

# 1980 Services to Congress

## Communications With Congress

### *Testimony*

- House Committee on Science and Technology: National Academy of Sciences Report: Energy in Transition, 1985-2010.
- House Committee on Science and Technology, Subcommittee on Transportation, Aviation and Communications: Management and Financing Options for Advanced Air Transport.
- House Committee on Appropriations, Subcommittee on Legislative Branch: OTA Fiscal Year 1981 Appropriations Request.
- Senate Committee on Appropriations, Subcommittee on Legislative Branch: OTA Fiscal Year 1981 Appropriations Request.
- Senate Committee on Governmental Affairs, Subcommittee on Energy, Nuclear Proliferation and Federal Services: S. 1699, The Energy Impacts Assistance Act of 1979.
- House Committee on Science and Technology, Subcommittee on Energy Development and Applications: H.R. 6638, The Municipal Waste-to-Energy Act of 1980.
- House Committee on Interstate and Foreign Commerce, Subcommittee on Health and the Environment: Health Professions Educational Assistance Act of 1976.
- Senate Committee on Veterans' Affairs: Veterans Administration Agent Orange Study,
- Senate Committee on Commerce, Science, and Transportation; Subcommittee on Science, Technology, and Space: S. 2015, Transportation Energy Efficiency Act.
- House Committee on Science and Technology: H.R. 7178, The R&D Authorization Estimates Act.
- House Committee on Science and Technology, jointly with House Committee on Interstate and Foreign Commerce and International Trade Subcommittee on the House Committee on Banking, Finance, and Urban Affairs: Technology and East-West Trade.
- Committee on Interstate and Foreign Commerce, Subcommittee on Health and the Environment: Drugs in Animal Feed.
- Senate Committee on Commerce, Science, and Transportation: Subcommittee on Science, Technology, and Space: Oversight hearings on the implementation of the Science and Technology, Policy, Organization and Priorities Act of 1976 and the Operation of the Office of Science and Technology Policy.
- House Committee on Science and Technology, Subcommittee on Energy Development and Applications: Cogeneration.
- House Committee on Interstate and Foreign Commerce, Subcommittee on Energy and Power: Methanol Fuel.
- Senate Committee on Environment and Public Works: Steel Industry.
- Senate Committee on Budget, Subcommittee on Industrial Growth and Productivity: Steel Industry.

### *Director's Congressional Appointments*

- The Hon. Melvin Price, Chairman, House Committee on Armed Services.
- The Hon. Jennings Randolph, Chairman, Senate Committee on Environment and Public Works.
- The Hon. James M. Hanley, Chairman, House Committee on Post Office and Civil Service.
- The Hon. Harley O. Staggers, Chairman, House Committee on Interstate and Foreign Commerce.
- The Hon. Harold T. Johnson, Chairman, House Committee on Public Works and Transportation.
- The Hon. Henry S. Reuss, Chairman, House Committee on Banking, Finance and Urban Affairs.
- The Hon. Robert N. Giaimo, Chairman, House Committee on the Budget.
- Richard A. Wegman, chief counsel and staff director, Senate Committee on Governmental Affairs.
- The Hon. Claiborne Pen, Chairman, Senate Committee on Rules and Administration.
- The Hon. Adam Benjamin, Jr., Chairman, Subcommittee on Legislative Branch, House Committee on Appropriations.
- The Hon. Carl D. Perkins, Chairman, House Committee on Education and Labor.
- Letitia Chambers, staff assistant to Sen. Harrison A. Williams, Chairman, Senate Committee on Labor and Human Resources.
- Jonathan W. Fleming, legislative assistant for Sen. Alan D. Cranston, Chairman, Senate Committee on Veterans' Affairs.
- Joan Drummond, staff assistant to Sen. Robert C. Byrd, Senate Majority Leader.
- The Hon. Herman E. Talmadge, Chairman, Senate Committee on Agriculture, Nutrition, and Forestry,

- The Hon. Edward J. Derwinski, Ranking Minority Member, House Committee on the Post Office and Civil Service.
- The Hon. Robert T. Stafford, Ranking Minority Member, Senate Committee on Environment and Public Works.
- The Hon. Robert Wilson, Ranking Minority Member, House Committee on Armed Services.
- The Hon. Donald H. Clausen, Ranking Minority Member, House Committee on Interior and Insular Affairs.
- The Hon. J. William Stanton, Ranking Minority Member, House Committee on Banking, Finance, and Urban Affairs.
- The Hon. Howard W. Cannon, Chairman, Senate Committee on Commerce, Science, and Transportation.
- Minority Chief Counsel, Senate Committee on the Judiciary.
- The Hon. John J. Rhodes, Minority Leader, U.S. House of Representatives.
- The Hon. Albert Gore, Jr., U.S. House of Representatives.
- The Hon. Alan Cranston, U.S. Senate.
- Staff Director, Senate Committee on Finance.
- Staff Director and Counsel, Subcommittee on Energy and Power, House Committee on Interstate and Foreign Commerce.
- Staff Director, Subcommittee on Energy Development and Applications. House Committee on Science and Technology.
- The Hon. Ted Stevens, U.S. Senate.
- The Hon. Morris K. Udall, U.S. House of Representatives.
- The Hon. John Wydler, U.S. House of Representatives.
- The Hon. Larry Winn, Jr., U.S. House of Representatives.
- The Hon. Edward M. Kennedy, U.S. Senate.
- The Hon. Joseph L. Fisher, U.S. House of Representatives.

### Responses to Congressional Inquiries

OTA regularly receives inquiries from congressional offices concerning issues which are the subject of ongoing or recently completed assessments. Responses to such inquiries are provided both orally or in brief written communications.

Cong. Don Fuqua Technological issues of the 1980's (other than energy or military)

Cong. Bill Green . Energy advantages of high-density urban areas

Sen. Birch Bayh Ohio River Basin energy study  
Sen Howard

Metzenbaum ., Low head hydro

Congressmen Edward

Markey and Joseph

F i s h e r

Cong. Paul Simon

Cogeneration

Introduction of methanol as a transportation fuel

Sen. Thomas Eagleton

Conservation and Solar Energy Programs of the Department of Energy

Cong. Mike McCormack

Energy demand

Sen. Jacob Javits . . . .

Electric power transmission costs

Cong. Leon Panetta

Breeder reactor schedule

Cong. Morris Udall

Coal

Cong Robert McClory

Wood energy

Cong. Bill Green .,

Energy conservation in cities

Cong, Jerry Huckaby

Nuclear powerplant

standardization

Cong. Henry Reuss

Energy and the cities

Cong. Charles Vanik

Technology and steel industry competitiveness

Congressmen Harley

Staggers, John

Dingell, Bob Eckhardt,

and James Florio

Hazardous waste

Sen. John Glenn

Calderon process

Cong, John Dingell .,

Mandated study on toxic substances, DOE studies of ethanol/methanol toxicity

Sen. Herman Talmadge

Chiropractic in New Zealand, Report of the Commission of inquiry

Sen. Alan Cranston . .

Five Epidemiologic Studies about herbicides and cancer incidence, photovoltaic costs, relative safety features of fission and fusion, agent orange

Senators John Melcher,

Max Baucus, and

Cong. Ron Marlenee

Study of saline seeps—their causes, consequences, and correction—in the Fort Benton - Highwood Bench region of Montana

Sen. Spark Matsunaga .

Tropical/subtropical nutrition research

Sen. Daniel Inouye.

Ocean thermal energy conversion

Cong. Berkley Bedell

CO, problem, oil and gas reserves controlling ethanol imports

Cong. George E.

B r o w n , J r

Results of the public participation and Three Mile Island conference, regulating chemicals, health, hazardous waste assessment

Sen. Charles Percy. . .

Present storage capacity problem at nuclear reactors

Cong Tom Evans	Skills needed in future technicians
Cong Don Fuqua	Moon Treaty
Sen George McGovern	The effects of nuclear war
Cong Patricia S c h r o e d e r	Oil shale
Cong. Ronnie Flippo	Solar power satellites
Cong. Robert McClory	Kemeny report
Cong. Anthony Toby M o f f e t t	Propane/natural gas
Cong. James Blanc ard	Biomass and oil shale
Cong Christopher D o d d	Coal transmission
Cong. Ted Weiss ,.	Coal slurry pipeline, cost-effectiveness study
Cong. Cecil Heftel	Mechanical cogeneration
Cong, James Sensenbrenner	Coal slurry pipeline
Cong Jack Kemp	Coal slurry pipeline
Sen. Paul E. Tsongas	International solar work, Massachusetts utilities
Sen Howard M e t z e n b a u m	Synfuels processes and direct hydrogenation
Cong Sam Gibbons	Steel Industry competitiveness
Sen. Lowell P Weicker, J r	Psychotherapy case study advisory panel
Cong Robert W Daws	Medical technologies: tough decisions for the hospital trustee
Cong Carlos J M o o r h e a d	WARC 1979 study and air traffic control-collision avoidance
Cong. Robert Duncan	Air traffic control-collision avoidance
Cong Robert A, Young	Air traffic control -collision avoidance
Cong Nicholas M a v r o u l e s	Plant Varieties Act, HR. 999
Cong George E B r o w n , J r ,	Regulating chemicals, health Many inquiries regarding the psychotherapy background report and the periodontal disease case study
Sen. Bill Bradley.	Cogeneration, dispersed electricity
Sen Paul Tsongas	Massachusetts utilities
Cong Charles E G r a s s l e y	Gasohol prices
Cong Bill Frenzel	Conservation marketing
Sen Edward NI Kennedy ,.	Review of JEC report
Cong. Caldwell Butler	Gasohol's energy balance
Cong Thomas S Foley	Agriculture water use

### Briefings, Presentations, Workshops for Congressional Staff

<i>Committee</i>	<i>Topic</i>
SENATE:	
Appropriations	NSF work in population Ocean drilling National Oceanic Satellite Taggants Agent orange NSF/NASA appropriations
Armed Services . .	Hospital information systems
Banking, Housing & Urban Affairs	Residential energy conservation ITC study of international trade in integrated circuits Administration embargo of high technology exports to the U.S.S. R. Electronic funds transfer assessment
Budget . . . . .	Economic growth and productivity Productivity hearings
Commerce, Science & Transportation	Steel and electronics studies OTA space study Moon Treaty Proposed study on airports and air traffic control WARC 1979 Industrial competitiveness COMSAT/INMARSAT Tanker accidents Proposed legislation to modify Communications Act of 1934 Wind machines Automotive development-GM, Ford, and Chrysler Draft of technology and oceanographic report
Energy & Natural Resources	Biomass for S. 923 conference DOE C&SE study Oil shale report Ocean thermal energy conversion Coal leasing assessment Utah task force results Technology and Soviet energy availability y
Environment & Public Works	Land Productivity Analysis of spent fuel storage

	Away-from-reactor siting question, disposal problems	Appropriations	Technology and world population
	S. 1480-Environmental Emergency Response Act		FAA's discrete address beacon system (DABS)
	International Wildlife Resource Conservation Act of 1980		Future of electric vehicles
	Acid rain		An evaluation of the Cooperative Automotive Research Program (CARP)
F i n a n c e	Evaluation of chiropractors		Proposed study on air traffic and air traffic control
	Liquefied natural gas		Agent orange
	The value of pneumococcal vaccine		Taggants
	Psychotherapy case study		Cost effectiveness and PSROs
	Colonial Virginia Foundation for Medical Care	Banking, Finance & (Urban Affairs)	Transportation and the evolution of cities
Foreign Relations	Cost-effectiveness study	B u d g e t	Financial incentives of oil shale development
	Soviet energy		Technology and world population
	Technology and world population	Education & Labor	Information technology and education
	Relationship of OTA population assessment and Foreign Relations Committee population study	Foreign Affairs	U.S trade policy: technology transfer
	Subcommittee staff report on international population programs		Tropical deforestation
Governmental Affairs	Taggants (including attendance at markup session at committee request)	Intelligence	Acid rain
	Office of Strategic Technology		Nuclear role in satisfying future electricity demand
	Energy technologies and oil supply disruptions	Interior & Insular Affairs	Oil shale
Judiciary	NCIC report		MX missile basing
	Patent study		Minerals policy, nonfuels minerals
Labor and Human Resources	Cost-effectiveness study		Ground water models
	Physician supply and requirements		Management & disposal of nuclear waste, away-from-reactor siting
	Past OTA work		Freshwater resource study
	Patent study		<b>Agricultural</b> water use assessment
Rules & Administration	Congressional computer and graphics capabilities and possible use for population presentations	Interstate & Foreign Commerce	DOE authorization hearings
S m a l l B u s i n e s s	Generic drugs		Eliminating the deductible requirement in medicare's reimbursement policies for blood donations
	Acid rain		Use of the nonreplacement fee in blood banking
Steel Caucus	Steel Industry competitiveness		Payment for vaccines under medicare
Veterans' Affairs	Health effects of agent orange		Physician supply and requirements
	Expected mortality for a population the size and age distribution of Vietnam		Drugs in Livestock feed report
	Theater Veterans, 1970-79		OTA studies on benefits and costs of medical technologies
	Ingestion and inhalation of radioactivity at Utah A-bomb tests		Cancer risks
HOUSE:			Environmental contaminants in food
A g r i c u l t u r e	Gasohol		Drugs exports to developing countries
	Biomass for S 932 Conference		
	Agricultural water use		
	U S food and agricultural research study		

	Auto fuel economy improvements		Availability of premium quality
	WARC 1979		Federal coal-oil backout legisla - tion
	Auto assistance and automobile industry measures		Genetics study
	Prescription drug use, evaluation & exportation		Space study
	Compensation for damage from hazardous substances		information policy
	Transportation of radioactive waste		Renewable resources technology
	COMSAT/ IN MARSAT	Small Business	Technological issues of the 1980's
	Cost-effectiveness analysis, risk assessment	Steel Caucus	Major issues in Health Program
	National Library of Medicine	Joint Committee on	Patent study
	Methyl fuels	Taxation	NCIC CCH study
	Dispersed electric study, PURPA & FUA	Veterans' Affairs	Steel industry competitiveness
	Fate of used oil and possibility for recycling		Biomass
	Hazardous waste management		Agent orange
	Oil refining as it applies to haz- ardous waste regulations	Ways and Means	Quality of research regarding ex posure of U S servicemen to residual radiation in Nagasaki and Hiroshima
	Hazardous waste legislation		Federal vaccine and immunization policies
	Pneumococcal vaccine		Japanese industrial quality and management
	Use of information technology and application		Steel Industry
	Service and maintenance of automotive electronics		Assessment and reimbursement of drugs and other medical technologies
J u d i c i a r y . .	NCIC report		
	Patent study		
Merchant Marine and			
F i s h e r i e s	Military surveillance systems		
Narcotics & Abuse			
C o n t r o l	Substitute crops for opium in developing countries		
Public Works & Transportation	Issues in radiation control		
	Airport and air traffic control		
	Aircraft cabin safety		
	Aircraft occupant restraints		
Science & Technology	DOE conservation and solar energy study		
	Telecommunications and the in formation system studies		
	Impact of WARC 1979 Con ference		
	Information technologies and education		
	Conservation and small power production after PURPA		
	Cancer report		
	Ocean thermal energy conver- sion		
	Impact of inflation on the Federal R&D investment		
	Coordination of activities In in- formation policy technology		

### *Interactions With Other Congressional Support Agencies*

<i>Agency</i>	<i>Topic</i>
CBO ... .	Reviewed the changing energy problem
	Costs of vaccines project being carried out by CBO
	OTA's cost-effectiveness analysis of pneumococcal vaccine
	The implications of cost-effectiveness analysis of medical technologies
	Nuclear waste disposal funding
	Transportation/energy projects
	MX missile basing costs
	Economics chapter of oil shale assess- ment
	Medical technology and the handi- capped
	Oil shale costs
	Review of bill to modify the Com- munications Act of 1934
CRS . . . . .	Biomass and analysis of wood policy issues
	Seminar on innovation

Exportation of drugs produced in the United States  
 Genetics report prepared by CRS  
 World Administration Radio Conference (WARC) 1979  
 Moon Treaty Workshop  
 Retrofit of oil/gas boilers for wood  
 Total energy systems, cogeneration, photovoltaic/ thermal cogeneration  
 Soviet energy  
 Research regarding Soviet technology  
 European views of East-West trade  
 Coal leasing assessment  
 Ocean research technology  
 Status and plans for NCIC study  
 NIS study -transborder data flow study by CRS  
 Information policy  
 East European energy  
 East-West technology transfer  
 Critical technologies  
 1980 Henniker Conference on technological innovation in the basic materials industries  
 Handicapped technologies  
 Population  
 Multinational corporations and tropical deforestation  
 Computer modeling for congressional staff  
 Exploration of support options for space study  
 WARC 1979 Study  
 Cogeneration /district heat  
 Petroleum refineries  
 Inflation in food prices and indirect cost of gasohol production  
 Dispersed electric energy generation systems  
 Energy and Soviet foreign policy  
 Washington Environment Development Group  
 Medical technology and the handicapped  
 Security chapter of electronic funds transfer systems  
 Information and communication technologies  
 Coal export  
 Space policy and applications

GAO . . Dispersed electric energy generation systems  
 Technology and Society energy availability

Agriculture and nutrition  
 Medical technology and the handicapped  
 Department of Justice Management Information Systems  
 NSF research ship management  
 Outer Continental Shelf leasing  
 NASA remote sensing and satellite communications programs  
 Air navigation systems  
 Analysis of the DOE Conservation and Solar Energy Programs  
 Germplasm maintenance  
 Professional Standards Review Organizations (PSROs)  
 Proposed GAO study of the Delaney amendment to food and drug laws  
 2,4,5-T: A component of agent orange  
 Ocean margin drilling program  
 Coordination of telecommunication and information systems  
 ANFLOW process  
 Energy analysis, data, models  
 Energy and cities  
 Decentralized electric power  
 MX missile basing  
 Oil shale  
 Hazardous waste  
 Agricultural research  
 Land productivity  
 Germplasm maintenance  
 OCS oil and gas  
 Post- 1985 automobile fuel-economy standards  
 Budgetary implications of NAVSTAR global positioning satellite (GPS)  
 Gasohol  
 Bureau of Mines -synfuels plants in the 1950's  
 Energy analysis for synfuels  
 Global domestic energy consumption  
 MX missile basing  
 Coal leasing and regulation of mining activities  
 Briefing to AAAS science and engineering fellows  
 Coordination of health area projects  
 USMC personnel exposed to agent orange in Vietnam  
 Cost effectiveness study  
 Nutritional assessment research presently funded by NIH  
 Assessment on food and agricultural research

WARC 1979 study	CBO-CRS-
Patent study	GAO . . . . .
Airport and air traffic control systems	Coordination of various energy
CRS-GAO . . . Uniform tire quality standards	activities within each agency
	International affairs
	Food and renewable resources