Resources Institute. Co-author, "The Costs of Climate Protection: A Guide for the Perplexed."
William Nordhaus, Whitney Griswold Professor of Economics, Yale University. Author of "Efficient Use of Energy Resources," "Managing the Global Commons."
Robert Stavins, Professor of Public Policy and Chair of Environment and Natural Resources Program, the John F. Kennedy School of Government, Harvard University.
John Sweeney, President, AFL-CIO.
Richard Sandor, Chairman & Chief Executive, Centre Financial Products Limited; Vice-Chair of Chicago Board of Trade.

WH Conf Presentation

Presentation by Thomas R. Casten, CEO, Trigen Energy Corporation
White House Conference on Global Climate Change
October 6, 1997 - Washington.

- The debate about reducing CO_2 emissions assumes that there will be a significant cost to the economy. As a result, many businesses want a second opinion. They want to quibble over the science.

- We have the technology to lower energy costs by reducing fuel use and thus reducing greenhouse gases. The potential for efficiency and reduced emissions is obvious from the fact that our utilities throw away two-thirds of the energy value in the fuels they burn -- more energy each year than the entire annual energy budget of Japan. The critical question is why we do not deploy the technology to cut that waste and cure the emissions.

- The problem is not lack of technology. The problem is not industry. The problem is not electric utilities. The problem is our outmoded laws that treat electricity as a natural monopoly, and subject electric production to a veritable tapestry of rules that discourage competition, discourage innovation, and thus discourage efficiency. Wasting two-thirds of the fuel to make electricity is a logical, rational response to the nation's laws and regulations.

- The electric market is not competitive and the logic of monopoly is different. Costs do not matter, they are paid in full by captive customers. Fuel efficiency does not matter, since improving efficiency doesn't improve profits. The result is waste – waste of fuels, waste of capital, and waste of time.

- We can dramatically cut carbon emissions and deliver benefits across the economy by unleashing the power of market forces – through electric competition. Give customers choices. Give entrepreneurs the challenge to sort out how to meet energy needs efficiently. Avoid command and control.

Examples of U.S. Power Projects that have reduced Greenhouse Gases in Foreign Countries

HONDURAS --RENEWABLE

An example of international cooperation to reduce greenhouse gas emissions is the Honduran biomass project being developed by Nations Energy. A 15 megawatt biomass wood waste-to-energy electric generation plant, the project will reduce CO2 emissions by a minimum of 113,500 metric tons per year or 2.27 million metric tons over the 20 year expected life of the plant.

CZECHOSLOVAKIA—COAL FIRED PLANT USING U.S. TECHNOLOGY

Tucson Electric Power Company, and Northern States Power Company jointly have developed a coal fired electric generation plant in the former Soviet bloc country of Czechoslovakia. Using U.S. ingenuity and technology this plant is expected to reduce greenhouse gas emissions by more than 187,900 metric tons per year while simultaneously lowering the cost of energy to the Czech people.

MEMORANDUM TO TODD STERN

FROM: Natalie Wymer

DATE: September 16, 1997

RE: White House Conference Communications Plan

Following our discussion late yesterday, I am attaching a copy of my working draft communications plan for the White House climate change conference. There are still blanks to be filled in and some outstanding questions. This afternoon's meeting should be helpful in rounding the plan out. Some comments are in italics because I'm still working through those thoughts..

DRAFT
WHITE HOUSE CONFERENCE ON CLIMATE CHANGE
COMMUNICATIONS PLAN

We will use the week prior to the White House Conference on Climate Change (working title) to accelerate public awareness about the climate change issue. This will be largely done through an exclusive print interview with the President, appearances by cabinet members on key television programs and the meteorologists event.

Message
Since our policy will not be ready until later in October, the broad message will be that scientific evidence of climate change is clear and we need to address the issue but not damage the U.S. economy. The U.S. will support an international agreement that sets realistic goals and requires all nations to do their part.

News from the Conference
Need to determine what exactly is the news hook. Follow-up on previous ideas discussed.

Announcement of Policy
Since our policy will be ready a couple weeks after the conference we don't want to exhaust all of our media options. In some cases it will be tough to go to the well twice. Media opportunities specifically not addressed as part of the ramp-up because of the later announcement include: Larry King Live, Nightline, National Press Club Speech (Cabinet), POTUS interview with major daily newspaper, specialty gatherings such as the Sperling Breakfast (Cabinet).

Regional Media
This draft plan does not go into detail regarding our two-prong regional amplification. We will match conference participants with D.C.-based reporters from their region and pitch local media to cover the satellite conferences around the country. Op-eds placed in local newspapers by the key participant in each satellite city conference would be encouraged.

Calendar
WEEK OF SEPTEMBER 28
POTUS Interview with Dick Thompson, TIME Magazine
Thompson, not a WH correspondent, is working on two to three pages on climate change now. The issue would come out the day of the conference.

MONDAY, SEPTEMBER 29
Climate Change Web Page Unveiling and Online Discussion
Among other expected items, the web page should include a science lesson, a list of conference satellite cities so people can find a location near-by to attend. Ideally, the Vice President would unveil (linking his issues of technology and the environment) and participate in an online discussion. This could be done in his office with a photo spray. A release about the web page could go beyond the typical media list to computer/technology trades, an audience that might not be familiar with the climate change issue.

WEDNESDAY, OCTOBER 1
Broadcast Meteorologists Event
This event will have it's own aggressive media plan including outreach to the national weather-related reporters, all the expected regional amplification and pitching tv/entertainment-related reporters (such as John Carmody, tv columnist for the *Washington Post). Because of participation by the President and Vice President, we should encourage coverage by White House press.*

Lehrer News Hour (Rubin)

THURSDAY, OCTOBER 2
CNN Moneyline (Daley)

Nightly Business Report (Pena)

FRIDAY, OCTOBER 3
USA Today/Today's Debate
At this point we can't predict which side of the argument - pro or con - the editorial editor will select. If we have to provide someone to respond to the pro side the Vice President would be good.

USA Today Chart
Bill and Rozina are thinking about what we have to pitch.

MSNBC (McGinty)

Fox 24-Hour (McGinty)

Talk Back Live (Babbitt)

SATURDAY, OCTOBER 4
POTUS Radio Address
We could invite a local jr. high suburban science class or science club to hear the President's remarks. This would provide a local media hook and put a wire photo out for the weekend.

WEEK OF OCTOBER 5
Mrs. Clinton's newspaper column on climate change

SUNDAY, OCTOBER 5
Sunday Shows
- Meet the Press (Rubin)
- This Week (Daley)
- Face the Nation (Pena)
- Fox (Browner)

These are so tentative and would really be assigned based on interest. Concerned about having interest on this topic from the Sunday shows.

MONDAY, OCTOBER 7 - WHITE HOUSE CONFERENCE
Time magazine comes out.

Morning Shows
- Today (Rubin)
- GMA (Daley)
- CBS This Morning (Pena)

Concerned that this will be a hard sell.

Wall Street Journal Op Ed (Rubin)
New York Times (Daley)
Do we want to push for these on the day of the conference or wait until policy announcement?

Miscellaneous Notes
Don't want the topic to drop off the screen after the Conference on Monday so need to think about immediate post-conference opportunities.
Concerned about the Sunday shows interest level in the topic.
Don't want to forget C-Span.
Need to determine the best NPR opportunity.
Exploring other media opportunities that we wouldn't control timing, such as surrogate op-eds and radio appearances, Bill Nye/USA Today op-ed, MTV, Nickelodeon.

Planning

CHECKLIST FOR MONDAY CONFERENCE
REVISED 1 P.M., SATURDAY

SCHEDULE/AGENDA
- Times accurate and work with satellite
- Key guest arrival times set
- Script

SEATING (Cheri)
- WH staff (Beth) - call around to find out who there and traveling
- 20 cabinet with Goody
- Roped off in balcony - 43 congressional, 30 press, 8 cab staff
- Georgetown students - arrival times and upstairs
- 3 p.m. Sun. Meeting with GU ushers (Cheri)

PANELISTS (Bill)
- When do they arrive?
- Do they know where to go?
- Who will escort and assist them?
- Are there specific materials or equipment needed?
- Do we have bios?
- Walk thru on Sunday - 5/science, 6/technology, 7/fpolicy/8economists
- Special credentials
- Namecards (Peter)

ATTENDEES (Cheri)
- Arrival time and entrance
- Escorts for special guests?

CABINET AND KEY STAFF (Kris)
- Briefing
- Escorts - cab affairs staff
- Conference call on Sunday

CONGRESS (Dan)
- Escorts - leg staff
- Acknowledgements

Intergovernmental (Fred)
- About 15 attending, no acknowledgements
- Escorts - IG staff

BREAKOUT SESSIONS (Beth and Michele)

- Determine cabinet assignments
- Determine invitees in which sessions
- How will attendees know which session to go to?
- Good signs for breakout sessions/floor plan sign
- Notetakers - know tasks and have supplies (Shelley)
- Volunteers at doors to check invitees in - need lists
- Rooms 1, 2, 3, A, B, C, F, G1, G2, G3, G4, H
- Congress staff note choices at check-in
- Troubleshooters in the halls

VISUALS AND LOGISTICS (Redmond/Jody)

- Backdrop
- What will be on the screens?
- Stage seating chart/Namecards
- Video feed to press riser and satellite?
- Audio and video record beyond WH for POTUS or stenographer
- Audience mikes
- Break announcements
- Green/red lights and staffing this (Michelle)
- Designated smoking area
- Working staff room with phones, fax, computer access?
- Check-in table - staffing, nametags
- Walk thru on Sunday at 3 p.m., meet at Gaston Hall
- Mag locations
- General troubleshooters at check-in (Cheri, Beth, Shelley)
- Signer
- Hold rooms - panelists, WH staff, cabinet and congress, volunteers
- Good signage for everything
- Food trays in breakout rooms

SATELLITES (Sean)

- Every city set?
- Monitoring system?
- Captioning
- Additional handout materials

POTUS BRIEFING (Nicholas)

- Memo, bios, script, agenda, participant list, some q and a, substance background, seating chart
- Prebrief
- CC to VPOTUS, FLOTUS

POTUS SPEECH

PRESS (Natalie)

- Set-up time - 4:15 a.m. to 6:15 a.m. for crews, 8:30 a.m. to 9:15 a.m. for others
- Press area marked off - upstairs and downstairs
- Press kits - release, agenda (fix), bios, 4-1pagers, State of Knowledge, web address card
- Good signs for WH pool filing room
- Mult box situation
- Talking points for McCurry
- Interview room
- Stakeout location/protest area
- Press sign-in table
- Credentials
- Good signs for press table
- Lunch tray in filing room for press
- Attendess list public on Monday a.m. (Cheri)
- Staffing assignments
- Monitoring satellites

RECEPTION (Beth)

- Food
- Number expected
- VIP guests
- Nametags
- Transportation to OEOB (signs about special buses?)
- Clearance
- Program
- Volunteers to get buses boarded
- Staging area at GU, route, drop off at OEOB

HANDOUTS (Nicholas and Dan)

- Panelists
- Attendees
- Press
- Stuffing process - who, when and where
- Quantity of packets - 100 press, 400 attendees

COUNTDOWN MEETING
10 a.m. - Room 180
Phone: 757-2104, #8282

Todd Stern
Bill Antholis
Nicholas Lapham
Beth Viola
Sean Kennedy
Dirk Forester
Jody Jaeger
Redmond Walsh
Rosina Bierbaum
Dan Tate
Fred Duvall
Natalie Wymer
Shelley Fidler (phone)
Michele Jolin (phone)
Cheri Carter (phone)
Kris Balderston (phone)

C
Breakfasts

United States Department of State

Bureau of Oceans and International Environmental and Scientific Affairs

Washington, D.C. 20520

'97 OCT 8 PM3:45

DATE: 10/8/97

NUMBER OF PAGES TO FOLLOW: 3

FAX TO: Todd Stern

TELEPHONE: 456-2702 FAX: 456-2215

OFFICE: White House Staff Secretary

****

FAX FROM: Melinda Kimble

TELEPHONE: 647-3004 FAX: 647-0217

OFFICE:

****

MESSAGE: FYI.

United States Department of State

Assistant Secretary of State for Oceans and International Environmental and Scientific Affairs

Washington, D.C. 20520

MEMORANDUM OF RECORD ON WHITE HOUSE CONFERENCE ON CLIMATE CHANGE

DATE: OCTOBER 6, 1997

SUBJECT: GEORGETOWN UNIVERSITY - GASTON HALL CONFERENCE ROOM 3

HIGHLIGHTS OF EXCHANGE:

- **Consensus that all countries, not just OECD, must act.**
- **Some fear about economic dislocations, job losses if policies are too aggressive.**
- **Much business support for joint implementation with credit in developing countries.**
- **Disagreement about public awareness of climate change and whether public will support action if it involves changes in lifestyle.**
- **Agreement that more information is needed in all countries to help consumers choose available climate-friendly technologies.**
- **Believe that both more information and education is needed on the problem and its technological solutions.**
- **Some think more investment in R&D is needed.**

Richardson Table

Bill Richardson: We are in the process of setting the stage; our objective is to educate the U. S. people. We hope to develop policy -- move to realistic ideas – I am here because of the UN role in the climate change issue and the UN sponsorship with Japan of the meeting in Kyoto. I would like to ask Todd Stern the Assistant to the President and Staff Secretary to say a few words. Stern: My purpose, as that of all of us in these groups, is to hear from non- government participants. Bill: Perhaps we should start with the skeptics.

Stavins: As an economist, it's easy to be called a skeptic. I would characterize my views a pragmatic. Without the reality check of the Byrd amendment, we could find ourselves with the OECD countries acting alone. We would just shift production in energy intensive industries to LDCs, then, we would have higher costs and more resistance in the future to LDC action – and higher costs.

McBroom: (Byrd's staff) Senate Resolution 98 – 65 co-sponsors; the Senate only needs 24 no votes to reject to a treaty!? We were sending a signal that developing countries

must play; the Berlin Mandate is not acceptable. Some disagree on the science: some don't support binding agreements. We will look carefully at any Kyoto result.

Dushaw: Goals are commendable, but the jobs issue is important; fairness looks to who does what and when; utilities' restructuring is already eliminating jobs. Also, no focus on nuclear power even though it's CO_2 free. Energy price structure is important; green energy is more expensive. Price and reliability are most important issues for Americans. Electric utilities under regulations could contribute to R&D; but no money is available now because their revenues are declining.

Buckman: Some electric utilities want CC to disappear. Our firm, however, agrees action is needed. We are concerned, however, that we might not have a ratifiable treaty – we need LDCs - we need flexibility – credits, JI - important investments in LDCs should count – maximize resource use. If we get these mechanisms, industry can help solve the problem.

Symons: (Public relations consultant) My clients are like National Association of Female Executives (NAFE). These women are my clients, they are mostly branch bank managers (mid-level executives in mid-size firms) in small cities like Toledo. I asked them what's important about this issue? Don't understand climate change -- not clear on impact. Toxic waste is a more important environmental issue. You have no political base.

Pollack: (Michigan EPA). I disagree public is 80% pro-environment and 60% will back action? Congressional opposition is just the politics of elites; and money is the driving issue.

Boehlert: This issues stimulates a "my eyes glaze over" effect on why the economy is doing so well. I don't get people out there who care about CC. Things are going well! They say don't rock the boat.

Gilchrist: Pfisterea got attention. If we are to get public focus, we need to get to immediacy of issue; get to context – explain mechanics of global warming - this will generate some enthusiasm.

Goldston: (Boehlert's staff) The public is not there. They don't accept science – credibility needs to be built and that takes a long time, so far it's too anecdotal, then, with science you can get focus on economics. Dynamics of understanding must improve.

Nickerson: We need to demonstrate how we can act – we can get information out. We need to make clear what behavioral changes are needed.

Molina: Youth understands – generational problem – 20 years to get issue to this level. LDCs need more integrated understanding: populace understands pollution, we can use

anti-pollution strategies to get more action, not just power, stopping slash-and-burn -- agriculture is important. More investment; JI is needed.

Fri: LDCs have to grow differently; avoid the more energy rich path.

Gatto: Small technologies need to be employed. We need to get support for positive changes and not compromise jobs. Economic policy must emphasize new technology. A 15% reduction in GHC equals 400 MMT CO_2 If every vehicle used ethanol, we could get to a 35% below reduction in the transport sector alone and fuel cells, new cars would add to this. Technology is available; we have dispersion problem. Some signs of destabilization – secure access to petro-chemicals and oil is an issue for many LDCs – China's recent investments in oil access illustrate the anxiety.

Pollack: Responsible action on global warming will not hurt Congress.

Buckman: Inform public here? No we need to do this globally. Developing countries' citizens must also understand the path to growth has options.

Richardson: Thanks very much and keep giving us your views – We want to know what you think.

Stern: This is part of the policy debate and there will be lots of meetings to discuss these comments.

Drafted: OES:MLKimble, Acting
647-3004 10/8/97

cc: USUN - Mr. Richardson
White House - Todd Stern

C

OFFICE OF THE UNDER SECRETARY OF DEFENSE
3000 DEFENSE PENTAGON
WASHINGTON, DC 20301-3000

ACQUISITION AND TECHNOLOGY

'97 OCT 7 PM6:08

MEMORANDUM FOR TODD STERN

SUBJECT: White House Conference on Climate Change -- Summary of Discussion in Breakout Group Eleven

Rodney Slater, Secretary of Transportation and Dirk Forrister, Director, White House Task Force on Climate Change co-chaired the group. Overall, I heard three main themes in our session which largely represented the Transportation sector:

1. Many opportunities for improving energy efficiency exist if we identify and remove current market failures and improve information.

   a. electric cars and energy efficient light bulbs save energy and are cheaper (to the consumer) but are not selling.

   b. product labeling can help.

2. Incentives are needed to promote some energy efficient technologies such as fuel cells, concrete housing, ultra light rail. PNGV can be a model for promoting energy efficient technology development with the private sector. Adoption of new technologies can be accelerated if Government will assume technical risk for initial demonstrations (example: ultra light rail).

3. Sustainable development must include emphasis on city planning and urban congestion. Mass transportation, particularly rail, needs much more attention and investment.

Finally, private sector executives asserted that the biggest domestic barrier to climate change policies is the fear of economic dislocation. Other members agreed with this assessment.

Sherri W. Goodman
Deputy Under Secretary of Defense
(Environmental Security)

OPTIONAL FORM 99 (7-90)
FAX TRANSMITTAL # of pages ▸ 1

To Todd Stern	From Sherri Goodman
Dept./Agency	Phone #
Fax # (202) 456 2215	Fax #

NSN 7540-01-317-7368 5099-101 GENERAL SERVICES ADMINISTRATION

Environmental Security *Defending Our Future*

- Jonathan
We need to track all 12 reports down by Thursday 1-

Breakouts

BREAKOUT ONE
CONFERENCE ROOM 1

Lawrence H. Summers
Deputy Secretary
Department of Treasury

Timothy E. Wirth
Undersecretary for Global Affairs
Department of State

Notetaker: *David Sandalow*

Bayless, Charles	Tucson Electric
Braun, Gerald	Solarex
Brody, Steve	Pioneer Hi-Bred International
Cherry, Bud	Oxbow Power Corp.
Draper, E. Linn	American Electric Power
Faye, Kevin	International Climate Change Partnership
Gallucci, Amb. Robert	Georgetown University
Henry, Wolcott C. III	The Curtis & Edith Munson Foundation
Lash, Jonathan	World Resources Institute
Lovejoy, Thomas	Smithsonian Institution
Mahlman, Dr. Jerry D.	Geophysical Fluid Dynamics Lab/NOAA
Maury, Samuel L.	The Business Roundtable
McCarthy, James J.	Harvard University
Percy, Steve	BP America
Sandor, Richard	Centre Financial Products
Snyder, Jennifer L.	NAACP
Wolf, James	American Standard Companies
Wilson, John Hill Tucker	Morgan Stanley & Co., Inc.

BREAKOUT TWO
CONFERENCE ROOM 2

Kathleen A. McGinty
Chair
Council on Environmental Quality

James Lee Witt
Director
FEMA

Notetaker: *Jonathan Pershing*

Adesanya, Babafemi A.	Hampton University
Bergsten, C. Fred	Institute for International Economics
Callahan, Deborah	League of Conservation Voters
Campbell, Robert	Sun Oil Company
Cooney, Wilson Charles "Bill"	USAA
Coors, John	Golden Genesis
Eachus, Ronald	Oregon Public Utility Commissioner
Harlan, Robert C.	Owens Corning
Jones, Charlie	National FFA Organization
Kimmelman, Gene// Silbergeld, Mark	Consumers Union
Liverman, Diana	University of Arizona
Nutter, Franklin	Reinsurance Association of America
Papay, Lawrence	Bechtel Corporation
Pilko, George	Pilko & Associates, Inc.
Pyle, Barbara	TBS/CNN
Ramsey, Stephen D.	General Electric Co.
Ratcliffe, David	Southern Company
Ruvin, Harvey	Circuit of County Courts Dade County, Florida
Thomas, Robert	Georgetown School of Business
Turner, Ted	Time Warner
Weiner, Scott	Ballard Power Generation

BREAKOUT THREE
CONFERENCE ROOM 3

William Richardson
Ambassador to the U.S. Mission to the United Nations

Todd Stern
Assistant to the President and Staff Secretary

Notetaker: *Melinda Kemble* ✓

Bonsignore, Michael	Honeywell Corporation
Buckman, Fredrick	Pacific Corporation
Dushaw, James	International Brotherhood of Electrical Workers
Ehrlich, Everett M.	ESC Company
Fri, Robert	National Museum of Natural History
Fuller, Kathryn	World Wildlife Fund
Gatto, Stephen	BC International, Inc.
Hausker, Karl	Center for International and Strategic Studies
Kagbo, Robert	Associated Consultants, International
Levinson, Richard	American Public Health Association
Molina, Mario	MIT
Schwartz, Rabbi Daniel	National Religious Partnership for the Environment
Stavins, Robert	John F. Kennedy School of Government, Harvard University
Symons, Joanne L.	Symons Public Affairs, Inc.
Thorn, Terence H.	Enron Corp.
Weiss, Edith Brown	Georgetown University
Yeselson, Richard	Industrial Union Dept., AFL-CIO

BREAKOUT FOUR
CONFERENCE ROOM A

James B. Steinberg
Deputy Assistant to the President for National Security Affairs

J. Brian Atwood
Administrator
Agency for International Development

Notetaker: *David Hales*

Chandler, William Upton	Pacific Northwest National Laboratory
Christiansen, Rev. Drew S. J.	U.S. Catholic Conference
Dillion, Dr. Thomas	Science Applications International Corp.
Esty, Daniel	Yale Center for Environmental Law
Greenbaum, Daniel	Health Effects Institute
McDonald, Gail	Global Climate Coalition
Murphy, Dale	Georgetown University
Panayotou, Theodore	Harvard University
Pope, Carl	Sierra Club
Sant, Roger	AES Corp.
Schmalensee, Richard	MIT Sloan School/ Center for Energy & Env. Policy Research
Shaffer, Gails	Business and Professional Women/USA
Shavel, Ira	Putnam, Hayes, & Bartlett, Inc.
Solt, John Charles	Catalytica Combustion Systems, Inc
Stempel, Robert C.	Energy Conservation Devices, Inc.
Trexler, Mark C. Dr.	Trexler & Associates, Inc.
Wilhelm, Paul J.	USX Corporation
Willrich, Mason	Energy Works

BREAKOUT FIVE
CONFERENCE ROOM 5

Carol M. Browner
Administrator
Environmental Protection Agency

Kitty Higgins
Deputy Secretary
Department of Labor

Notetaker: *David Gardiner*

Becker, George F.	United Steelworkers of America
Codey, Lawrence	Public Service Electric & Gas Co.
Coffman, Vance D.	Lockheed Martin Corp.
Daigle, John Douglas	Coalition to Restore Coastal Louisiana
Deavenport, Earnest W. , Jr.	Eastman Chemical Co.
Freeman, S. David	L.A. Dept. Of Water & Power
Gieszl, Yale	Toyota Motor Sales USA, Inc.
Hemminghaus, Roger R.	Ultramar Diamond Shamrock Corp.
Jachowski, Kathleen P.	Federated Women in Timber
McKibben, Bill	Author
Repetto, Robert	World Resources Institute
Ringo, Jerome C.	Progressive Resources Inc./ National Wildlife Federation
Roberts, Cecil	United Mine Workers of America
Roy, Ellen	Intercontinental Energy Co.
Smith, David	Public Policy Department, AFL-CIO
Sweeney, John	AFL-CIO
Tucker, Connie	Southern Organizing Committee
Wilburn, Susan	District of Columbia Nurses Association
Yergin, Dr. Angela	Georgetown University

BREAKOUT SIX
CONFERENCE ROOM C

Dan Tarullo
Assistant to the President for International Economic Policy

Richard Rominger
Deputy Secretary
Department of Agriculture

Notetaker: *Charlie Rawles*

Burton, Bradley	AFL-CIO
Cassidy, Dr. John	United Technologies Research Center
Cooper, William	Georgetown University
Correll, Pete	Georgia Pacific Corp.
Davis, William E.	Niagra Mohawk
Edmonds, James	Battelle
Gelbspan, Ross	Author
Holdren, Dr. John	Harvard University
LeMaster, Lynn	Edison Electric Instititute
Matson, Pamela	Stanford University
Montgomery, Brad	National Future Farmers of America
Neumaier, Gerhard	Ecology and Environment, Inc.
Nordhaus, William	Yale University
Perkins, Jane	AFL-CIO
Ris, Howard "Bud"	Union of Concerned Scientists
Roen, Nancy H.	Florida Power & Light Co.
Schlickeisen, Rodger	Defenders of Wildlife
Schwartz, Frederick A. O. Jr.	Cravath, Swaine & Moore
Shields, Frank W.	Oregon State Legislature
Sloterbeck, David	US Fuel and Security, Inc.
Wayburn, Laurie	Pacific Forest Trust
Wood, Randy	Nebraska Department of Environmental Quality

BREAKOUT SEVEN
CONFERENCE ROOM F

Federico Pena
Secretary
Department of Energy

Dwight P. Robinson
Deputy Secretary
Department of Housing & Urban Development

Notetaker: *Dan Reicher*

Andlinger, Merrick	Pure Energy Corporation
Bates, Richard Brent	SONAT Energy Services
Boyce, Gregory H.	Kennecott Energy Co.
Casten, Thomas	Trigen Energy
Colvin, Joeseph	Nuclear Energy Institute
Dorsey, Herman Sherwood, Jr.	American Association of Blacks In Energy
Edelin, Ramona	National Urban Coalition
Friedman, Robert	The Heinz Center
Frishberg, Ivan	Pirg's Higher Education Project
Garcia, Gustavo L.	City of Austin, Texas
Helme, Edward	Center for Clean Air Policy
Johnson, David	Ohio Public Utilities Commission
MacGillis, Brandon	Ozone Action
O'Sullivan, Brian Jack	Cannon Power Corp.
Smith, Dickinson	PECO Energy Co.
Weiss, Charles	GeorgetownUniversity
Yeager, Kurt Eric	Electric Power Research Institute
Yost, Nicholas C.	Sonnenschein Nath & Rosenthal

BREAKOUT EIGHT
CONFERENCE ROOM G1

Daniel R. Glickman
Secretary
Department of Agriculture

George Munoz
Director
OPIC

Joe Duffy
Director
USIA

Notetaker: *Rafe Pomerance*

Adams, John	Natural Resources Defense Council
Barron, Eric J.	Penn State University
Barrows, Edward	Georgetown University
Beder, Michael	US Fuel and Security, Inc.
Bently, Holly	National Future Farmers Organization
Bryant, Robert	Golden Spread Electric Cooperative
Gangloff, Deborah	American Forests
Hankins, Grover	Thurgood Marshall School of Law, Texas Southern University
Hirshberg, Gary	Stonyfield Farm, Inc.
Kamp, John Benjamin	Sierra Student Coalition
Kelly, Robert C.	Enron Renewable Energy Corp.
Mayben, William R.	Nebraska Public Power District
McIntire, Lee A.	Bechtel Systems & Infrastructures, Inc.
McKelvey, John	Midwest Research Institute
McLain, Philip	National Association of Wheat Growers
McWhinney, Robert T. Jr.	Stone & Webster Management Consultants
Micheletti, Thomas A.	Northern States Power Company
Swenson, Leland H.	National Farmers Union
Tooman, Connie	Pioneer Hi-Bred International
Whilhite, Donald	National Drought Mitigation Center, University of Nebraska

BREAKOUT NINE
CONFERENCE ROOM G2

Bruce Babbitt
Secretary
Department of the Interior

Robert Mallet
Deputy Secretary
Department of Commerce

Notetaker: *Jeffrey Hunker*

Anderson, Ray	Interface, Inc.
Bell, Hays R.	Eastman Kodak Co.
Blinder, Alan S.	Princeton University
Conlon, P. Gregory	California Public Utilities Commission
Davis, William E.	Niagara Mohawk Power Corporation
Hansen, Paul W.	Izaak Walton League of America
Marvin, Michael	Business Council for Sustainable Energy
McElroy, Michael B.	Harvard University
McKelvey, John	Midwest Research Institute
McNeill, John	Georgetown University
Parkin, Rebecca, PhD	American Public Health Association
Peterson, Ralph R.	CH2M Hill Companies, Ltd.
Rising, Nelson C.	Catellus Development Corporation
Rosenbusch, Corey Shane	National FFA Organization
Smith, Mary Ann	Chicago Alderman and ICLEI Executive Committee
Starling, Raymond	National FFA Organization
White, Alice Kernick	NAACP
Yergin, Daniel	Cambridge Energy Research Associates

BREAKOUT TEN
CONFERENCE ROOM G3

Janet L. Yellen
Chair
Council of Economic Advisers

John Garamendi
Deputy Secretary
Department of Interior

Notetaker: *Mark Mazur*

Adcock, J. Patrick	EIC
Butler, Jolynn Barry	Public Utilities Commission of Ohio
Carton, Jean	Garden Club of America
Childress, Mark	Environmental Working Group
Earl, Anthony S.	Center for Clean Air Policy
Engelhardt, Irl F.	Peabody Holding Company, Inc.
Freer, David	Pacific Enterprises
Krupp, Fred	Environmental Defense Fund
Linden, Eugene	Author
Malin, Clement B.	Texaco Inc.
Mathews, Jessica Tuchman	Carnegie Endowment for International Peace
Mintzer, Irving Martin	Global Business Network
O'Leary, Hazel R.	O'Leary & Associates, Inc
O'Lesko, Kathy	Georgetown University
O'Neill, Paul H., CEO	Alcoa
Risser, Paul G.	Oregon State University
Trenberth, Kevin	National Center for Atmospheric Research
Uehlein, Joseph	Industrial Union Dept., AFL-CIO
Walsh, Michael	Consultant
Zinn, Kenn	AFL-CIO

BREAKOUT ELEVEN
CONFERENCE ROOM G4

Rodney E. Slater
Secretary
Department of Transportation

Dirk Forrister
Director
White House Task Force on Climate Change

Notetaker: *Sherri Goodman* ✓

Comer, Clarence C.	Southdown, Inc.
Deland, Michael	American Flywheel Systems
Donohue, Jeannette	Cone Communications
Fani, Robert	Brooklyn Union
Fehringer, Rachel	National FFA Organization
Florio, James J.	Florio & Perrucci, P. C.
Good, Mary	Venture Capital Investors
Gordon, Harry	Burt Hill Kosar Rittlelmann Associates
Hanson, Jaydee	United Methodist Church
Jemison, Dr. Mae	The Jemison Group, Inc.
Lembert, Robert	RAND
Levin, Peter L.	Boston University College of Engineering
Lovins, Amory Block	Rocky Mountain Institute
McBride, Timothy	Chrysler Corporation
Pestillo, Peter J.	Ford Motor Company
Rinas, David	Holnam Inc.
Snyder, Timothy	Georgetown University
Watson, Robert	World Bank
Williams, John	General Motors Corporation

BREAKOUT TWELVE
CONFERENCE ROOM H

Donna Shalala
Secretary
Department of Health and Human Serivces

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

Notetaker: *Mark Schaefer*

Crow, Michael M.	Columbia University
Epstein, Paul R.	Harvard Medical School
Galanter, Ruth	Council MemberCity of Los Angeles
Hartke, Jan Alan	Earthkind International
Henneke, Ben	Clean Air Action Corp.
Hicks, Janice	Georgetown University
Holdren, Cheryl	Energy & Resources Group
Karl, Thomas	NOAA National Climatic Data Center
Karpinski, Gene	U.S. PIRG
McBride, Dr. Andrew	City of Stamford Health Department
Morse, Steven	Minnesota State Senator
Musil, Robert	Physicians for Social Responsiblitity
Nishida, Jane	Maryland Department of the Environment
Patz, Jonathan A. MD,MPH	Johns Hopkins School of Hygiene & Public Health
Shelton, Hilary O.	NAACP
Stroebel, Carol	Children's Environmental Health Network
Woodwell, George M.	The Woods Hole Research Center

Breakouts

BREAKOUT ONE
CONFERENCE ROOM 1

Lawrence H. Summers
Deputy Secretary
Department of Treasury

Timothy E. Wirth
Undersecretary for Global Affairs
Department of State

Notetaker: *David Sandalow*

Bayless, Charles	Tucson Electric
Braun, Gerald	Solarex
Brody, Steve	Pioneer Hi-Bred International
Cherry, Bud	Oxbow Power Corp.
Draper, E. Linn	American Electric Power
Faye, Kevin	International Climate Change Partnership
Gallucci, Amb. Robert	Georgetown University
Henry, Wolcott C. III	The Curtis & Edith Munson Foundation
Lash, Jonathan	World Resources Institute
Lovejoy, Thomas	Smithsonian Institution
Mahlman, Dr. Jerry D.	Geophysical Fluid Dynamics Lab/NOAA
Maury, Samuel L.	The Business Roundtable
McCarthy, James J.	Harvard University
Percy, Steve	BP America
Sandor, Richard	Centre Financial Products
Snyder, Jennifer L.	NAACP
Wolf, James	American Standard Companies
Wilson, John Hill Tucker	Morgan Stanley & Co., Inc.

BREAKOUT TWO
CONFERENCE ROOM 2

Kathleen A. McGinty
Chair
Council on Environmental Quality

James Lee Witt
Director
FEMA

Notetaker: *Jonathan Pershing*

Adesanya, Babafemi A.	Hampton University
Bergsten, C. Fred	Institute for International Economics
Callahan, Deborah	League of Conservation Voters
Campbell, Robert	Sun Oil Company
Cooney, Wilson Charles "Bill"	USAA
Coors, John	Golden Genesis
Eachus, Ronald	Oregon Public Utility Commissioner
Harlan, Robert C.	Owens Corning
Jones, Charlie	National FFA Organization
Kimmelman, Gene/ Silbergeld, Mark	Consumers Union
Liverman, Diana	University of Arizona
Nutter, Franklin	Reinsurance Association of America
Papay, Lawrence	Bechtel Corporation
Pilko, George	Pilko & Associates, Inc.
Pyle, Barbara	TBS/CNN
Ramsey, Stephen D.	General Electric Co.
Ratcliffe, David	Southern Company
Ruvin, Harvey	Circuit of County Courts Dade County, Florida
Thomas, Robert	Georgetown School of Business
Turner, Ted	Time Warner
Weiner, Scott	Ballard Power Generation

BREAKOUT THREE
CONFERENCE ROOM 3

William Richardson
Ambassador to the U.S. Mission to the United Nations

Todd Stern
Assistant to the President and Staff Secretary

Notetaker: *Melinda Kemble*

Bonsignore, Michael	Honeywell Corporation
Buckman, Fredrick	Pacific Corporation
Dushaw, James	International Brotherhood of Electrical Workers
Ehrlich, Everett M.	ESC Company
Fri, Robert	National Museum of Natural History
Fuller, Kathryn	World Wildlife Fund
Gatto, Stephen	BC International, Inc.
Hausker, Karl	Center for International and Strategic Studies
Kagbo, Robert	Associated Consultants, International
Levinson, Richard	American Public Health Association
Molina, Mario	MIT
Schwartz, Rabbi Daniel	National Religious Partnership for the Environment
Stavins, Robert	John F. Kennedy School of Government, Harvard University
Symons, Joanne L.	Symons Public Affairs, Inc.
Thorn, Terence H.	Enron Corp.
Weiss, Edith Brown	Georgetown University
Yeselson, Richard	Industrial Union Dept., AFL-CIO

BREAKOUT FOUR
CONFERENCE ROOM A

James B. Steinberg
Deputy Assistant to the President for National Security Affairs

J. Brian Atwood
Administrator
Agency for International Development

Notetaker: *David Hales*

Chandler, William Upton	Pacific Northwest National Laboratory
Christiansen, Rev. Drew S. J.	U.S. Catholic Conference
Dillion, Dr. Thomas	Science Applications International Corp.
Esty, Daniel	Yale Center for Environmental Law
Greenbaum, Daniel	Health Effects Institute
McDonald, Gail	Global Climate Coalition
Murphy, Dale	Georgetown University
Panayotou, Theodore	Harvard University
Pope, Carl	Sierra Club
Sant, Roger	AES Corp.
Schmalensee, Richard	MIT Sloan School/ Center for Energy & Env. Policy Research
Shaffer, Gails	Business and Professional Women/USA
Shavel, Ira	Putnam, Hayes, & Bartlett, Inc.
Solt, John Charles	Catalytica Combustion Systems, Inc
Stempel, Robert C.	Energy Conservation Devices, Inc.
Trexler, Mark C. Dr.	Trexler & Associates, Inc.
Wilhelm, Paul J.	USX Corporation
Willrich, Mason	Energy Works

BREAKOUT FIVE
CONFERENCE ROOM B

Carol M. Browner
Administrator
Environmental Protection Agency

Kitty Higgins
Deputy Secretary
Department of Labor

Notetaker: *David Gardiner*

Becker, George F.	United Steelworkers of America
Codey, Lawrence	Public Service Electric & Gas Co.
Coffman, Vance D.	Lockheed Martin Corp.
Daigle, John Douglas	Coalition to Restore Coastal Louisiana
Deavenport, Earnest W. , Jr.	Eastman Chemical Co.
Freeman, S. David	L.A. Dept. Of Water & Power
Gieszl, Yale	Toyota Motor Sales USA, Inc.
Hemminghaus, Roger R.	Ultramar Diamond Shamrock Corp.
Jachowski, Kathleen P.	Federated Women in Timber
McKibben, Bill	Author
Repetto, Robert	World Resources Institute
Ringo, Jerome C.	Progressive Resources Inc./ National Wildlife Federation
Roberts, Cecil	United Mine Workers of America
Roy, Ellen	Intercontinental Energy Co.
Smith, David	Public Policy Department, AFL-CIO
Sweeney, John	AFL-CIO
Tucker, Connie	Southern Organizing Committee
Wilburn, Susan	District of Columbia Nurses Association
Yergin, Dr. Angela	Georgetown University

BREAKOUT SIX
CONFERENCE ROOM C

Dan Tarullo
Assistant to the President
for International Economic Policy

Richard Rominger
Deputy Secretary
Department of Agriculture

Notetaker: *Charlie Rawles*

Burton, Bradley	AFL-CIO
Cassidy, Dr. John	United Technologies Research Center
Cooper, William	Georgetown University
Correll, Pete	Georgia Pacific Corp.
Davis, William E.	Niagra Mohawk
Edmonds, James	Battelle
Gelbspan, Ross	Author
Holdren, Dr. John	Harvard University
LeMaster, Lynn	Edison Electric Instititute
Matson, Pamela	Stanford University
Montgomery, Brad	National Future Farmers of America
Neumaier, Gerhard	Ecology and Environment, Inc.
Nordhaus, William	Yale University
Perkins, Jane	AFL-CIO
Ris, Howard "Bud"	Union of Concerned Scientists
Roen, Nancy H.	Florida Power & Light Co.
Schlickeisen, Rodger	Defenders of Wildlife
Schwartz, Frederick A. O. Jr.	Cravath, Swaine & Moore
Shields, Frank W.	Oregon State Legislature
Sloterbeck, David	US Fuel and Security, Inc.
Wayburn, Laurie	Pacific Forest Trust
Wood, Randy	Nebraska Department of Environmental Quality

BREAKOUT SEVEN
CONFERENCE ROOM F

Federico Pena
Secretary
Department of Energy

Dwight P. Robinson
Deputy Secretary
Department of Housing & Urban Development

Notetaker: *Dan Reicher*

Andlinger, Merrick	Pure Energy Corporation
Bates, Richard Brent	SONAT Energy Services
Boyce, Gregory H.	Kennecott Energy Co.
Casten, Thomas	Trigen Energy
Colvin, Joeseph	Nuclear Energy Institute
Dorsey, Herman Sherwood, Jr.	American Association of Blacks In Energy
Edelin, Ramona	National Urban Coalition
Friedman, Robert	The Heinz Center
Frishberg, Ivan	Pirg's Higher Education Project
Garcia, Gustavo L.	City of Austin, Texas
Helme, Edward	Center for Clean Air Policy
Johnson, David	Ohio Public Utilities Commission
MacGillis, Brandon	Ozone Action
O'Sullivan, Brian Jack	Cannon Power Corp.
Smith, Dickinson	PECO Energy Co.
Weiss, Charles	GeorgetownUniversity
Yeager, Kurt Eric	Electric Power Research Institute
Yost, Nicholas C.	Sonnenschein Nath & Rosenthal

BREAKOUT EIGHT
CONFERENCE ROOM G1

Daniel R. Glickman
Secretary
Department of Agriculture

George Munoz
Director
OPIC

Joe Duffy
Director
USIA

Notetaker: *Rafe Pomerance*

Adams, John	Natural Resources Defense Council
Barron, Eric J.	Penn State University
Barrows, Edward	Georgetown University
Beder, Michael	US Fuel and Security, Inc.
Bently, Holly	National Future Farmers Organization
Bryant, Robert	Golden Spread Electric Cooperative
Gangloff, Deborah	American Forests
Hankins, Grover	Thurgood Marshall School of Law, Texas Southern University
Hirshberg, Gary	Stonyfield Farm, Inc.
Kamp, John Benjamin	Sierra Student Coalition
Kelly, Robert C.	Enron Renewable Energy Corp.
Mayben, William R.	Nebraska Public Power District
McIntire, Lee A.	Bechtel Systems & Infrastructures, Inc.
McKelvey, John	Midwest Research Institute
McLain, Philip	National Association of Wheat Growers
McWhinney, Robert T. Jr.	Stone & Webster Management Consultants
Micheletti, Thomas A.	Northern States Power Company
Swenson, Leland H.	National Farmers Union
Tooman, Connie	Pioneer Hi-Bred International
Whilhite, Donald	National Drought Mitigation Center, University of Nebraska

BREAKOUT NINE
CONFERENCE ROOM G2

Bruce Babbitt
Secretary
Department of the Interior

Robert Mallet
Deputy Secretary
Department of Commerce

Notetaker: *Jeffrey Hunker*

Anderson, Ray	Interface, Inc.
Bell, Hays R.	Eastman Kodak Co.
Blinder, Alan S.	Princeton University
Conlon, P. Gregory	California Public Utilities Commission
Davis, William E.	Niagara Mohawk Power Corporation
Hansen, Paul W.	Izaak Walton League of America
Marvin, Michael	Business Council for Sustainable Energy
McElroy, Michael B.	Harvard University
McKelvey, John	Midwest Research Institute
McNeill, John	Georgetown University
Parkin, Rebecca, PhD	American Public Health Association
Peterson, Ralph R.	CH2M Hill Companies, Ltd.
Rising, Nelson C.	Catellus Development Corporation
Rosenbusch, Corey Shane	National FFA Organization
Smith, Mary Ann	Chicago Alderman and ICLEI Executive Committee
Starling, Raymond	National FFA Organization
White, Alice Kernick	NAACP
Yergin, Daniel	Cambridge Energy Research Associates

BREAKOUT TEN
CONFERENCE ROOM G3

Janet L. Yellen
Chair
Council of Economic Advisers

John Garamendi
Deputy Secretary
Department of Interior

Notetaker: *Mark Mazur*

Adcock, J. Patrick	EIC
Butler, Jolynn Barry	Public Utilities Commission of Ohio
Carton, Jean	Garden Club of America
Childress, Mark	Environmental Working Group
Earl, Anthony S.	Center for Clean Air Policy
Engelhardt, Irl F.	Peabody Holding Company, Inc.
Freer, David	Pacific Enterprises
Krupp, Fred	Environmental Defense Fund
Linden, Eugene	Author
Malin, Clement B.	Texaco Inc.
Mathews, Jessica Tuchman	Carnegie Endowment for International Peace
Mintzer, Irving Martin	Global Business Network
O'Leary, Hazel R.	O'Leary & Associates, Inc
O'Lesko, Kathy	Georgetown University
O'Neill, Paul H., CEO	Alcoa
Risser, Paul G.	Oregon State University
Trenberth, Kevin	National Center for Atmospheric Research
Uehlein, Joseph	Industrial Union Dept., AFL-CIO
Walsh, Michael	Consultant
Zinn, Kenn	AFL-CIO

BREAKOUT ELEVEN
CONFERENCE ROOM G4

Rodney E. Slater
Secretary
Department of Transportation

Dirk Forrister
Director
White House Task Force on Climate Change

Notetaker: *Sherri Goodman*

Comer, Clarence C.	Southdown, Inc.
Deland, Michael	American Flywheel Systems
Donohue, Jeannette	Cone Communications
Fani, Robert	Brooklyn Union
Fehringer, Rachel	National FFA Organization
Florio, James J.	Florio & Perrucci, P. C.
Good, Mary	Venture Capital Investors
Gordon, Harry	Burt Hill Kosar Rittlelmann Associates
Hanson, Jaydee	United Methodist Church
Jemison, Dr. Mae	The Jemison Group, Inc.
Lembert, Robert	RAND
Levin, Peter L.	Boston University College of Engineering
Lovins, Amory Block	Rocky Mountain Institute
McBride, Timothy	Chrysler Corporation
Pestillo, Peter J.	Ford Motor Company
Rinas, David	Holnam Inc.
Snyder, Timothy	Georgetown University
Watson, Robert	World Bank
Williams, John	General Motors Corporation

BREAKOUT TWELVE
CONFERENCE ROOM H

Donna Shalala
Secretary
Department of Health and Human Serivces

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

Notetaker: *Mark Schaefer*

Crow, Michael M.	Columbia University
Epstein, Paul R.	Harvard Medical School
Galanter, Ruth	Council MemberCity of Los Angeles
Hartke, Jan Alan	Earthkind International
Henneke, Ben	Clean Air Action Corp.
Hicks, Janice	Georgetown University
Holdren, Cheryl	Energy & Resources Group
Karl, Thomas	NOAA National Climatic Data Center
Karpinski, Gene	U.S. PIRG
McBride, Dr. Andrew	City of Stamford Health Department
Morse, Steven	Minnesota State Senator
Musil, Robert	Physicians for Social Responsiblitity
Nishida, Jane	Maryland Department of the Environment
Patz, Jonathan A. MD,MPH	Johns Hopkins School of Hygiene & Public Health
Shelton, Hilary O.	NAACP
Stroebel, Carol	Children's Environmental Health Network
Woodwell, George M.	The Woods Hole Research Center

United States Department of State

Assistant Secretary of State for Oceans and International Environmental and Scientific Affairs

Washington, D.C. 20520

MEMORANDUM OF RECORD ON WHITE HOUSE CONFERENCE ON CLIMATE CHANGE

DATE: OCTOBER 6, 1997

SUBJECT: GEORGETOWN UNIVERSITY - GASTON HALL CONFERENCE ROOM 3

HIGHLIGHTS OF EXCHANGE:

- **Consensus that all countries, not just OECD, must act.**
- **Some fear about economic dislocations, job losses if policies are too aggressive.**
- **Much business support for joint implementation with credit in developing countries.**
- **Disagreement about public awareness of climate change and whether public will support action if it involves changes in lifestyle.**
- **Agreement that more information is needed in all countries to help consumers choose available climate-friendly technologies.**
- **Believe that both more information and education is needed on the problem and its technological solutions.**
- **Some think more investment in R&D is needed.**

Richardson Table

Bill Richardson: We are in the process of setting the stage; our objective is to educate the U. S. people. We hope to develop policy – move to realistic ideas – I am here because of the UN role in the climate change issue and the UN sponsorship with Japan of the meeting in Kyoto. I would like to ask Todd Stern the Assistant to the President and Staff Secretary to say a few words. Stern: My purpose, as that of all of us in these groups, is to hear from non- government participants. Bill: Perhaps we should start with the skeptics.

Stavins: As an economist, it's easy to be called a skeptic. I would characterize my views a pragmatic. Without the reality check of the Byrd amendment, we could find ourselves with the OECD countries acting alone. We would just shift production in energy intensive industries to LDCs, then, we would have higher costs and more resistance in the future to LDC action – and higher costs.

McBroom: (Byrd's staff) Senate Resolution 98 – 65 co-sponsors; the Senate only needs 24 no votes to reject to a treaty!? We were sending a signal that developing countries

must play; the Berlin Mandate is not acceptable. Some disagree on the science: some don't support binding agreements. We will look carefully at any Kyoto result.

Dushaw: Goals are commendable, but the jobs issue is important; fairness looks to who does what and when; utilities' restructuring is already eliminating jobs. Also, no focus on nuclear power even though it's CO_2 free. Energy price structure is important; green energy is more expensive. Price and reliability are most important issues for Americans. Electric utilities under regulations could contribute to R&D; but no money is available now because their revenues are declining.

Buckman: Some electric utilities want CC to disappear. Our firm, however, agrees action is needed. We are concerned, however, that we might not have a ratifiable treaty – we need LDCs - we need flexibility – credits, JI - important investments in LDCs should count – maximize resource use. If we get these mechanisms, industry can help solve the problem.

Symons: (Public relations consultant) My clients are like National Association of Female Executives (NAFE). These women are my clients, they are mostly branch bank managers (mid-level executives in mid-size firms) in small cities like Toledo. I asked them what's important about this issue? Don't understand climate change -- not clear on impact. Toxic waste is a more important environmental issue. You have no political base.

Pollack: (Michigan EPA). I disagree public is 80% pro-environment and 60% will back action? Congressional opposition is just the politics of elites; and money is the driving issue.

Boehlert: This issues stimulates a "my eyes glaze over" effect on why the economy is doing so well. I don't get people out there who care about CC. Things are going well! They say don't rock the boat.

Gilchrist: Pfisterea got attention. If we are to get public focus, we need to get to immediacy of issue; get to context – explain mechanics of global warming - this will generate some enthusiasm.

Goldston: (Boehlert's staff) The public is not there. They don't accept science – credibility needs to be built and that takes a long time, so far it's too anecdotal, then, with science you can get focus on economics. Dynamics of understanding must improve.

Nickerson: We need to demonstrate how we can act – we can get information out. We need to make clear what behavioral changes are needed.

Molina: Youth understands – generational problem – 20 years to get issue to this level. LDCs need more integrated understanding: populace understands pollution, we can use

anti-pollution strategies to get more action, not just power, stopping slash-and-burn -- agriculture is important. More investment; JI is needed.

Fri: LDCs have to grow differently; avoid the more energy rich path.

Gatto: Small technologies need to be employed. We need to get support for positive changes and not compromise jobs. Economic policy must emphasize new technology. A 15% reduction in GHC equals 400 MMT CO_2 If every vehicle used ethanol, we could get to a 35% below reduction in the transport sector alone and fuel cells, new cars would add to this. Technology is available; we have dispersion problem. Some signs of destabilization – secure access to petro-chemicals and oil is an issue for many LDCs -- China's recent investments in oil access illustrate the anxiety.

Pollack: Responsible action on global warming will not hurt Congress.

Buckman: Inform public here? No we need to do this globally. Developing countries' citizens must also understand the path to growth has options.

Richardson: Thanks very much and keep giving us your views – We want to know what you think.

Stern: This is part of the policy debate and there will be lots of meetings to discuss these comments.

Drafted: OES:MLKimble, Acting
647-3004 10/8/97

cc: USUN - Mr. Richardson
White House - Todd Stern

NOTES FROM THE SESSION CHAIRED BY BRIAN ATWOOD AND JIM STEINBERG:
Notetaker: David Hales, USAID (202 712 1750)

The session chaired by Jim Steinburg and Brian Atwood included individuals that represented a fairly broad cross-section of views, from the steel industry to the Sierra Club. Discussion was open and direct.

There was apparent agreement on several points:
* that the Conference was a valuable step, but should have been held in 1996, not 1997.
* that developing countries need to be involved in the international regime for managing greenhouse emissions.
* that some action is necessary to abate emissions.
* that the US needs to have a strategy for addressing the issue, regardless of what happens at Kyoto.
* that incentives as well as a binding target are advisable.
* that regardless of the international management regime, "early credit" for action is needed.

There was obvious disagreement on several points:
* the need for a legally binding target as opposed to voluntary actions.
* the objectiveness of the science presented in the am session.
* when and how developed countries should be brought into the regime.

The following notes summarize the discussion as it occurred:

Jim Steinberg: Opened the session by noting that he and Brian obviously had International interests, but that the session was open to full range of issues. He noted that climate change issues were national security issues from several perspectives, and invited comments on that point.

J. Brian Atwood: Noted that an open discussion was important, especially invited views that were different from those in the am session, and discussed Developing Country concerns and the need for Meaningful Targets and Effective cooperation among all countries.

Bill O'Keefe
- We're playing with wide variations of estimates here....IPCC-Range= 2-9 C in 2100
- Discussion should focus on policies and risks at various levels
- When to start = Key
  -- We're doing things now, more may be necessary
  -- Don't support high risk/low benefits

JS -- EU too far

Dick Small

- uncertainty Regarding Rate of change
- " " Impacts of change
- This is DECISION-MAKING under high uncertainty

The public will not support Action until
- there is a conviction that Climate Change is real
- Options exist -- There are low cost Alternatives
- What is lacking is clear signal in market

Whether or not Kyoto succeeds we need to start, and the US must lead unequivocally

---

Bill O'Keefe: Incentives will be more effective than regulations and binding targets.

Tom Dillion: Problem is Global, it needs Global Solution. The G-77 is the Most difficult and essential element
- Real economic incentives for smart growth
- Science is inconclusive and obscure
  --difficult to explain
-- Case is there for broad scale action on long-time scale

John Sewell: - All of Developing World is not critical to agreement
- What is the US putting on table for g-77

Problem is bounded
- Relatively few CO's are central

JS: Pres to LA (Bra, Vz)

Need to focus via bilateral agenda
US Leadership = Key
Targeted solution to specific CO's

JBA: G-77 needs Technical assistance in developing
- Alt Sources of energy
- economic growth
- Need full range of tools for supporting development, especially Credit guarantee authority.
- Need focus on transition economies.
- Largest sources of low cost progress in GHG Emissions___
- How we relate to them will determine cost of reduction

THEO: Crux = to create a Dialogue among ultimate Interests
- Environmentalists
- Industry
- G-77

Keep cost low and avoid irrelevant changes.
If US has an escape route, G-77 also needs escape route

SO2 = Wrong Model

Dan Esty: So2 to 0 - Not similar/fewer actors
- key get train on right track
- Be able to readjust targets up & down
- ensure amortization time

Roger Sant
- Refocus on concentrations
- US must provide leadership to get to 550
- low cost regardless of climate change
  - Can buy time/insurance??
- Can't afford to wait but econ. attractive alternatives exist

JS: Do the paths make a difficult to either the economic or environmental impacts?

Paul Wiltkum:

- Presentations = one sided
- Will not convince G-77 of reality
- Economics will drive the US position
- unilateral Carbon tax = wrong way to go

Mark Trex: Joint Implementation
- Regardless of Kyoto,we must move forward
- Many companies are interested in acting, but need assurance of Receiving credit
- CO2 trading infrastructure will take years to build
- Many see JI as superfluous, but JI = Real Opportunity for US technology.

Cong. McCarthy -
What can we do -- Discussion absent from Hill
Utility Reg issue offers real opportunity for discussion

G.Shaffer: Consumer Behavior
Incentives/info. = Key
particularly necessary are R &D incentives
Public Sector/Policy framework to provide incentives is lacking --

JBA:
- To G-77, incentives in G-77= reducing cost
- TA & Tech=Welcome
- JI not embraced (not clear incentives)

Theo P.
- Brazil is open for JI in Kyoto
- Flexible/least cost options
- US interest is effectiveness not just fairness; if we want "fairness, US cannot win
- a "fair and effective target/commitment for the G-77 is a reduction in Rate of Growth

WHITE HOUSE CONFERENCE ON CLIMATE CHANGE

SUMMARY OF BREAKOUT GROUP #5

CHAIRS:	Carol Browner Administrator Environmental Protection Agency	Kitty Higgins Deputy Secretary Department of Labor

NOTETAKER: David Gardiner, EPA

The comments of participants are provided in the order in which they were made in the meeting.

David Freeman of the L.A. Department of Water& Power urged the President and Vice President to but an "insurance policy" by committing to reduce carbon emissions by 2% per year. He said the technologies are there for it, and that we would save money by doing so. He said it was important for the President to "do the right thing".

Cecil Roberts of the United Mine Workers agreed that the science says that there is a problem. He said that the Berlin Mandate was a strategic error because the developing world was left out. He was "intrigued by the President's speech that morning calling for all countries to be included in an agreement. He cited UMW's own economic analysis from DRI and other sources suggesting that between 1.6 and 4 million jobs could be lost. He felt that US workers were already at a disadvantage to countries such as Mexico and China. He disagreed with those promoting emissions trading. He said that the acid rain trading program had led to mines being closed, and that international emissions trading would lead to jobs export.

George Becker of the United Steel Workers of America said that climate change was linked to NAFTA and the fast track legislation in that they all further promote the "deindustrialization" of America. He noted that Mexico already has all electric steel mills and that China was building mills solely for export, and that this would have job impacts in the United States.

Larry Codey of Public Service Electric & Gas Co. agreed with the themes which the President laid out in his morning speech. He also said that environmental considerations must be a part of the electricity restructuring process. Lower electricity prices could create an incentive to produce power at less clean facilities. He called for generation performance standards in setting clean air rules, and a program of emissions trading for greenhouse gases. He noted that his firm had already committed to reduce their emissions 10% below their 1990 levels by 2000 as part of the Climate Challenge program, and was working with the Environmental Defense Fund to "bank" those emissions.

Ellen Roy of Intercontinental Energy Co. urged the President to pick the targets and timetables for greenhouse gas emission reductions very carefully. She also warned that it would be important to design policies which favored new technologies over existing technologies. She pointed out that some policies under the Clean Air Act have applied tough standards to new

plants rather than existing plants, thereby creating an incentive to keep existing, high polluting plants operating. She also called for an international approach. She said that restructuring of the domestic utility industry would allow the U.S. to meet both economic and environmental goals.

Yale Gieszl of Toyota Motor Sales USA, Inc. noted that his company was already developing technologies, such as hybrid electric vehicles and fuel cells, which could reduce greenhouse gas emissions from automobiles. His company has taken no position on Japan's target and timetables. He urged that the U.S. position: be commercially feasible, including no CAFÉ regulation; look at tradeoffs with other objectives such as safety and the need to reduce other pollutants; take an international approach; and, that the regulatory demand not exceed the public's demand for action.

Earnest W. Deavenport of Eastman Chemical and the National Association of Manufacturers said that the science and the economics of global warming are both compelling. He called for a level playing field, in which the developing countries were equal to the developed countries. He said that targets and timetables must be realistic, and expressed uncertainty about international emissions trading as an effective mechanism.

William McKibben, the author, expressed concern that delay is a problem, and that we must act. He noted that several years ago those concerned about the problem had talked about avoiding a doubling of carbon dioxide in the atmosphere, and that now it seemed as if it might be our be our best possible case.

John Daigle of the Coalition to Restore Coastal Louisiana expressed his concern that Louisiana is already losing lots of land, and that this could worsen as sea levels rise with global warming. He also noted that Louisiana is economically dependent on oil and gas production which may contribute to the problem, and that this presented some difficult choices for his state.

Dr. Angela Yergin of Georgetown University urged regional action, such as among nations of North America, if a truly international measure could not work.

Susan Wilburn of the District of Columbia Nurses Association expressed her concern for the need for environmental protection. She also noted that efforts to reduce greenhouse gases, such as improving the efficiency of buildings which may worsen indoor air pollution, may have unintended public health consequences.

BREAKOUT SIX
CONFERENCE ROOM C

Dan Tarullo
Assistant to the President for International Economic Policy

Richard Rominger
Deputy Secretary of Agriculture

Notetaker: Charlie Rawls

Mr. Tarullo opened the session and suggested that participants might focus their comments by first thinking about how they might have provided a different answer to any of the questions posed by the President or Vice President during the morning plenary.

Ross Gelbspan (Author) spoke first and said that one thing that was possibly overlooked in the morning discussion of policy options for addressing the climate change issue is the $2 Trillion revenue stream generated by the energy industry. He further clarified that a tax or other mandate might be used to improve energy efficiency or to reduce carbon emissions. Last, Mr. Gelbspan said that there is currently a $25 Billion subsidy for the petroleum and coal industries. He said that these funds would be better spent on technology programs to improve energy efficiency and to reduce greenhouse gas emissions.

Mr. Tarullo responded to clarify that the Administration is most likely to seek market oriented solutions to the climate change problem, and not regulatory or taxed based solutions.

William Nordhouse (Yale University) said that he had been thinking about the President's question about why more of the lightbulbs in the White House are not of the energy efficient variety, and why more of the existing energy efficient technologies are not more widely adopted by individuals and industry firms. He noted that further thought needs to be given to the ways that we all might be encouraged to adopt energy efficient technology without raising energy prices.

Mr. Tarullo responded that often the answer in the Government world for the failure of agencies to adopt more energy efficient technology is that often the short run costs are higher and the budget cycle does not allow for the consideration of long run savings.

Mr. Bud Ris (Union of Concerned Scientists) stated his belief that everyone has short-term horizon. Further he noted that a general market imperfection is the short-term expectation.

Mr. Tarullo responded that information is the key to making markets function more

perfectly. He noted that far too often corporations are judged on their short-term performance.

Mr. Randy Wood (Nebraska Department of Environmental Quality) said that households in the median income range are important to addressing the energy efficiency question, but that far too often these families are mostly concerned with living paycheck to paycheck. Investments in energy efficient technology is not a primary concern of these families, he noted.

Mr. Ris said that the overwhelming positive experience with recycling initiatives across the country is an example of where information and voluntary programs has worked well.

Ms. Nancy Roen (Florida Power & Light Co.) said that improvements in energy efficiency will address the need for additional energy in many growing areas of the country. She noted that Florida's power needs are growing rapidly and that energy efficiency alone is not the answer. Further she said that we are presently supported by 20 percent nuclear energy and that nothing can replace this production except more plants fueled by either oil or coal. She suggested that nuclear power be considered as a bridge to a more energy efficient future. Last, she said that morning session missed an opportunity by not discussing the role that sinks, especially forests, might play in addressing climate change, as well as, in biodiversity, deforestation and other important issues.

Mr. Ris said that Wall Street has rejected nuclear power and that this is not an option.

Mr. Gelbspan suggested that additional solar power could be generated in Florida. Ms. Roen responded that energy needs in Florida will far exceed anything that can be generated through renewable sources.

Mr. Curtis Moore (former advisor of Senator Leahy), returning to the subject of energy efficient technology, said that energy efficient lightbulbs are not widely available at stores where most people shop. For business firms, he noted that there is often a disconnect from those who know about energy efficient products and those who buy products for use in the firm. Further, he said that the market is not efficient and that government mandates must drive the market to find efficient solutions. He noted the successful acid rain and ozone programs as good examples. He said that we should also be focused on making our existing power generation system more energy efficient.

Mr. Tarullo responded and noted that the Administration understands that market oriented solutions are brought about by policy changes made by Government.

Ms. Laurie Wayburn (Pacific Forest Trust) stressed the importance of forest resources as a key to the solution. She noted that current harvesting technologies account for a carbon loss of 30 percent. She said that longer rotations can sink more carbon. The U.S. should lead the forest carbon sequestration effort since we have the best forest resources in the world. This is a cheap way to reduce carbon in the atmosphere at only $5 to $25 per ton, she said.

Mr. Pete Correll (Georgia Pacific Corporation) said that old growth forests are net carbon

emitters and this would argue for shorter rotations. He also said that paper recycling generates carbon emissions, and that paper in landfills is a carbon sink. He suggested that we have high carbon emissions because oil and gas are too cheap.

Mr. Frank Shields (Oregon State Legislator) said that the example set by the carbon reductions in Oregon would indicate that more can be done than people might think. He said that a 17 percent reduction was mandated by the Oregon Legislature without a major controversy. He noted that one power plant alone has reduced emissions by 30 percent.

Mr. Nordhouse, returning to the subject of how we might get people to act to reduce emissions or adopt more energy efficient technology, suggested that only price changes can drive real behavior changes. He noted that dramatic changes were adopted once prices of CFCs went from $1 per pound to $10 per pound.

Ms. Lynn LeMaster (Edison Electric Institute) responded that flexibility must be allowed in any proposed climate change solutions. Further she said that voluntary, information based solutions have not been given a chance to work.

Mr. John Cassidy (United Technologies Research Center) said that only price changes will be effective. Further, he said that unless the basic economics of certain activities change, the competition for capital will be lost. He noted that Vermont is now the largest exporter of nuclear produced power.

Ms. Wayburn said that if you want people to eat carrots, you first need to have a few sticks.

Mr. Tarullo and Mr. Rominger thanked everyone for their participation and the session was closed.

White House Conference on Climate Change: Breakout Seven

Highlights of Exchange:

- **Great variety of approaches to Climate Change were discussed**
- **Technology is critical; need broad portfolio of energy options**
- **Need to work with developing nations**

Secretary Peña

- Reviewed remarks from this morning... looking for input.

Brian J. O'Sullivan, Cannon Power Corp.

- In order to reduce CO_2 need to mix renewables in. Need a Renewable Portfolio Standard in restructuring legislation. Federico Peña: How do we encourage renewables? Answer: 1. Need federal support; 2. Keep utilities "off our back."

Gustavo L. Garcia, City of Austin, TX

- Introduced document re: carbon reduction strategy. Need to spend real $ on conservation. Need local education strategy -- personalize the problem for real people. Joined the Cities for Climate Change Campaign.

Merrick Adlinger, Pure Energy

- Can make fuels from waste materials but it is difficult to get consumers to purchase.

Nicholas C. Yost, Sonnenschein Nath & Rosenthal

- China as paradigm -- industrializing and people want better lives. How the energy system responds is key. We can't tell China what to do/what not to do. Instead we need a "global bargain," i.e., developed and developing -- each must do its part.

Thomas Casten, Trigen Energy

- For power generation, determine net fossil carbon/energy unit and structure a tax based on this and reduce target by 4% per year. Could develop a similar approach for transportation.

Kurt E. Yeager, Electric Power Research Institute

- Too often, proponents of each solution put down the other. We need a portfolio approach. Need a "road map" for development of these technologies. Need info for public.

Edward Helme, Center for Clean Air Policy

- Developing countries = key. Give them a target based on carbon per unit of GDP. Let GDP increase but reduce carbon as a proportion.

David Johnson, Ohio Public Utilities Commission

- Joint Implementation (J.I.) is key. Other countries need to buy in. Described Ohio J.I. project which involves planting trees with sister entity in Japan. Point: Could replicate this in every U.S. state. Also, Ohio P.U.C. has docket which gives Cincinnati Gas & Electric credit for its Belize project.

Robert Friedman, The Heinz Center

- 5-Lab Study was excellent report. But technology policy in the report was government R&D. Also need government procurement and government partnerships etc. Need market-based approaches but also need standards/regulatory approaches. Also regulatory/trading hybrids.

Dickinson Smith, PECO Energy Co.

- Nuclear is important. Big issue is plants going off line. Administration needs to be more supportive of nuclear including high-level waste bill.

- Re: China – will develop nuclear but U.S. companies are frozen out. Need to get access for U.S. industry.

Gregory H. Boyce, Kennecott Energy Co.

- Re: permit trading, especially SO_2. Remember that SO_2 trading began with legally binding limit and then switched to low-sulfur coal. This resulted in "over-compliance." Will be more difficult to establish CO_2 trading internationally.

Helme

- Treaty will set the limits.

Ivan Frishberg, PIRG's Higher Education Project

- Will be difficult to explain to students why we can't meet relative strict targets and timetables.

Yeager

- Former Soviet Union, with its failing economy, has done a "great" job of dealing with carbon. Tells us to be careful how we fix problem.

Charles Weiss, Georgetown University

- President gave us vision on how to get from here to there. Opposition is giving a very negative vision. Opposition view is based on stagnant technology.

Joseph Colvin, Nuclear Energy Institute

- Global issue; keep this in mind. Need to provide flexibility and credits. Voluntary programs have been very productive. Need credit for productive activities.

Richard B. Bates, SONAT Energy Services

- Health effects are not being attended to.

Breakout Seven Participants:

Federico Peña, Secretary, Department of Energy
Dwight P. Robinson, Deputy Secretary, Department of Housing & Urban Development
Merrick Andlinger, Pure Energy Corporation
Richard Brent Bates, SONAT Energy Services
Gregory H. Boyce, Kennecott Energy Co.
Thomas Casten, Trigen Energy
Joseph Colvin, Nuclear Energy Institute
Herman Sherwood Dorsey, Jr., American Association of Blacks in Energy
Ramona Edelin, National Urban Coalition
Robert Friedman, The Heinz Center
Ivan Frishberg, PIRG's Higher Education Project
Gustavo L. Garciaa, City of Austin, Texas
Edward Helme, Center for Clean Air Policy
David Johnson, Ohio Public Utilities Commission
Brandon MacGillis, Ozone Action
Brian J. O'Sullivan, Cannon Power Corp.
Dickinson Smith, PECO Energy Co.
Charles Weiss, Georgetown University
Kurt E. Yeager, Electric Power Research Institute
Nicholas C. Yost, Sonnenschein Nath & Rosenthal

NOTES FROM RAFE POMERANCE AT WHITE HOUSE CONFERENCE AT GEORGETOWN

SUMMARY

Focus in group eight was on several different issues:

1. Emission reductions through forests and other agriculture offsets were seen as inexpensive and available.

2. President was applauded for his leadership in holding the event.

3. A debate took place on whether or not the American people and policy makers had moved beyond "the science". More education was called for.

4. The members of the group discussed lack of counterweight of and ad campaigns being organized by opponents of the Treaty.

5. The issue discussed in greatest depth was the government's failure to secure facilities for nuclear waste. This is leading to the shutdown of viable nuclear units and thus exacerbating the problem. Great concern was expressed over the potential impacts of waste disposal on people of color because of siting issues. Failure to resolve the nuclear waste issue was seen as an indicator of lack of seriousness on the part of government.

6. A debate also occurred on the issue of US leadership and unilateral action. Some thought we should lead by example; others thought that simultaneous developing country action was critical.

7. Participants discussed and debated whether or not the U.S. could live with higher costs imposed by regulation and higher prices. Some asserted that we succeeded well in such as environment. Others were concerned about increased costs particularly to agriculture.

8. Strong support was articulated for joint implementation and forest conservation as methods for reducing emissions.

9. Calls for lower personal consumption and greater focus as the potential for energy efficiency in the industrial and manufacturing sector based on success stories were called for.

Notes by Pomerance

Session started with the Chair Glickman commenting on the potential for sequestration of carbon through planting of switch grass. Representative of Stonyfield Corporation focused on how inexpensive it was to offset its emission through the Oregon Resources Forest Trust. He proposed taxing waste (i.e. carbon) not production. His offsets through forestry were costing his company $6,000 a year and therefore the U.S. could stabilize its emission at low cost.

Enron representative applauded President for taking on the issue. Major priority for climate was getting real prices for energy. Otherwise the private sector will not move. Bilateral relations with China were key. USIJI could guide investment strategies for China. NRDC Representative praised President's initiative. He will not win a popularity contest for this.

Monsanto representative troubled by money being invested to cripple the U.S. effort and the Administration's work . Counter pressure was required. Monsanto refused to sponsor the ads.

Stone and Webster responding to NRDC warned that many people were not convinced, but could be.

Les McIntyre -- average public not convinced, the issue has come on too fast. Public confused by arguments in the press.

Northern State Power – Government lacks credibility, tough decisions must be made, i.e. on nuclear power, NSP must shut down 2 units prior to expiration of licenses because of failure to resolve the waste issue. He wanted to see action, not rhetoric which ends up reducing trust.

Representative from Thurgood Marshall School of Law complained that nuclear waste facilities were often stored near communities of color. He was opposed to further nuclear power generation.

Northern State rep reported that huge problems will be caused by loss of the units. (He mentioned that NSP is currently building 400 mgw of wind and biomass plants). Waste storage, he said would not be a problem for people of color because it would be stored in Nevada.

Representative from Thurgood Marshall Law School said that Louisiana and Texas had sited for storage in the neighborhood of people of color. We are also importing wastes from 40 countries which we don't know what to do with.

Wheatgrower - Stated his desire to act if, others act, but not alone. He was concerned that increased costs could reduce productivity of agriculture at a time of global population explosion.

Representative from Nebraska Public Power Distrust queried as to what developing countries will do. Reiterated the need for resolution of the spent fuel issue.

Representative from US Fuel and Security reviewed his proposal for resolution of the spent fuel problem through a partnership with the Russians.

Representative Sam Farr - disagreed with others on the State of public opinion Communities are leading. We are missing the local and state agendas. Despite all health and safety standards and lacks of subsidy for water, agricultural producers are doing well. We must lead, we do well in our regulatory environment and must bring others up to our standard.

Representative from Senator Lugar supported key aspects of Administration policy protection of forests and joint implementation. Agriculture can be a positive factor around the world.

American Forest remarked on development of sinks was supportive of joint implementation.

Sierra Club representative remarked that we simply consumed too much and that lifestyles would have to change.

Stonyfield Representative focused on their successes in delivering energy use 9-15 years. We must work against disinformation campaigns and show successes in improvements of energy efficiency.

Enron - JI is essential to deal with China. He also believes that electricity deregulation may give consumers a choice that consumers will choose clean fuels.

Nebraska Power Representative pointed out that this new power plan had a 30% improvement on efficiency. De-regulation of the sector will drive efficiency and therefore drive down CO_2 emission.

Monsanto inquired as to whether their was a coalition of business supporters.

Sam Farr suggested changes in the tax structure to speed depreciation. Farr advised that the agreement must be fair and equitable, can't disadvantage us competitively. Developing countries could follow.

Pioneer Hi Bred - Multinationals must show leadership. Technology and know how just isn't available in developing countries.

Stonyfield - We need to lead by example.

Enron - need for fair and equitable solution.

Debate over whether energy costs would harm agricultural productivity; is organic productivity too low for the world's growing population? Organic could take us backward. (wheat growers)

Natural Farmers Union - We are afraid of higher costs of living.

JEFFREY HUNKER

Summary of Breakout Session Nine

Secretary of the Interior Bruce Babbitt
Deputy Secretary of Commerce Robert Mallet

Discussion Highlights

- An explicit domestic price signal to motivate change was supported by some in the group;

- There are both differences and similarities between an energy tax and a cap and trade system as a means of motivating domestic action;

- Getting commitment to action by developing countries is critical, but it is not obvious how we can convince developing countries to adopt a different development path than the one that we have followed. Assistance packages may play a role;

- The choices made in electricity restructuring will have important implications for climate change policy, and the two agendas should be integrated;

- Significant opportunities exist within the US economy for energy efficiency improvement;

- An explicit technology policy needs to part of any package of actions; this policy has export, competitiveness, and economic benefits as well;

- The political difficulties of coming to terms with this issue were recognized by many in the group, as well as a sense of frustration that the science had not already compelled a vigorous response by the US;

- Climate change needs to be thought of at the community level (e.g.: in terms of transportation choices) as well as at a national level.

Individual Comments

Anderson: Great efficiency improvement opportunities exist in the US economy. Amory Lovins is 'our efficiency guru.'

The President should announce a 'Marshall Plan' to assist developing countries in reducing greenhouse gas emissions as they develop.

Bell: The Kyoto agreement should include all countries. A tradeable permits system needs to be international. A carbon tax would face design issues that need to be worked out. Above all, don't jeopardize US companies in the

world market.

Baker: The US needs to show developing countries that they can continue to grow in line with their expectations, but using technologies that don't pollute.

Blinder: A cap and trade system is close to an energy tax (in its impact).

The climate change issue is challenging, presenting the difficulty yet the necessity of precommitment. This aspect makes the issue difficult both domestically and internationally.

An approach where developed countries commit to action first, followed later by developing countries, is the right principle, but how do you implement and enforce it?

There is a need to convince developing countries that their future path need not be the same as ours.

Conlon: Any cap and trade system needs to recognize the outstanding investments already made in energy efficiency and renewables by the power sector.

Aren't the Chinese already using the most modern technologies already? What do we want China to use for technologies?

The California zero emissions experience provides a cautionary example. Renewables are costly energy sources -- 50% above the national average. Consequently, the average California family pays $15-20 more a month in electricity bills because of the zero emissions policy.

A key problem is that the US power infrastructure is 50 years old. New technologies are 30% more efficient. How much longer are we going to continue to operate with an old infrastructure?

Importance of looking at the relicensing or replacement of the nuclear plants as they age. How will this carbon-free capacity be replaced?

Davis: Domestically, he prefers a cap and trade system over a command and control approach.

The US position should include differentiated targets, and a program of assistance for developing countries.

Hansen: What position is the US going to take in Kyoto? Given the strength of the scientific case presented in the morning, why is it that it seems that the US position will be less strong than the Europeans?

We need to deregulate the electricity sector, and introduce competition. The example of other deregulated industries shows the benefits of competition.

McElroy: Why aren't energy efficient technologies already in widespread use in the market? The reason is the lack of a price signal -- energy prices are so cheap in the US. We need a tax system that will provide this signal.

In the 1970's, faced with high energy prices, Harvard made enormous improvements in its energy efficiency.

Having just returned from China, he recognizes the difficulty of getting commitments from China, but the fact that it is absolutely critical domestically. Chinese commitments will only happen through the personal diplomacy of the two Presidents.

The US used to have the lead in windpower and other new energy technologies. Now -- who does? The Europeans.

The political issues surrounding climate change are difficult. This means we need a comprehensive agenda, including a revenue neutral tax to increase energy prices, proposals for new spending, and adjustment assistance.

For China, there are a wide range of technologies and actions that they can follow. Natural gas is one. Coal gasification is, however, a very 'over-hyped' technology.

Peterson: How do we convince the lay public of the need for energy efficiency?

We should focus on the issue of what can we get the developing countries to agree to. He recommends setting efficiency standards for new investment, setting the metric now, and allowing increases in absolute emissions for developing countries so long as the investment is at world standards for efficiency.

In any technology policy, there is a need to balance between 'supply-push' and 'demand-pull.' There is a need for a pricing mechanism to create the demand pull, augmented by a supply side technology policy.

Smith: As a Chicago alderman, she represents a community at 'ground zero' on this issue. The inability to restore mass transit for her community creates pollution and congestion problems and to her shows the local nature of the climate change issues.

Developing countries need to learn from the mistakes that we made.

MARK MAZUR

Lunch Breakout Session - Chaired by Janet Yellen & John Garamendi

Janet Yellen started off with a general introduction, noting that this breakout session was part of the President's plan to have a dialogue with the American public. These remarks made it clear that not all aspects of the Administration's climate change policy have been determined, in particular, decisions regarding targets and timetables have not yet been made.

The floor was then opened up to the attendees.

The first comments was from Anthony Earl (Center for Clean Air Policy), who said that the time to begin to establish a market for carbon trading is now in order to place a market price on carbon emissions.

A follow-up point was made by Clem Malin (Texaco) who noted that permit trading is a market mechanism and could be economically efficient. However, he cautioned that the sheer size of the potential CO2 market compared to the SO2 market makes direct comparisons difficult. He also noted that establishing an international carbon market would be an enormous challenge.

Irving Mintzer (Global Business Network) noted that the challenges of implementing a global carbon market are enormous; and therefore it might make sense to start this market in the U.S. as a test case of how this market might work worldwide.

Fred Krupp (Environmental Defense Fund) said that the flexibility inherent in a permit trading system makes it less likely that policymakers, firms, and individuals people will make major economic mistakes. In response to claims from others that international emissions trading would be difficult because it would require monitoring of trades, he noted that an emissions monitoring system is needed for checking compliance with legally binding targets and that the same system could be used to monitor trading. He also argued that firms undertaking actions to reduce emissions prior to the onset of legally binding targets should benefit in the form of early emissions credits. He ended by saying that the Climate Challenge Program (sponsored by DOE) that has companies voluntarily reporting emissions reductions could serve as a model for granting early credit.

Ken Zinn (AFL-CIO) stated that a tradeable permit system is equivalent to a carbon tax. He noted that policymakers often ignore the human cost of programs, such as the SO2 permit program, which resulted in many high-sulfur coal mines being shut down. When these mines closed, the effects reverberated through many coal mining towns. He was skeptical about developing countries being full participants in the international effort to reduce greenhouse gases (GHGs). He stated that if the global goal is to keep carbon dioxide concentrations under 550 parts per million, then the agreement needs to include at least the major developing countries.

Earl Englehurst (Peabody Coal) said that it is a sign of extreme confidence for a government to think they can regulate the weather. He continued with a look back at past mistakes, for instance, government policies to encourage businesses to switch away from natural gas and programs to support the development of synfuels. He said that taking big steps in the name of climate

change could be the equivalent of the synfuels program, but on a much larger scale. U.S. policies to help improve the economies of developing countries can pay big environmental dividends, because as living standards rise, people demand more environmental benefits.

Clem Malin (Texaco) observed that policymakers should act more like business executives and realize they are making decisions under uncertainty. They should not overcommit themselves to a target/timetable now, but should move slowly and adjust positions as the underlying science improves. He argued that Annex I countries should agree only to a provisional goal for emissions reduction, perhaps contingent on developing countries taking on "appropriate commitments" (not specified). This strategy could allow negotiators time to work out the details of international emissions trading and joint implementation (JI).

Janet Yellen interjected that the President has made it clear that developing countries must participate fully in an emissions reduction agreement. Moreover, the President has rejected the EU proposal for emissions 15 percent below 1990 levels by 2010 as unrealistic.

Jean Carton (Garden Club of America) said that the U.S. has an opportunity to impose higher gasoline taxes and carbon taxes on consumers and to use the revenues generated to develop alternative fuels. She stated strongly that climate change is a serious issue.

Paul O'Neill (Alcoa) stated that he found the idea of trading emissions permits internationally to be problematic. He used the example of Norway, a country that has extensive hydropower and natural gas resources, and that wants to develop energy-intensive industries, as an example of a country that does not want emissions trading.

This claim caused some confusion, with some participants finding it difficult to see why Norway, with relatively cheap and abundant and relatively clean energy, should oppose a international emissions trading system that would appear to provide them with an advantage. Clem Malin (Texaco) noted that Australia and Norway have argued for differentiated targets and that this might be incompatible with international emissions trading.

Fred Krupp (Environmental Defense Fund) noted that history shows that the economy can grow as CO2 levels are reduced. He made the analogy to growing GDP while SO2 levels declined. He also noted that a flexible market system is more likely to benefit coal than a command and control policy.

Eugene Linden (author) said that smaller temperature changes than those discussed by the scientists have "brought down past civilizations". He noted that the political dimension of the climate change problem is much more difficult than technology. He then argued for a regional "bubble" (e.g. North America) as an additional flexibility tool. He ended by noting that business predictions of great harm are always made and often are proved wrong.

Kevin Trenberth (National Center for Atmospheric Research) said that in the absence of action on GHGs, the projected rates of climate change are completely outside of anything people have experienced in 10,000 years. He said that he expects to see the world surge through two times

the pre-industrial CO2 level unless GHG emissions are slowed. He argued that the most important thing to do now is for the world to take a step in right direction and not necessarily set rigid targets.

Jolynn Butler (Ohio Public Utilities Commission) said that utility regulators want to see a flexible emissions reduction program, where developing countries are full players. She noted that Ohio regulators have already approved some JI projects (basically tree-planting) for their utilities.

Mark Childress (Environmental Working Group) asked "What does it mean for developing countries to be involved"?

Janet Yellen responded that the President's goal is that developing countries fully participate in the emissions reduction effort, but he has not yet articulated a specific proposal. Almost certainly, developing countries would not have the same target as developed countries, but they would have to do something.

Patrick Adcock (EIC) said that he works on small (40 Mw and lower) JI projects around the world but he is finding it increasingly difficult to raise financing because private sector companies often cannot see the benefits of engaging in JI. He stated that it would be easier to support these projects of there was some price placed on carbon reductions.

Anthony Earl (Center for Clean Air Policy) said that the Administration should not use PNGV diesels to address global warming because they emit particulates that can be harmful. He stated his support for increased CAFE standards for light trucks.

Time ran out on further discussion.

SUBJECT: White House Conference on Climate Change -- Summary of Discussion in Breakout Group Eleven

Rodney Slater, Secretary of Transportation and Dirk Forrister, Director, White House Task Force on Climate Change co-chaired the group. Overall, I heard three main themes in our session which largely represented the Transportation sector:

1. Many opportunities for improving energy efficiency exist if we identify and remove current market failures and improve information.
   a. Electric cars and energy efficient light bulbs save energy and are cheaper but are not selling.
      - Amory Block Lovins (Rocky Mountain Institute) : identify market failures and turning them into business opportunities.
      - Peter Pestillo (Ford): need for incentives—close the price gap.
      - John Williams (General Motors): lower cost of electric vehicles from $550/month to $399/month as a consumer incentive.
      - Amory Block Lovins (Rocky Mountain Institute): rebate on cars based on a delta in energy efficiency.

   b. Jim McCauley (Michelin) stated that product labeling can help by improving consumer information—consumers need to understand their options in selecting goods.

2. Incentives are needed to promote some energy efficient technologies such as fuel cells, concrete housing, ultra light rail. PNGV can be a model for promoting energy efficient technology development with the private sector. Adoption of new technologies can be accelerated if Government will assume technical risk for initial demonstrations.
   - Amory Block Lovins (Rocky Mountain Institute): need to make a better vehicle—to make a technology leap. Focus on *ultralight rail. Suggested that government (Department of Transportation) assume some risk as incentive for private investment.* Example—EPA wastewater treatment technology program.
   - Michael Deland (American Flywheel Systems): focus on fuel cells/other technologies.
   - Timothy McBride (Chrysler): PNGV is a model for other industries. Suggested U.S. focus on this approach as opposed to targets and timetables.
   - Robert Lembert (Rand): consensus on the climate change is possible if question is reframed--U.S. pledge to R&D and regulatory reforms rather than emissions decreases.

3. Sustainable development must include emphasis on city planning and urban congestion. Mass transportation, particularly rail, needs much more attention and investment.
   - Harry Gordon (Burt Hill Kosar Rittelmann Associates) and Mae Jemison (The Jemison Group, Inc.): we need city planning that supports public transportation.
   - Robert Lembert (Rand): some urban planning options could be electric cars in car pool lanes and/or reduced price parking for electric cars. Amory Block Lovin (Rocky Mountain Institute): such a proposal in California was not approved.
   - Mary Good (Venture Capital Investors): rail transportation technology development has been neglected.
   - Clarence Comer (Southdown, Inc.): U.S. should transition from wood homes to concrete homes. Concrete is more energy efficient and only 2% more expensive.

Finally, Peter Pestillo (Ford) asserted that the biggest domestic barrier to climate change policies is the fear of economic dislocation. Other members agreed with this assessment.

Sherri W. Goodman

DRAFT

October 10, 1997

Memorandum of Record

White House Conference on Climate Change: Breakout Discussion XII

Discussion Leaders:

Donna Shalala, Secretary, Department of Health and Human Services
John H. Gibbons, Director, Office of Science and Technology Policy

Secretary Shalala and Dr. Gibbons opened the session by describing the objectives of the discussion, principally their interest in obtaining the views of participants regarding climate change issues they believe the President and Vice President should consider as they formulate the Administration's policy in preparation for the upcoming meeting in Kyoto. The discussion was generally directed to the potential impacts of climate change on human health. Three major themes emerged:

- Evidence of the impacts of climate change on the environment and human health is becoming increasingly apparent. Climate change is adding multiple stresses to an already stressed global environment.

- The public must become more aware of the threats climate change presents to human health and the environment, particularly the increased risk posed by diseases that were once confined to the tropics. Sensitive individuals, especially children, should be accounted for in the Administration's climate change policy.

- Early action and White House leadership are very important despite the scientific uncertainty associated with some aspects of the problem. The challenge is to help the public understand the near and long-term consequences of climate change–to get their attention without sensationalizing the issue.

Individual Comments and Suggestions

George M. Woodwell, The Woods Hole Research Center:

We are beginning to observe biotic feedback resulting from the release of carbon into the atmosphere. For example, altered weather patterns may be influencing the burning of peat in Indonesia which in turn releases more carbon to the atmosphere exacerbating climate change through a positive feedback process. The idea that the world can double carbon dioxide levels without serious adverse consequences is a hazardous assumption.

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Thomas Karl, NOAA National Climatic Data Center

> We don't know what the future holds with respect to climate change impacts. Consequently, we must be prepared for surprises and develop forward-looking policies that account for uncertainties.

Jonathan A. Patz, Johns Hopkins School of Hygiene and Public Health

> The concept of sustainability holds for both resources and public health. Sustainable development refers to the importance of conserving resources so that they are also available for use by future generations. Similarly, we must provide for the health of the current generation without sacrificing the well being of future generations. Addressing the climate challenge problem requires an integrated interdisciplinary approach in which ecologists, physical scientists, and public health officials are working together.

Robert Musil, Physicians for Social Responsibility:

> Human health effects must be emphasized in the national discussion of climate change and its impacts. This is not only a medical concern, but an ethical issue as well.

Carol Stroebel, Children's Environmental Health Network:

> Public health and environmental policies often focus on adults. It is important to focus particular attention on vulnerable individuals, particularly children. Heat and diseases such as cholera have a disproportionate impact on children.

Andrew McBride, City of Stamford Health Department

> The public health community needs to be mobilized. Training linkages must be made between practicioners , individuals in academia, and local governments.

Jan Alan Hartke, Earthkind International

> The U.S. has an ethical obligation to assist impacted nations, including those with fragile ecosystems, and island countries likely to be impacted by rising sea level. Most of the human health effects resulting from climate change are pediatric diseases (e.g., cholera). The linkage between global warming and biodiversity loss should be kept in mind. The world could be facing another wave of extinctions.

Michael M. Crow, Columbia University:

> We should view ourselves as "planetary managers" and maintain as natural a future path as possible. At the same time it is important to recognize that we are "tool limited" in

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conceptualizing future actions and that we must further develop the tools required to function as effective managers.

Gene Karpinski, U.S. PIRG:

The U.S. must set a global example by playing a leadership role in taking action to address the climate change problem. Early, concrete actions by the government are very important.

Steven Morse, Minnesota State Senator

The federal government must take the lead in defining the global climate change issue. Market signals will be very important in fostering a response. The U.S. should be careful not to lock itself into a modest approach to the problem.

Ruth Galanter, Council Member, City of Los Angeles:

Local government officials need assistance as they respond to the challenges presented by climate change. This includes help with individual programs as well as information that can be provided by interdisciplinary teams. Local officials often receive very fundamental, practical questions such as "What is government doing to protect me.?"

Notetaker: Mark Schaefer, Department of the Interior (This summary was not reviewed by participants.)

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C

Stenburg.Mike @ epamail.epa.gov
10/16/97 04:28:00 PM

Record Type: Record

To: William J. Antholis

cc:
Subject: Region 9 Conference Summary Report: White House Climate Change

LOCATIONS: San Francisco, Los Angeles, Reno, Tucson

NUMBER OF ATTENDEES: 390

1. What were your reactions to the presentations on the current state of science on climate change?

In general, people seemed very impressed by the scientific evidence that generation of anthropogenic greenhouse gases are contributing to increased global warming. The graphics and charts were very clear and the panel speakers were very articulate on issues such as the need for improved modeling and analysis in order to better define the consequences of global warming on both a regional and global scale.

2. What were the key areas of concern for your region?

Global warming could potentially reduce the snow pack which would impact California's agricultural production which depends on snow pack for irrigation. The impact on water supply was also an issue in the Desert Southwest which has an extremely unique and fragile environment with a wide range of ecosystems and threatened species. Other concerns included disease vectors and a wide range of quality of life issues. Our present lifestyle is carbon dependent and we do not fully appreciate the consequences of our current actions. Implementation of global warming action plans will involve significant effort at the local level and therefore local government should be a full partner in shaping the national policies. Reducing greenhouse gases will require more energy efficient technologies in the immediate future and behavior modication in the long term. Increased occurrence of natural disasters that are linked to global warming will have a significant impact on future insurance coverage practices.

3. How can the government and private sector best mobilize broader use of technologies that reduce greenhouse gas emissions ?

Promote the development of affordable and clean solar energy through R&D support and tax incentives. The federal government should consider a carbon tax and funnel a portion of it to R&D on alternative clean energy technologies. In addition, the private sector should take a leadership

position, similar to that of British Petroleum, in seeking new technologies and approaches that will reduce greenhouse gas emissions both at their own facilities and for their consumer products.

4. Describe what your conference identified as the key principles that should guide our international negotiators.

The United States should take a strong leadership position in reducing its greenhouse gas emissions. Try to achieve a commitment from developing nations to limit their emissions. Require specific targets from developing nations but timetables can be flexible. Set up an international mechanism to help developing countries bear the initial costs of being energy efficient. Develop the types of incentives that will create results. The United States should make a greater effort to export clean energy technologies to other parts of the world.

5. Describe the best options that your conference identified to reduce emissions and keep the economy strong.

Build on local assets and conditions. In the case of Tucson, that translates to continued support and promotion of solar energy(e.g., thermal and PV); high technology research and manufacture (e.g., fuel cells and PV); community expertise (e.g., alternative building materials, permaculture) ; and managed sprawl(e.g., sustainable neighborhood design, fleet management, flextime, telecommuting, transportation alternatives). Promote renewables in utility restructuring laws and regulations. Form public private partnerships with utilities, cities, business organizations and the federal government to work with small businesses and local communities on marketing, outreach and delivery mechanisms. Educate the public through conferences like this, encourage letters to editors, sponsor community events, obtain voluntary agreements from industry to decrease their emissions.

6. Other Issues: Feel free to summarize other information that you believe the Administration should consider as it seeks to develop its policy to address climate change.

We need a more holistic approach in our funding and policy decisions vis-a-vis the global warming impacts both at the national and local level. Federal facilities are a major source of greenhouse gas emissions and thus the federal government should take a leadership role in demonstrating emissions reductions to the rest of the country, i.e., walk the talk. Local governments should look at land use and planning policies, urban growth boundaries, transportation, housing and clean fuel fleet vehicles. In addition, part of the problem reflects our cultural and behavior patterns and change will require strong leadership and education.

REGIONAL CONFERENCE SUMMARY REPORT:
WHITE HOUSE CLIMATE CHANGE CONFERENCE

The purpose of today's "White House Conference on Climate Change: The Challenge of Global Warming" is both to educate the American people about this issue and to provide an open dialogue for exchange of ideas on the best U.S. strategy to combat global warming. To ensure that additional good ideas are brought into the policy development process underway in the Administration, it would be helpful if each regional conference would provide a brief report that addresses the following questions:

LOCATION: Carnegie-Mellon University, McConomy Auditorium, Pittsburgh, PA

ATTENDEES*: Approx. 183

1. What were your reactions to the presentation on the current state of science on climate change?

The panel expressed the following: Although the session was most interesting, the questions of how to change our ways is difficult. All agree that something should be done; but the question is how much. We need to look into the future and figure out how we are going to enjoy our lifestyle without damaging the environment. Our main concern is how to sustain a livable world without giving up what we enjoy. We hope the administration is sensitive to our own needs in addition to our childrens'. We recommend that our decision to address Global Climate Change are made with the easy one's first.

2. What were the key areas of concern for your region?

The panel expressed the following: We need to recognize the significant role which fossil fuels play, especially in this region. Aggressive strategies would impose severe hardships on us. West Virginia depends on coal for its economy. West Virginia alone could lose 6,300 jobs and 62% of its gross state product.

3. How can the government and private sector best mobilize broader use of technologies that reduce greenhouse gas emissions?

We need to develop tools to advance goals to use materials in a sustainable way.

4. Describe what your conference identified as the key principles that should guide our international negotiators.

The panel expressed the following: How to best reflect our concern to protect human health and the environment is the question. The level of technology which we are dealing with is important. We need to implement policies which are developed through all department and those in which milestones are set along the way.

5. Describe the best options that your conference identified to reduce emissions and keep the economy strong.

The panel expressed the following: Using energy efficient technologies such as roofing materials, more efficient transportation vehicles, planting more trees, etc., are mechanisms we should look at. Other options like driving smaller cars, adjusting our thermostats are hard choices, the science is not clearly defined. Some type of market-based approach needs to be formed. We need to assure the White House that we feel something needs to be done. We need to educate the public. Let them know why we are talking about these issues. Advise them of the effects that these issues have on our future. We need to "Think Globally - Act Locally." What can we do here in this region? We need to look at the issues in a proactive, innovative way.

6. Other Issues: Feel free to summarize other information that you believe the Administration should consider as it seeks to develop its policy to address climate change.

* Please attach a list of attendees with phone, fax, e-mail and address if they would like to receive a conference report or other information updates.

WHITE HOUSE CONFERENCE ON CLIMATE CHANGE
Carnegie-Mellon University
McConomy Auditorium
October 6, 1997

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Approximately 20 additional individuals attended who did not register.

Approximately 21 individuals attended the WVU site linked into Carnegie-Mellon.

REGIONAL CONFERENCE SUMMARY REPORT:
WHITE HOUSE CLIMATE CHANGE CONFERENCE
EPA, Region III

LOCATION: College of William and Mary, Virginia Institute of Marine Sciences, Gloucester Point, Virginia.

NUMBER OF ATTENDEES: 122

1. What were your reactions to the presentation on the current state of science on climate change?

The first White House panel did an excellent job in making a convincing argument that global warming is a reality. This was re-enforced during the afternoon panel discussions at the Virginia Institute of Marine Sciences.

2. What were the key areas of concern for your region?

Concern was expressed over the potential effects of doubling and quadrupling the amount of CO2 in the atmosphere as discussed during the White House panel presentations. In this Region, coastal flooding and the proliferation of parasites such as Pfiesteria piscicida are a major concern.

3. How can the government and private sector best mobilize broader use of technologies that reduce greenhouse gas emissions?

As was suggested during the White House panel discussion, the government s hould take the lead by investing in energy saving technologies including lights, mo tors, cars, etc. In addition, the government should provide a market b ased in centive by procuring goods and services from organizations that also invest in such technologies. With de-regulation of utilities on the horizon, the government should buy electricity from utilities that have invested in renewable energy, and that incorporate energy efficient, supply side management practices into their operations. Finally, the government should offer tax relief incentives for corporations to invest inenergy efficient technologies.

4. Describe what your conference identified as the key principles that should guide our international negotiators.

All countries both developing and developed must be brought into the global warming strategy and contribute to the reduction of greenhouse gas emissions, otherwise developing countries have the potential to swamp the planet in greenhouse gases despite the best reduction efforts of developed countries. Certain methodologies to reduce greenhouse gas emissions such as conserving energy and better agricultural practices can present an advantage to a developing company, and should be presented to them as such. In addition, developing countries should reap the economic opportunities associated with new global warming technologies. A significant share of the jobs, manufacturing and marketing of these technologies should be located in the

developing countries.

One of the panelists, Dr. Joel Levin, gave a presentation on the significant effect that global biomass burning has on global warming via release of CO2, especially in Asia and Africa. Efforts to control and reduce such burning could be one of the initiatives discussed in Kyoto, Japan.

5. Describe the best options that your conference identified to reduce emissions and keep the economy strong.

The best option that presents a win-win situation for everyone is to improve energy efficiency. Not only will that reduce greenhouse gas emissions, it also reduces many other pollutants and saves money. If utilities need to generate 300 watts of electricity to light one 100 watt light bulb, and if prototype cars have been built that get 300 miles to the gallon, then there is a lot of room for improvement in the development and deployment of energy conservation technologies.

6. Other issues

There was some concern expressed that the models used to predict global warming under different scenarios need additional improvement, and not all the influencing factors; e.g., clouds, water vapor changes in the atmosphere, aerosols, the role of the ocean, biomass burning, etc. have been adequately addressed in the modeling efforts to date. The government needs to invest more in the modeling capabilities for global warming.

Several panelists thanked the federal government for making funds available for some of their research related to global warming, and expressed their desire to have this funding continue.

Comments, questions concerning this report should be directed to Bruce P. Smith, EPA Region III (215-566-2054), smith.brucep@epamail.epa.gov.